Tencent Cloud Observability Platform

Tencent Cloud Service Metrics

Product Documentation

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- CCN Monitoring Metrics
- Peering Connection Monitoring Metrics
- Bandwidth Packet Monitoring Metrics
- EIP Monitoring Metrics
- Anycast EIP Monitoring Metrics
- Network Detection Monitoring Metrics

CLB
- Public Network CLB
- Private Network CLB
- Layer-7 Protocol

COS

CFS

CPM
- Monitoring Metrics of CPM 1.0
- Monitoring Metrics of a BM EIP
- Monitoring Metrics of a BM Peering Connection
- Monitoring Metrics of a BM Private Network CLB Instance
- Monitoring Metrics of a BM Public Network CLB Instance

ECM
- Computation and Networking
- Layer-4 CLB

EMR
- EMR (HDFS)
- EMR (HBase)
- EMR (Hive)
- EMR (Node)
- EMR (Presto)
- EMR (Spark)
- EMR (YARN)
- EMR (ZooKeeper)
- EMR (Kudu)
- EMR (Impala)

CDN
- Province
- Chinese Mainland Domain
- Overseas Domain

Direct Connect
- Dedicated Tunnel Monitoring Metrics

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- Connection Monitoring Metrics
- TKE
  - Pod
  - Workload
  - Cluster
  - Cluster Component
  - Node
  - Container
- GAAP
  - GAAP Origin Server Health Monitoring Metrics
  - GAAP Channel Load Monitoring Metrics
- CMQ
  - Topic Subscription Monitoring Metrics
  - Queue Service Monitoring Metrics
- API Gateway
- Elasticsearch
- WAF
- CLS

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Tencent Cloud Service Metrics
CVM

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Namespace

Namespace=QCE/CVM

Monitoring Metrics

CPU monitoring

Parameter	Metric	Description	Unit	Dimension	Statistical Period
CPUUsage	CPU utilization	Percentage of CPU used in real time during machine operation	%	InstanceId	10s, 60s, 300s, 3600s, 86400s
CpuLoadavg	1-minute CPU load	Average number of tasks that are using and waiting to use the CPU in one minute (this metric is unavailable on Windows)	-	InstanceId	10s, 60s, 300s, 3600s, 86400s
Cpuloadavg5m	5-minute CPU load	Average number of tasks that are using and waiting to use the CPU in five minutes (this metric is unavailable on Windows)	-	InstanceId	60s, 300s, 3600s
Cpuloadavg15m	15-minute CPU load	Average number of tasks that are using and waiting to use the CPU in 15 minutes (this metric is unavailable on Windows)	-	InstanceId	60s, 300s, 3600s

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Parameter	Metric	Description	Unit	Dimension	Statistical Period
BaseCpuUsage	Basic CPU utilization	The basic CPU utilization is collected and reported through the host, and the data can be viewed without the installation of the monitoring component. The data can still be continuously collected and reported even when the load of the CVM is high	%	InstanceId	10s, 60s, 300s, 3600s, 86400s

GPU monitoring

Parameter	Metric	Description	Unit	Dimension	Statistical Period
GpuMemTotal	Total GPU memory	Total GPU memory	MB	InstanceId	10s, 60s, 300s, 3600s, 86400s
GpuMemUsage	GPU memory utilization	GPU memory utilization	%	InstanceId	10s, 60s, 300s, 3600s, 86400s
GpuMemUsed	GPU memory usage	Evaluates the GPU memory used by the load	MB	InstanceId	10s, 60s, 300s, 3600s, 86400s
GpuPowDraw	GPU power usage	GPU power usage	W	InstanceId	10s, 60s, 300s, 3600s, 86400s
GpuPowLimit	Total GPU power consumption	Total GPU power consumption	W	InstanceId	10s, 60s, 300s, 3600s, 86400s
GpuPowUsage	GPU power utilization	GPU power utilization	%	InstanceId	10s, 60s, 300s, 3600s, 86400s

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Parameter	Metric	Description	Unit	Dimension	Statistical Period
GpuTemp	GPU temperature	Evaluates the GPU heat dissipation status	°C	InstanceId	10s, 60s, 300s, 3600s, 86400s
GpuUtil	GPU utilization	Evaluates the computing power consumed by the load, which is the percentage of non-idle state	%	InstanceId	10s, 60s, 300s, 3600s, 86400s

Network monitoring

Parameter	Metric	Description	Unit	Dimension	Statistical Period
LanOuttraffic	Private outbound bandwidth	Average outbound traffic of the private ENI per second	Mbps	InstanceId	10s, 60s, 300s, 3600s, 86400s
LanIntraffic	Private inbound bandwidth	Average inbound traffic of the private ENI per second	Mbps	InstanceId	10s, 60s, 300s, 3600s, 86400s
LanOutpkg	Private outbound packets	Average number of outbound packets of the private ENI per second	Count/s	InstanceId	10s, 60s, 300s, 3600s, 86400s
LanInpkg	Private inbound packets	Average number of inbound packets of the private ENI per second	Count/s	InstanceId	10s, 60s, 300s, 3600s, 86400s

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Parameter	Metric	Description	Unit	Dimension	Statistical Period
WanOuttraffic	Public outbound bandwidth	Average outbound traffic rate over the public network per second. The value at the minimum granularity is calculated by 10-second total traffic/10 seconds. This value is the sum of public network outbound/inbound bandwidth of EIP, CLB, and CVM	Mbps	InstanceId	10s, 60s, 300s, 3600s, 86400s
WanIntraffic	Public inbound bandwidth	Average inbound traffic rate over the public network per second. The value at the minimum granularity is 10-second total traffic divided by 10 seconds. This value is the sum of public network outbound/inbound bandwidth of EIP, CLB, and CVM	Mbps	InstanceId	10s, 60s, 300s, 3600s, 86400s
WanOutpkg	Public outbound packets	Average number of outbound packets of the public ENI per second	Count/s	InstanceId	10s, 60s, 300s, 3600s, 86400s
WanInpkg	Public inbound packets	Average number of inbound packets of the public ENI per second	Count/s	InstanceId	10s, 60s, 300s, 3600s, 86400s
AccOuttraffic	Public outbound traffic	Average outbound traffic of the public ENI per second	MB	InstanceId	10s, 60s, 300s, 3600s, 86400s
TcpCurrEstab	TCP connections	Number of TCP connections in `ESTABLISHED` status	-	InstanceId	10s, 60s, 300s, 3600s, 86400s
TimeOffset	Difference between server UTC time and NTP time	Difference between server UTC time and NTP time	s	InstanceId	60s, 300s, 3600s

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Memory monitoring

Parameter	Metric	Description	Unit	Dimension	Statistical Period
MemUsed	Memory usage	The amount of memory used by the user, excluding caches and buffers, which is total memory minus available memory (including buffers and caches)	MB	InstanceId	10s, 60s, 300s, 3600s, 86400s
MemUsage	Memory utilization	Ratio of the used memory (excluding caches, buffers, and the remaining memory) to the total memory	%	InstanceId	10s, 60s, 300s, 3600s, 86400s

Disk monitoring

Parameter	Metric	Description	Unit	Dimension	Statistical Period
CvmDiskUsage	Disk utilization	Percentage of the used capacity of all disks to the total capacity	%	InstanceId	60s, 300s

Note：

1. Basic metric data (such as CPU and memory) and alarm time (local time of your CVM instance) can be obtained only after the CVM monitoring component Agent as described in Installing CVM Agents is installed. If the local time of you CVM instance is not UTC/GMT+08:00, the time of the monitoring data of the instance will not be the local time (UTC/GMT+08:00) of the instance.
2. Ways of installing Agent:

- Select Tencent Cloud Observability Platform when purchasing a CVM instance to automatically install Agent.
- Manually install the Agent as instructed in Installing CVM Agents.

3. The statistical granularity (`period`) may vary by metric. You can call the DescribeBaseMetrics API to obtain the `period` supported by each metric.

Dimensions and Parameters

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Parameter	Dimension	Description	Format
Instances.N.Dimensions.0.Name	InstanceId	Dimension name of the CVM instance ID	Enter a string-type dimension name, such as `InstanceId`
Instances.N.Dimensions.0.Value	InstanceId	Specific CVM instance ID	Enter a specific instance ID, such as `ins-mm8bs222`

Input Parameters

To query the monitoring data of a CVM instance, use the following input parameters:

&Namespace=QCE/CVM

&Instances.N.Dimensions.0.Name=InstanceId

&Instances.N.Dimensions.0.Value=Specific CVM instance ID

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CBS

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Namespace

Namespace=QCE/BLOCK_STORAGE

Monitoring Metrics

Parameter	Metric	Description	Unit	Dimension	Statistical Period
DiskReadTraffic	Disk read traffic	Disk read traffic per second	KB/s	diskId	60s, 300s, 3600s, 86400s
DiskWriteTraffic	Disk write traffic	Disk write traffic per second	KB/s	diskId	60s, 300s, 3600s, 86400s
DiskReadIops	Disk read IOPS	Number of disk reads per second	-	diskId	10s, 60s, 300s, 3600s, 86400s
DiskWriteIops	Disk write IOPS	Number of disk writes per second	-	diskId	10s, 60s, 300s, 3600s, 86400s
DiskAwait	Disk IO wait time	Disk IO wait time	ms	diskId	10s, 60s, 300s, 3600s, 86400s
DiskSvctm	Disk IO service time	Disk IO service time	ms	diskId	10s, 60s, 300s, 3600s, 86400s
DiskUtil	Disk IO	Disk IO utilization	%	diskId	10s, 60s,

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	utilization				300s, 3600s, 86400s
DiskUsage	Disk utilization	Disk utilization	%	InstanceId	60s, 300s, 3600s, 86400s

Note：

The statistical granularity (`period`) may vary by metric. The DescribeBaseMetrics API can be used to get the `period` values supported by each metric.

Overview of Parameters in Each Dimension

Parameter	Dimension	Dimension Description	Format
Instances.N.Dimensions.0.Name	diskId	Cloud disk ID dimension name	Enter a String-type dimension name: diskId
Instances.N.Dimensions.0.Value	diskId	Specific cloud disk ID	Enter a specific cloud disk ID, such as `disk-test`
Instances.N.Dimensions.0.Name	InstanceId	Disk partition instance ID dimension name	Enter a String-type dimension name: InstanceId
Instances.N.Dimensions.0.Value	InstanceId	Specific disk partition instance ID	Enter a specific instance ID, such as `ins-mm8bs222`

Input Parameter Description

CBS monitoring data can be queried based on the following two combinations of dimensions. The values for input parameters are as follows:

1. To query the monitoring data of a cloud disk, use the following input parameters:

&Namespace=QCE/BLOCK_STORAGE
&Instances.N.Dimensions.0.Name=diskId
&Instances.N.Dimensions.0.Value=Cloud disk ID

2. To query the disk partition utilization of a server, use the following input parameters:

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&Namespace=QCE/BLOCK_STORAGE

&Instances.N.Dimensions.0.Name=InstanceId

&Instances.N.Dimensions.0.Value=Specific disk partition instance ID

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TencentDB
TencentDB for SQL Server Monitoring Metrics

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Namespace

Namespace=QCE/SQLSERVER

Monitoring Metrics

Common metrics

Parameter	Metric Name	Description	Unit	Dimension
Cpu	CPU utilization	Percentage of instance CPU usage	%	resourceId
Transactions	Number of transactions	Average number of transactions per second	Times/sec	resourceId
Connections	Number of connections	Average number of databases connected by users per second	Count	resourceId
Requests	Number of requests	Number of requests per second	Times/sec	resourceId
Logins	Number of logins	Number of logins per second	Times/sec	resourceId
Logouts	Number of logouts	Number of logouts per second	Times/sec	resourceId
Storage	Used storage	Sum of storage space consumed by instance database files and log files	GB	resourceId
InFlow	Inbound traffic	Sum of inbound packet sizes for all connections	KB/s	resourceId
OutFlow	Outbound traffic	Sum of outbound packet sizes for all connections	KB/s	resourceId
Iops	Disk IOPS	Disk read/write operations per second	Times/sec	resourceId

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Parameter	Metric Name	Description	Unit	Dimension
DiskReads	Number of disk reads	Number of disk reads per second	Times/sec	resourceId
DiskWrites	Number of disk writes	Number of disk writes per second	Times/sec	resourceId
ServerMemory	Memory usage	Actual memory usage	MB	resourceId

Performance optimization metrics

Parameter	Metric Name	Description	Unit	Dimension
SlowQueries	Slow queries	Number of slow queries with a running time greater than one second	Count	resourceId
BlockedProcesses	Number of blocked processes	Number of currently blocked processes	Count	resourceId
LockedRequests	Number of lock requests	Average number of lock requests per second	Times/sec	resourceId
UserErrors	Number of user errors	Average number of user errors per second	Times/sec	resourceId
SqlCompilations	Number of SQL compilations	Average number of SQL compilations per second	Times/sec	resourceId
SqlRecompilations	Number of SQL recompilations	Average number of SQL recompilations per second	Times/sec	resourceId
FullScans	Number of full-table scans for SQL per second	Number of full scans without limitations per second	Times/sec	resourceId
BufferCacheHitRatio	Buffer cache hit rate	Data cache (memory) hit rate	%	resourceId
LatchWaits	Number of latch waits	Number of latch waits per second	Times/sec	resourceId
LockWaits	Average latency on a lock wait	Average wait time of each lock request resulting in lock wait	ms	resourceId
NetworkIoWaits	I/O wait time	Average network I/O wait time	ms	resourceId

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Parameter	Metric Name	Description	Unit	Dimension
PlanCacheHitRatio	Plan cache hit rate	The hit rate of a plan. Each SQL statement has a plan with a hit rate	%	resourceId
FreeStorage	Residual capacity of the hard disk	Percentage of the residual capacity of the hard disk	%	resourceId

Note：
The statistical granularity (`period`) may vary by metric. The DescribeBaseMetrics API can be used to obtain the `period` supported by each metric.

Overview of the Parameters in Each Dimension

Parameter Name	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.0.Name	resourceId	Dimension name of the instance resource ID	Enter a string-type dimension name, such as resourceId
Instances.N.Dimensions.0.Value	resourceId	A specific instance resource ID	Enter a specific instance resource ID, such as mssql-dh0123456

Input Parameters

To query the monitoring data of TencentDB for SQL Server, use the following input parameters:
&Namespace=QCE/SQLSERVER
&Instances.N.Dimensions.0.Name=resourceId
&Instances.N.Dimensions.0.Value=

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TencentDB for MySQL Monitoring Metrics

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Namespace

Namespace=QCE/CDB

Monitoring Metrics

Resources

Parameter	Metric Name	Description	Unit	Dimension	Statistical Period
BytesReceived	Private network inbound traffic	Number of bytes received per second	B/sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s
BytesSent	Private network outbound traffic	Number of bytes sent per second	B/sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s
Capacity	Disk usage	Including the space taken up by the MySQL data directory and logs (binlog, relaylog, undolog, errorlog, and slowlog)	MB	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s
CPUUseRate	CPU usage	If overuse of idle resources is permitted, the CPU utilization may exceed 100%.	%	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s
IOPS	Input/output operations per second	Input and output operations (or number of reads/writes) per second	Times/sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s

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Parameter	Metric Name	Description	Unit	Dimension	Statistical Period
MemoryUse	Memory usage	If overuse of idle resources is permitted, the memory utilization may exceed 100%.	MB	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s
MemoryUseRate	Memory utilization	If overuse of idle resources is permitted, the memory utilization may exceed 100%.	%	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s
RealCapacity	Data usage	The space taken up by the MySQL data directory, excluding that by logs (binlog, relaylog, undolog, errorlog, or slowlog)	MB	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s
VolumeRate	Disk utilization	Used disk space / purchased instance space	%	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s

Engine (general) - MyISAM

Parameter	Metric Name	Description	Unit	Dimension	Statistical Period
KeyCacheHitRate	MyISAM cache hit rate	Cache hit rate of the MyISAM engine	%	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s
KeyCacheUseRate	MyISAM cache utilization	Cache utilization of the MyISAM engine	%	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s

Engine (general) - InnoDB

Parameter	Metric Name	Description	Unit	Dimension	Statistical Period

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Parameter	Metric Name	Description	Unit	Dimension	Statistical Period
InnodbCacheHitRate	InnoDB cache hit rate	Cache hit ratio of the InnoDB engine	%	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s
InnodbCacheUseRate	InnoDB cache utilization	Cache utilization of the InnoDB engine	%	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s
InnodbNumOpenFiles	Number of tables opened in the InnoDB engine currently	Number of tables opened in the InnoDB engine currently	Table(s)	InstanceId and InstanceType (optional)	5s、60s、300s、3600s
InnodbOsFileReads	Number of InnoDB disk reads	Number of times disk files are read per second by the InnoDB engine	Times/sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s
InnodbOsFileWrites	Number of InnoDB disk writes	Number of times disk files are written per second by the InnoDB engine	Times/sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s
InnodbOsFsyncs	Number of fsync calls by InnoDB	Number of times the fsync function is called per second by the InnoDB engine	Times/sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s

Engine (general) - connection

Parameter	Metric Name	Description	Unit	Dimension	Stati Peric
ConnectionUseRate	Connection utilization	Number of current connections/maximum number of connections allowed	%	InstanceId, InstanceType (optional)	5s, 6 300s 3,60

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Parameter	Metric Name	Description	Unit	Dimension	Stati Peric
MaxConnections	Maximum number of connections	Maximum number of connections allowed	Connection(s)	InstanceId, InstanceType (optional)	5s, 6 300s 3,60 86,4
QPS	Number of queries processed per second	Number of SQL queries processed (including the execution of the INSERT, SELECT, UPDATE, DELETE, and REPLACE statements) in the database per second. It is a metric of the actual processing capability of TencentDB instances.	Times/sec	InstanceId, InstanceType (optional)	5s, 6 300s 3,60 86,4
ThreadsConnected	Current connections	Number of current connections	Connection(s)	InstanceId, InstanceType (optional)	5s, 6 300s 3,60 86,4
TPS	Transactions per second	Number of transactions performed in the database per second	Transaction(s)/sec	InstanceId, InstanceType (optional)	5s, 6 300s 3,60 86,4

Engine (general) - access

Parameter	Metric Name	Description	Unit	Dimension	Statistica Period
ComDelete	Number of deletions	Number of deletions per second	Deletion(s)/sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s

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Parameter	Metric Name	Description	Unit	Dimension	Statistica Period
ComInsert	Number of insertions	Number of insertions per second	Insertion(s)/sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s
ComReplace	Number of replacements	Number of replacements per second	Replacement(s)/sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s
ComUpdate	Number of updates	Number of updates per second	Update(s)/sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s
Queries	Total number of queries	All SQL statements executed, including SET and SHOW	Times/sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s
QueryRate	Query rate	Actual QPS / recommended QPS	%	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s
SelectCount	Number of times the SELECT statement is executed	Number of times the SELECT statement is executed per second	Times/sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s
SelectScan	Number of full-table scans	Number of full-table scans performed	Times/sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s
SlowQueries	Number of slow queries	Number of queries that take more than `long_query_time` to execute	Query/Queries	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s

Engine (general) - table

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Parameter	Metric Name	Description	Unit	Dimension	Statistical Period
CreatedTmpTables	Number of temp tables	Number of temp tables created	Table(s)/sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s
TableLocksWaited	Number of table lock waits	Number of table locks that cannot be obtained immediately	Times/sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s

Engine (extended) - Tmp

Parameter	Metric Name	Description	Unit	Dimension	Statistical Period
CreatedTmpDiskTables	Number of temp disk tables	Number of temp disk tables created per second	Times/sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s
CreatedTmpFiles	Number of temporary files	Number of temporary files created per second	Times/sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s

Engine (extended) - key

Parameter	Metric Name	Description	Unit	Dimension	Statistical Period
KeyBlocksUnused	Number of unused blocks in the key cache	Number of unused blocks in the MyISAM key cache	Block(s)	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s
KeyBlocksUsed	Number of used blocks in the key cache	Number of used blocks in the MyISAM key cache	Block(s)	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s

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Parameter	Metric Name	Description	Unit	Dimension	Statistical Period
KeyReadRequests	Number of data block reads from the key cache	Number of times the MyISAM engine reads data blocks from the key cache	Times/sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s
KeyReads	Number of data block reads from the hard disk	Number of times the MyISAM engine reads data blocks from the hard disk per second	Times/sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s
KeyWriteRequests	Number of data block writes into the key cache	Number of times the MyISAM engine writes data blocks into the key cache	Times/sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s
KeyWrites	Number of data block writes into the hard disk	Number of times the MyISAM engine writes data blocks into the hard disk per second	Times/sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s

Engine (extended) - InnoDB row

Parameter	Metric Name	Description	Unit	Dimension	Statistical Period
InnodbRowLockTimeAvg	Average time of locking a InnoDB row	Average time the InnoDB engine spends locking a row	ms	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s
InnodbRowLockWaits	Number of InnoDB row lock waits	Number of times the InnoDB engine waits to lock a row per second	Times/sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s

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Parameter	Metric Name	Description	Unit	Dimension	Statistical Period
InnodbRowsDeleted	Number of rows deleted from InnoDB	Number of rows deleted from the InnoDB engine per second	Row(s)/sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s
InnodbRowsInserted	Number of rows inserted into InnoDB	Number of rows inserted into the InnoDB engine per second	Row(s)/sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s
InnodbRowsRead	Number of InnoDB row reads	Number of rows read by the InnoDB engine per second	Row(s)/sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s
InnodbRowsUpdated	Number of updated InnoDB rows	Number of rows updated by the InnoDB engine per second	Row(s)/sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s

Engine (extended) - InnoDB data

Parameter	Metric Name	Description	Unit	Dimension	Statistical Period
InnodbDataReads	Size of data read by InnoDB	Size of data read by the InnoDB engine per second in bytes	B/sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s
InnodbDataReads	Total number of InnoDB data reads	Number of data reads handled by the InnoDB engine per second	Times/sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s
InnodbDataWrites	Total number of InnoDB data writes	Number of data writes processed by the InnoDB engine per second	Times/sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s

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Parameter	Metric Name	Description	Unit	Dimension	Statistical Period
InnodbDataWritten	Size of data written to InnoDB	Size of data written to the InnoDB engine per second in bytes	B/sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s

Engine monitoring (extended) - handler

Parameter	Metric Name	Description	Unit	Dimension	Statistical Period
HandlerCommit	Number of internal commits	Number of transaction commits per second	Times/sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s
HandlerReadRndNext	Number of read-next-row requests	Number of requests to read the next row per second	Times/sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s
HandlerRollback	Number of internal rollbacks	Number of transaction rollbacks per second	Times/sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s

Engine (extended) - buffer

Parameter	Metric Name	Description	Unit	Dimension	Statistical Period
InnodbBufferPoolPagesFree	Number of InnoDB blank pages	Number of blank pages in the InnoDB buffer pool	Page(s)	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s
InnodbBufferPoolPagesTotal	Total number of InnoDB pages	Total number of memory pages taken up by the InnoDB engine	Page(s)	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s

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Parameter	Metric Name	Description	Unit	Dimension	Statistical Period
InnodbBufferPoolReadRequests	Number of times pages are pre-fetched into the InnoDB buffer pool	Number of logic read requests processed by the InnoDB engine per second	Times/sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s
InnodbBufferPoolReads	Number of InnoDB physical reads	Number of physical read requests processed by the InnoDB engine per second	Times/sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s

Engine (extended) - others

Parameter	Metric Name	Description	Unit	Dimension	Statistical Period
LogCapacity	Log usage	Size of logs used by the engine	MB	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s
OpenFiles	Number of opened files	Number of files opened by the engine	File(s)/sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s

Engine (extended) - connection

Parameter	Metric Name	Description	Unit	Dimension	Statistical Period
ThreadsCreated	Number of created threads	Number of threads created to process connections	Thread(s)	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s

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Parameter	Metric Name	Description	Unit	Dimension	Statistical Period
ThreadsRunning	Number of running threads	Number of running (non-idle) threads	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s	

Engine (extended) - access

Parameter	Metric Name	Description	Unit	Dimension	Statistical Period
ComCommit	Number of commits	Number of commits per second	Times/sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s
ComRollback	Number of rollbacks	Number of rollbacks per second	Times/sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s

Engine monitoring (extended) - table

Parameter	Metric Name	Description	Unit	Dimension	Statistical Period
OpenedTables	Number of opened tables	Number of tables opened by the engine	Table(s)	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s
TableLocksImmediate	Number of table locks released immediately	Number of table locks released immediately by the engine	Lock(s)	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s

Deployment (replica)

Parameter	Metric Name	Description	Unit	Dimension	Statistical Period
MasterSlaveSyncDistance	Source-replica delay in size	Source-replica binlog delay in size	MB	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s

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Parameter	Metric Name	Description	Unit	Dimension	Statistical Period
SecondsBehindMaster	Source-replica delay in time	Source-replica delay in time	Sec	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s
SlaveIoRunning	IO thread status	IO thread status	Values: 0: Yes; 1: No; 2: Connecting	InstanceId, InstanceType (optional)	5s, 60s, 300s, 3,600s, 86,400s
SlaveSqlRunning	SQL thread status	SQL thread status	Values: 0: Yes; 1: No; 2: Connecting	InstanceId, InstanceTyp (optional)	5s, 60s, 300s, 3,600s, 86,400s

Note：
Statistical periods (`period`) may vary by metric. You can get the statistical periods for different metrics by calling the `DescribeBaseMetrics` API.

Dimensions and Parameters

Parameter	Dimension	Dimension Description	Format
Instances.N.Dimensions.0.Name	InstanceId	Database instance name	Enter a string-type dimension name, such as `InstanceId`
Instances.N.Dimensions.0.Value	InstanceId	Database ID	Enter an instance ID, such as `cdb-ebul6659`
Instances.N.Dimensions.1.Name	InstanceType (optional)	Database instance type	Enter a string-type dimension name, such as `InstanceType`

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Parameter	Dimension	Dimension Description	Format
Instances.N.Dimensions.1.Value	InstanceType (optional)	Database instance type. Valid values: • 1 (default): Pulls monitoring data from the source • 2: Pulls monitoring data from the replica (single-node and dual-node instance supported only) • 3: Pulls monitoring data from a read-only instance (the ID of the read-only instance must be passed in as `InstanceId`; otherwise, the value `1` will be used for the database instance type by default) • 4: Pulls monitoring data from the second replica (applicable only to Finance Edition)	Enter an instance type (optional). Default value: 1

Note：
`InstanceType` description:

- If the `InstanceId` value is a source instance ID, only `InstanceType` supports pulling the monitoring data of the source (value: 1), replica (value: 2), read-only instance (value: 3), and second replica (value: 4).
- If the `InstanceId` value is a source instance ID, the `InstanceType` value is 2 (replica), and the source instance has three nodes (one source and two replicas), then the monitoring data of one monitored node will be missing, as pulling replica monitoring data is supported only for single-node and two-node instances.
- To pull the monitoring data of a read-only instance, pass in its ID as `InstanceId`.

Input Parameters

To query the monitored data of TencentDB for MySQL, use the following input parameters:

&Namespace=QCE/CDB
&Instances.N.Dimensions.0.Name= `InstanceId`
&Instances.N.Dimensions.0.Value= Specific database ID

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&Instances.N.Dimensions.1.Name= `InstanceType`

&Instances.N.Dimensions.1.Value=Database instance type

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TencentDB for Redis Monitoring Metrics Monitoring Metrics (CKV Edition)

Last updated：2022-08-04 10:49:05

Namespace

Namespace=QCE/REDIS

Monitoring Metrics

Metric Name	Parameter	Collection Method (in Linux)	Statistical Method
Total requests	Qps	Total number of commands within 1 minute divided by 60	This metric is collected every minute, and its value at the 5-minute granularity is its average over the last 5 minutes

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Metric Name	Parameter	Collection Method (in Linux)	Statistical Method
Connections	Connections	Total number of connections within 1 minute	This metric is collected every minute, and its value at the 5-minute granularity is its sum over the last 5 minutes
CPU utilization	CpuUs	Percentage of time during which the CPU is occupied, which is calculated by obtaining `/proc/stat` data	This metric is collected every minute, and its value at the 5-minute granularity is its average over the last 5 minutes

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Metric Name	Parameter	Collection Method (in Linux)	Statistical Method
Inbound traffic	InFlow	Sum of inbound traffic within 1 minute	This metric is collected every minute, and its value at the 5-minute granularity is its sum over the last 5 minutes
Total keys	Keys	Maximum number of keys within 1 minute	This metric is collected every minute, and its value at the 5-minute granularity is its maximum over the last 5 minutes

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Metric Name	Parameter	Collection Method (in Linux)	Statistical Method
Outbound traffic	OutFlow	Sum of outbound traffic within 1 minute	This metric is collected every minute, and its value at the 5-minute granularity is its sum over the last 5 minutes
Write requests	StatGet	Number of get/hget/hgetall/hmget/mget/getbit/getrange command requests within 1 minute	This metric is collected every minute, and its value at the 5-minute granularity is its sum over the last 5 minutes

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Metric Name	Parameter	Collection Method (in Linux)	Statistical Method
Read requests	StatSet	Number of set/hset/hmset/hsetnx/lset/mset/msetx/setbit/setex/setrange/setnx command requests within 1 minute	This metric is collected every minute, and its value at the 5-minute granularity is its sum over the last 5 minutes
Memory usage	Storage	Maximum consumed capacity within 1 minute	This metric is collected every minute, and its value at the 5-minute granularity is its maximum over the last 5 minutes

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Metric Name	Parameter	Collection Method (in Linux)	Statistical Method
Memory utilization	StorageUs	Maximum percentage of the consumed capacity within 1 minute	This metric is collected every minute, and its value at the 5-minute granularity is its maximum over the last 5 minutes

Note：
The statistical granularity (`period`) may vary by metric. The DescribeBaseMetrics API can be used to obtain the `period` supported by each metric.

Overview of the Parameters in Each Dimension

Parameter Name	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.0.Name	redis_uuid	Dimension name of the instance ID	Enter a string-type dimension name, such as redis_uuid
Instances.N.Dimensions.0.Value	redis_uuid	A specific instance ID	Enter a specific instance ID on TencentDB for Redis, such as crs-123456

Input Parameters

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To query the monitoring data of a TencentDB for Redis instance, use the following input parameters:

&Namespace= QCE/REDIS

&Instances.N.Dimensions.0.Name=redis_uuid

&Instances.N.Dimensions.0.Value=

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Monitoring Metrics (Memory Edition)

Last updated：2021-03-24 10:42:52

Namespace

Namespace=QCE/REDIS

Monitoring Metrics

Standard edition

Parameter	Metric Name	Unit	Description	Dimension
CpuUsMin	CPU utilization	%	Average CPU utilization	instanceid
StorageMin	Memory usage	MB	Actually used memory capacity, including the capacity for data and cache	instanceid
StorageUsMin	Memory utilization	%	Ratio of the actually used memory to the requested total memory	instanceid
KeysMin	Total number of keys	Count	Total number of keys (level-1 keys) in instance storage	instanceid
ExpiredKeysMin	Expired keys	Count	Number of keys expired in a time window, which corresponds to the value of `expired_keys` outputted by the `info` command	instanceid
EvictedKeysMin	Evicted keys	Count	Number of keys evicted in a time window, which corresponds to the value of `evicted_keys` outputted by the `info` command	instanceid
ConnectionsMin	Connections	Count	Number of TCP connections to an instance	instanceid
ConnectionsUsMin	Connection utilization	%	Ratio of the actual number of TCP connections to the maximum number of connections	instanceid

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InFlowMin	Inbound traffic	Mb/s	Private inbound traffic	instanceid
InFlowUsMin	Inbound traffic utilization	%	Ratio of the actually used private inbound traffic to the maximum traffic	instanceid
OutFlowMin	Outbound traffic	Mb/s	Private outbound traffic	instanceid
OutFlowUsMin	Outbound traffic utilization	%	Ratio of the actually used private outbound traffic to the maximum traffic	instanceid
LatencyMin	Average execution latency	ms	Average execution latency between the proxy and the Redis server	instanceid
LatencyGetMin	Average execution latency of the `read` command	ms	Average execution latency of the `read` command between the proxy and the Redis server	instanceid
LatencySetMin	Average execution latency of the `write` command	ms	Average execution latency of the `write` command between the proxy and the Redis server	instanceid
LatencyOtherMin	Average execution latency of other commands	ms	Average execution latency of commands other than `read` and `write` between the proxy and the Redis server	instanceid
QpsMin	Total requests	Times/sec	QPS, that is, the number of command executions	instanceid
StatGetMin	Read requests	Times/min	Number of read command executions	instanceid
StatSetMin	Write requests	Times/min	Number of write command executions	instanceid
StatOtherMin	Other requests	Times/sec	Number of command executions other than reads and writes	instanceid
BigValueMin	Big-value requests	Times/sec	Number of command executions for which the request size exceeds 32 KB	instanceid
SlowQueryMin	Slow queries	Count	Number of slow queries	instanceid
StatSuccessMin	Read request hits	Count	Number of existing read request keys, which corresponds to the value of the	instanceid

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			`keyspace_hits` metric outputted by the `info` command	
StatMissedMin	Read request misses	Count	Number of nonexistent read request keys, which corresponds to the value of the `keyspace_misses` metric outputted by the `info` command	instanceid
CmdErrMin	Execution errors	Count	Number of command execution errors, such as when a command does not exist or a parameter is incorrect	instanceid
CacheHitRatioMin	Read request hit rate	%	Key hits/(key hits + key misses). This metric reflects the severity of cache misses	instanceid

Overview of cluster edition

Parameter	Metric Name	Unit	Description	Dimension
CpuUsMin	Average CPU utilization	%	Average CPU utilization	instanceid
CpuMaxUsMin	Maximum shard CPU utilization	%	Highest CPU utilization value of all shards in a cluster	instanceid
StorageMin	Memory usage	MB	Actually used memory capacity, including the capacity for data and cache	instanceid
StorageUsMin	Memory utilization	%	Ratio of the actually used memory to the requested total memory	instanceid
StorageMaxUsMin	Maximum shard memory utilization	%	Highest memory utilization value of all shards in a cluster	instanceid
KeysMin	Total number of keys	Count	Total number of keys (level-1 keys) in instance storage	instanceid
ExpiredKeysMin	Expired keys	Count	Number of keys expired in a time window, which corresponds to the value of `expired_keys` outputted by the `info` command	instanceid
EvictedKeysMin	Evicted keys	Count	Number of keys evicted in a time	instanceid

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			window, which corresponds to the value of `evicted_keys` outputted by the `info` command	
ConnectionsMin	Connections	Count	Number of TCP connections to an instance	instanceid
ConnectionsUsMin	Connection utilization	%	Ratio of the actual number of TCP connections to the maximum number of connections	instanceid
InFlowMin	Inbound traffic	Mb/s	Private inbound traffic	instanceid
InFlowUsMin	Inbound traffic utilization	%	Ratio of the actually used private inbound traffic to the maximum traffic	instanceid
OutFlowMin	Outbound traffic	Mb/s	Private outbound traffic	instanceid
OutFlowUsMin	Outbound traffic utilization	%	Ratio of the actually used private outbound traffic to the maximum traffic	instanceid
LatencyMin	Average execution latency	ms	Average execution latency between the proxy and the Redis server	instanceid
LatencyGetMin	Average execution latency of the `read` command	ms	Average execution latency of the `read` command between the proxy and the Redis server	instanceid
LatencySetMin	Average execution latency of the `write` command	ms	Average execution latency of the `write` command between the proxy and the Redis server	instanceid
LatencyOtherMin	Average execution latency of other commands	ms	Average execution latency of commands other than `read` and `write` between the proxy and the Redis server	instanceid
QpsMin	Total requests	Times/sec	QPS, that is, the number of command executions	instanceid
StatGetMin	Read requests	Times/sec	Number of read command executions	instanceid

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StatSetMin	Write requests	Times/sec	Number of write command executions	instanceid
StatOtherMin	Other requests	Times/sec	Number of command executions other than reads and writes	instanceid
BigValueMin	Big-value requests	Times/sec	Number of command executions for which the request size exceeds 32 KB	instanceid
SlowQueryMin	Slow queries	Count	Number of command executions with a latency greater than the slowlog_log_slower_than configuration	instanceid
StatSuccessMin	Read request hits	Count	Number of existing read request keys, which corresponds to the value of the `keyspace_hits` metric outputted by the `info` command	instanceid
StatMissedMin	Read request misses	Count	Number of nonexistent read request keys, which corresponds to the value of the `keyspace_misses` metric outputted by the `info` command	instanceid
CmdErrMin	Execution errors	Count	Number of command execution errors, such as when a command does not exist or a parameter is incorrect	instanceid
CacheHitRatioMin	Read request hit rate	%	Key hits/(key hits + key misses). This metric reflects the severity of cache misses	instanceid

Cluster sharding

Parameter	Metric Name	Unit	Description	Dimension
CpuUsNodeMin	CPU utilization	%	Average CPU utilization	instanceid and clusterid
StorageNodeMin	Memory usage	MB	Actually used memory capacity, including the capacity for data and cache	instanceid and clusterid
StorageUsNodeMin	Memory utilization	%	Ratio of the actually used memory to the requested total memory	instanceid and clusterid

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KeysNodeMin	Total number of keys	Count	Total number of keys (level-1 keys) in instance storage	instanceid and clusterid
ExpiredKeysNodeMin	Expired keys	Count	Number of keys expired in a time window, which corresponds to the value of `expired_keys` outputted by the `info` command	instanceid and clusterid
EvictedKeysNodeMin	Evicted keys	Count	Number of keys evicted in a time window, which corresponds to the value of `evicted_keys` outputted by the `info` command	instanceid and clusterid
QpsNodeMin	Total requests	Times/sec	QPS, that is, the number of command executions	instanceid and clusterid
StatGetNodeMin	Read requests	Times/sec	Number of read command executions	instanceid and clusterid
StatSetNodeMin	Write requests	Times/sec	Number of write command executions	instanceid and clusterid
StatOtherNodeMin	Other requests	Times/sec	Number of command executions other than reads and writes	instanceid and clusterid
SlowQueryNodeMin	Slow queries	Count	Number of command executions with a latency greater than the slowlog_log_slower_than configuration	instanceid and clusterid
StatSuccessNodeMin	Read request hits	Count	Number of existing read request keys, which corresponds to the value of the `keyspace_hits` metric outputted by the `info` command	instanceid and clusterid
StatMissedNodeMin	Read request misses	Count	Number of nonexistent read request keys, which corresponds to the value of the `keyspace_misses` metric outputted by the `info` command	instanceid and clusterid
CmdErrNodeMin	Execution errors	Count	Number of command execution errors, such as when a command does not exist or a parameter is incorrect	instanceid and clusterid

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CacheHitRatioNodeMin	Read request hit rate	%	Key hits/(key hits + key misses). This metric reflects the severity of cache misses. If the number of access requests is 0, the value of this metric will be null	instanceid and clusterid

Note：

The statistical granularity (`period`) may vary by metric. The DescribeBaseMetrics API can be used to get the `period` supported by each API.

Overview of Parameters in Each Dimension

Parameter Name	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.0.Name	instanceid	Dimension name of the instance ID	Enter a string-type dimension name, such as instanceid
Instances.N.Dimensions.0.Value	instanceid	A specific instance ID	Enter a specific Redis instance ID, such as tdsql-123456. The specific Redis instance ID can also be an instance string, such as crs-ifmymj41. It can be queried through the DescribeRedis API
Instances.N.Dimensions.1.Name	clusterid	Dimension name of the shard ID	Enter a string-type dimension name, such as clusterid. • To pull overall information, do not pass in this parameter. • To pull shard information, the input parameter must be `clusterid`
Instances.N.Dimensions.1.Value	clusterid	A specific shard ID	Enter a specific shard ID such as tdsql-123456, which can be obtained by running commands such as `cluster nodes`

Input Parameters

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To query the monitoring data of TencentDB for Redis, use the following input parameters:

&Namespace=QCE/REDIS

&Instances.N.Dimensions.0.Name=instanceid

&Instances.N.Dimensions.0.Value=instance ID

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Monitoring Metrics (Memory Edition, 5-Second)

Last updated：2022-10-24 11:11:07

Namespace

Namespace = QCE/REDIS_MEM

Monitoring Metrics

Instance monitoring

Parameter	Metric Name	Description	Unit	Dimension	Statistical Period
CpuUtil	CPU utilization	The average CPU utilization	%	instanceid	5s, 60s, 300s, 3600s, 86400s
CpuMaxUtil	Max CPU utilization of node	The maximum among all node (shard or replica) CPU utilizations in an instance	%	instanceid	5s, 60s, 300s, 3600s, 86400s
MemUsed	Used memory	The actually used memory capacity, including the capacity for data and cache	MB	instanceid	5s, 60s, 300s, 3600s, 86400s
MemUtil	Memory utilization	The ratio of the actually used memory to the requested total memory	%	instanceid	5s, 60s, 300s, 3600s, 86400s
MemMaxUtil	Max memory utilization of node	The maximum among all node (shard or replica) memory utilizations in an instance	%	instanceid	5s, 60s, 300s, 3600s, 86400s

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Parameter	Metric Name	Description	Unit	Dimension	Statistical Period
Keys	Total keys	The total number of keys (level-1 keys) stored in the instance	-	instanceid	5s, 60s, 300s, 3600s, 86400s
Expired	Expired keys	The number of keys expired in a time window, which is equal to the value of `expired_keys` output by the `info` command	-	instanceid	5s, 60s, 300s, 3600s, 86400s
Evicted	Evicted keys	The number of keys evicted in a time window, which is equal to the value of `evicted_keys` output by the `info` command	-	instanceid	5s, 60s, 300s, 3600s, 86400s
Connections	Connections	The number of TCP connections to the instance	-	instanceid	5s, 60s, 300s, 3600s, 86400s
ConnectionsUtil	Connection utilization	The ratio of the number of TCP connections to the maximum number of connections	%	instanceid	5s, 60s, 300s, 3600s, 86400s
InFlow	Inbound traffic	The private network inbound traffic	Mb/s	instanceid	5s, 60s, 300s, 3600s, 86400s
InBandwidthUtil	Inbound traffic utilization	The ratio of the actually used private inbound traffic to the maximum traffic	%	instanceid	5s, 60s, 300s, 3600s, 86400s
InFlowLimit	Inbound traffic limit count	The number of times inbound traffic triggers a traffic limit	-	instanceid	5s, 60s, 300s, 3600s, 86400s

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Parameter	Metric Name	Description	Unit	Dimension	Statistical Period
OutFlow	Outbound traffic	The private network outbound traffic	Mb/s	instanceid	5s, 60s, 300s, 3600s, 86400s
OutBandwidthUtil	Outbound traffic utilization	The ratio of the actually used private outbound traffic to the maximum traffic	%	instanceid	5s, 60s, 300s, 3600s, 86400s
OutFlowLimit	Outbound traffic limit count	The number of times outbound traffic triggers a traffic limit	-	instanceid	5s, 60s, 300s, 3600s, 86400s
LatencyAvg	Average execution latency	The average execution latency between the proxy and the Redis server	ms	instanceid	5s, 60s, 300s, 3600s, 86400s
LatencyMax	Max execution latency	The maximum execution latency between the proxy and the Redis server	ms	instanceid	5s, 60s, 300s, 3600s, 86400s
LatencyRead	Average read latency	The average execution latency of read commands between the proxy and the Redis server	ms	instanceid	5s, 60s, 300s, 3600s, 86400s
LatencyWrite	Average write latency	The average execution latency of write commands between the proxy and the Redis server	ms	instanceid	5s, 60s, 300s, 3600s, 86400s
LatencyOther	Average latency of other commands	The average execution latency of commands (excluding write and read commands) between the proxy and the Redis server	ms	instanceid	5s, 60s, 300s, 3600s, 86400s

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Parameter	Metric Name	Description	Unit	Dimension	Statistical Period
Commands	Total requests	The QPS, that is, the number of command executions per second	Count/sec	instanceid	5s, 60s, 300s, 3600s, 86400s
CmdRead	Read requests	The number of read command executions per second	Count/sec	instanceid	5s, 60s, 300s, 3600s, 86400s
CmdWrite	Write requests	The number of write command executions per second	Count/sec	instanceid	5s, 60s, 300s, 3600s, 86400s
CmdOther	Other requests	The number of command (excluding write and read commands) executions per second	Count/sec	instanceid	5s, 60s, 300s, 3600s, 86400s
CmdBigValue	Big value requests	The number of executions of requests larger than 32 KB per second	Count/sec	instanceid	5s, 60s, 300s, 3600s, 86400s
CmdKeyCount	Key requests	The number of keys accessed by a command per second	Count/sec	instanceid	5s, 60s, 300s, 3600s, 86400s
CmdMget	MGET requests	The number of MGET commands executed per second	Count/sec	instanceid	5s, 60s, 300s, 3600s, 86400s
CmdSlow	Slow queries	The number of command executions with a latency greater than the configured `slowlog-log-slower-than` value	-	instanceid	5s, 60s, 300s, 3600s, 86400s

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Parameter	Metric Name	Description	Unit	Dimension	Statistical Period
CmdHits	Read request hits	The number of keys successfully requested by read commands, which is equal to the value of the `keyspace_hits` metric output by the `info` command	-	instanceid	5s, 60s, 300s, 3600s, 86400s
CmdMiss	Read request misses	The number of keys unsuccessfully requested by read commands, which is equal to the value of the `keyspace_misses` metric output by the `info` command	-	instanceid	5s, 60s, 300s, 3600s, 86400s
CmdErr	Execution errors	The number of command execution errors. For example, the command does not exist, or parameters are incorrect.	-	instanceid	5s, 60s, 300s, 3600s, 86400s
CmdHitsRatio	Read request hit rate	Key hits/(key hits + key misses). This metric reflects cache misses.	%	instanceid	5s, 60s, 300s, 3600s, 86400s

Latency metrics (command dimension)

Parameter	Metric Name	Description	Unit	Dimension	Statistical Period
QpsCommand	Command executions per second	The number of commands executed per second	%	instanceid, command	5s, 60s, 300s, 3600s, 86400s
LatencyAvgCommand	Average execution latency	The average execution latency between the proxy and the Redis server	%	instanceid, command	5s, 60s, 300s, 3600s, 86400s

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Parameter	Metric Name	Description	Unit	Dimension	Statistical Period
LatencyMaxCommand	Max execution delay	The maximum execution latency between the proxy and the Redis server	%	instanceid, command	5s, 60s, 300s, 3600s, 86400s
LatencyP99Command	P99 latency	The P99 execution latency between the proxy and the Redis server	%	instanceid, command	5s, 60s, 300s, 3600s, 86400s

Proxy node monitoring

Parameter	Metric Name	Description	Unit	Dimension	Statistical Period
CpuUtilProxy	CPU utilization	The CPU utilization of the proxy	%	instanceid, pnodeid	5s, 60s, 300s, 3600s, 86400s
CommandsProxy	Total requests	The number of proxy commands executed per second	Count/sec	instanceid, pnodeid	5s, 60s, 300s, 3600s, 86400s
CmdKeyCountProxy	Key requests	The number of keys accessed by a command per second	Count/sec	instanceid, pnodeid	5s, 60s, 300s, 3600s, 86400s
CmdMgetProxy	MGET requests	The number of MGET commands executed per second	Count/sec	instanceid, pnodeid	5s, 60s, 300s, 3600s, 86400s
CmdErrProxy	Execution errors	The number of proxy command execution errors. For example, the command does not exist, or parameters are incorrect.	-	instanceid, pnodeid	5s, 60s, 300s, 3600s, 86400s

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Parameter	Metric Name	Description	Unit	Dimension	Statistical Period
CmdBigValueProxy	Big value requests	The number of executions of requests larger than 32 KB per second	Count/sec	instanceid, pnodeid	5s, 60s, 300s, 3600s, 86400s
ConnectionsProxy	Connections	The number of TCP connections to the instance	-	instanceid, pnodeid	5s, 60s, 300s, 3600s, 86400s
ConnectionsUtilProxy	Connection utilization	The ratio of the number of TCP connections to the maximum number of connections	%	instanceid, pnodeid	5s, 60s, 300s, 3600s, 86400s
InFlowProxy	Inbound traffic	The private network inbound traffic	Mb/s	instanceid, pnodeid	5s, 60s, 300s, 3600s, 86400s
InBandwidthUtilProxy	Inbound traffic utilization	The ratio of the actually used private inbound traffic to the maximum traffic	%	instanceid, pnodeid	5s, 60s, 300s, 3600s, 86400s
InFlowLimitProxy	Inbound traffic limit count	The number of times inbound traffic triggers a traffic limit	-	instanceid, pnodeid	5s, 60s, 300s, 3600s, 86400s
OutFlowProxy	Outbound traffic	The private network outbound traffic	Mb/s	instanceid, pnodeid	5s, 60s, 300s, 3600s, 86400s
OutBandwidthUtilProxy	Outbound traffic utilization	The ratio of the actually used private outbound traffic to the maximum traffic	%	instanceid, pnodeid	5s, 60s, 300s, 3600s, 86400s

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Parameter	Metric Name	Description	Unit	Dimension	Statistical Period
OutFlowLimitProxy	Outbound traffic limit count	The number of times outbound traffic triggers a traffic limit	-	instanceid, pnodeid	5s, 60s, 300s, 3600s, 86400s
LatencyAvgProxy	Average execution latency	The average execution latency between the proxy and the Redis server	ms	instanceid, pnodeid	5s, 60s, 300s, 3600s, 86400s
LatencyMaxProxy	Max execution latency	The maximum execution latency between the proxy and the Redis server	ms	instanceid, pnodeid	5s, 60s, 300s, 3600s, 86400s
LatencyReadProxy	Average read latency	The average execution latency of read commands between the proxy and the Redis server	ms	instanceid, pnodeid	5s, 60s, 300s, 3600s, 86400s
LatencyWriteProxy	Average write latency	The average execution latency of write commands between the proxy and the Redis server	ms	instanceid, pnodeid	5s, 60s, 300s, 3600s, 86400s
LatencyOtherProxy	Average latency of other commands	The average execution latency of commands (excluding write and read commands) between the proxy and the Redis server	ms	instanceid, pnodeid	5s, 60s, 300s, 3600s, 86400s

Redis node monitoring

Parameter	Metric Name	Description	Unit	Dimension	Statistical Period

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Parameter	Metric Name	Description	Unit	Dimension	Statistical Period
CpuUtilNode	CPU utilization	The average CPU utilization	%	instanceid, rnodeid	5s, 60s, 300s, 3600s, 86400s
ConnectionsNode	Connections	The number of connections from the proxy to the node	-	instanceid, rnodeid	5s, 60s, 300s, 3600s, 86400s
ConnectionsUtilNode	Connection utilization	The utilization of node connections	%	instanceid, rnodeid	5s, 60s, 300s, 3600s, 86400s
MemUsedNode	Used memory	The actually used memory capacity, including the capacity for data and cache	MB	instanceid, rnodeid	5s, 60s, 300s, 3600s, 86400s
MemUtilNode	Memory utilization	The ratio of the actually used memory to the requested total memory	%	instanceid, rnodeid	5s, 60s, 300s, 3600s, 86400s
KeysNode	Total keys	The total number of keys (level-1 keys) stored in the instance	-	instanceid, rnodeid	5s, 60s, 300s, 3600s, 86400s
ExpiredNode	Expired keys	The number of keys expired in a time window, which is equal to the value of `expired_keys` output by the `info` command	-	instanceid, rnodeid	5s, 60s, 300s, 3600s, 86400s

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Parameter	Metric Name	Description	Unit	Dimension	Statistical Period
EvictedNode	Evicted keys	The number of keys evicted in a time window, which is equal to the value of `evicted_keys` output by the `info` command	-	instanceid, rnodeid	5s, 60s, 300s, 3600s, 86400s
ReplDelayNode	Replication delay	The command delay between the replica node and the master node	Byte	instanceid, rnodeid	5s, 60s, 300s, 3600s, 86400s
CommandsNode	Total requests	The QPS, that is, the number of command executions per second	Count/sec	instanceid, rnodeid	5s, 60s, 300s, 3600s, 86400s
CmdReadNode	Read requests	The number of read command executions per second	Count/sec	instanceid, rnodeid	5s, 60s, 300s, 3600s, 86400s
CmdWriteNode	Write requests	The number of write command executions per second	Count/sec	instanceid, rnodeid	5s, 60s, 300s, 3600s, 86400s
CmdOtherNode	Other requests	The number of command (excluding write and read commands) executions per second	Count/sec	instanceid, rnodeid	5s, 60s, 300s, 3600s, 86400s
CmdSlowNode	Slow queries	The number of command executions with a latency greater than the configured `slowlog-log-slower-than` value	-	instanceid, rnodeid	5s, 60s, 300s, 3600s, 86400s

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Parameter	Metric Name	Description	Unit	Dimension	Statistical Period
CmdHitsNode	Read request hits	The number of keys successfully requested by read commands, which is equal to the value of the `keyspace_hits` metric output by the `info` command	-	instanceid, rnodeid	5s, 60s, 300s, 3600s, 86400s
CmdMissNode	Read request misses	The number of keys unsuccessfully requested by read commands, which is equal to the value of the `keyspace_misses` metric output by the `info` command	-	instanceid, rnodeid	5s, 60s, 300s, 3600s, 86400s
CmdHitsRatioNode	Read request hit rate	Key hits/(key hits + key misses). This metric reflects cache misses.	%	instanceid, rnodeid	5s, 60s, 300s, 3600s, 86400s

Dimensions and Parameters

Parameter	Dimension	Description	Format
Instances.N.Dimensions.0.Name	instanceid	Dimension name of the instance ID	Enter a string-type dimension name: instanceid
Instances.N.Dimensions.0.Value	instanceid	Specific instance ID	Enter a specific Redis instance ID, such as `tdsql-123456` , which can be queried through the DescribeInstances API and can also be an instance string such as `crs-ifmymj41` .

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Parameter	Dimension	Description	Format
Instances.N.Dimensions.1.Name	rnodeid	Dimension name of the Redis node ID	Enter a string-type dimension name: rnodeid
Instances.N.Dimensions.1.Value	rnodeid	Specific Redis node ID	Enter a specific Redis node ID, which can be queried through the DescribeInstanceNodeInfo API.
Instances.N.Dimensions.1.Name	pnodeid	Dimension name of the proxy node ID	Enter a string-type dimension name: pnodeid
Instances.N.Dimensions.1.Value	pnodeid	Specific proxy node ID	Enter a specific proxy node ID, which can be queried through the DescribeInstanceNodeInfo API.
Instances.N.Dimensions.1.Name	command	Dimension name of the command word	Enter a string-type dimension name: command
Instances.N.Dimensions.1.Value	command	Specific command word	Enter a specific command word, such as `ping` and `get`

Input Parameters

To query the monitoring data of a TencentDB for Redis instance, use the following input parameters:

&Namespace=QCE/REDIS_MEM

&Instances.N.Dimensions.0.Name=instanceid

&Instances.N.Dimensions.0.Value=Instance ID

To query the monitoring data of a TencentDB proxy node, use the following input parameters:

&Namespace=QCE/REDIS_MEM

&Instances.N.Dimensions.0.Name=instanceid

&Instances.N.Dimensions.0.Value=Instance ID

&Instances.N.Dimensions.1.Name=pnodeid

&Instances.N.Dimensions.1.Value=Proxy node ID

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To query the monitoring data of a TencentDB for Redis node, use the following input parameters:

&Namespace=QCE/REDIS_MEM

&Instances.N.Dimensions.0.Name=instanceid

&Instances.N.Dimensions.0.Value=Instance ID

&Instances.N.Dimensions.1.Name=rnodeid

&Instances.N.Dimensions.1.Value=Redis node ID

To query the monitoring data of TencentDB for Redis latency metrics (command dimension), use the following input parameters:

&Namespace=QCE/REDIS_MEM

&Instances.N.Dimensions.0.Name=instanceid

&Instances.N.Dimensions.0.Value=Instance ID

&Instances.N.Dimensions.1.Name=command

&Instances.N.Dimensions.1.Value=Specific command word

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TencentDB for MongoDB Monitoring Metrics

Last updated：2021-02-02 14:38:09

Namespace

Namespace=QCE/CMONGO

Monitoring Metrics

MongoDB

1. Requests

Parameter	Metric	Description	Unit	Dimension
Inserts	Write requests	Number of writes in unit time	-	target (instance ID)
Reads	Read requests	Number of reads in unit time	-	target (instance ID)
Updates	Update requests	Number of updates in unit time	-	target (instance ID)
Deletes	Deletion requests	Number of deletions in unit time	-	target (instance ID)
Counts	Count requests	Number of counts in unit time	-	target (instance ID)
Aggregates	Aggregate requests	Number of aggregates in unit time	-	target (instance ID)
Success	Successful requests	Number of successful requests in unit time	-	target (instance ID)

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Commands	Command requests	Number of command requests in unit time	-	target (instance ID)
Timeouts	Timed-out requests	Number of timed-out requests in unit time	-	target (instance ID)
Qps	Requests per second	Number of operations per second, including CRUD operations	Requests/sec	target (instance ID)

2. Delay requests

Parameter	Metric	Description	Unit	Dimension
Delay10	Requests with a delay of 10–50 ms	Number of successful requests with a delay of 10–50 ms in unit time	-	target (instance ID)
Delay50	Requests with a delay of 50–100 ms	Number of successful requests with a delay of 50–100 ms in unit time	-	target (instance ID)
Delay100	Requests with a delay of over 100 ms	Number of successful requests with a delay of over 100 ms in unit time	-	target (instance ID)

3. Connections

Parameter	Metric	Description	Unit	Dimension
ClusterConn	Cluster connections	Total number of cluster connections, i.e., the total number of connections received by the current cluster proxy	-	target (instance ID)
Connper	Connection utilization	Proportion of current connections to the configured total connections of the cluster	%	target (instance ID)

4. System

Parameter	Metric	Description	Unit	Dimension
ClusterDiskusage	Disk	Proportion of used storage capacity to the configured	%	target

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	utilization	total capacity of the cluster		(instance ID)

MongoDB replica set

1. System

Parameter	Metric	Description	Unit	Dimension
ReplicaDiskusage	Disk utilization	Replica set capacity utilization	%	target (replica set ID)

2. Primary-secondary

Parameter	Metric	Description	Unit	Dimension
SlaveDelay	Primary-secondary lag	Average primary-secondary lag in unit time	Seconds	target (replica set ID)
Oplogreservedtime	Oplog retention time	Time difference between the last operation and the first operation in oplog	hours	target (replica set ID)

3. Cache

Parameter	Metric	Description	Unit	Dimension
CacheDirty	Dirty data percentage in cache	Percentage of dirty data in the current memory cache	%	target (replica set ID)
CacheUsed	Cache utilization	Percentage of currently used cache	%	target (replica set ID)
HitRatio	Cache hit rate	Current cache hit rate	%	target (replica set ID)

Mongo node

1. System

Parameter	Metric	Description	Unit	Dimension
CpuUsage	CPU utilization	CPU utilization	%	target (node ID)
MemUsage	Memory utilization	Memory utilization	%	target (node ID)

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NetIn	Network inbound traffic	Network inbound traffic	MB/s	target (node ID)
NetOut	Network outbound traffic	Network outbound traffic	MB/s	target (node ID)
Disk	Node disk usage	Node disk usage	MB	target (node ID)

2. Connections

Parameter	Metric	Description	Unit	Dimension
Conn	Connections	Number of node connections	-	target (node ID)

3. Reads and writes

Parameter	Metric	Description	Unit	Dimension
Qr	Read requests waiting in the queue	Number of read requests waiting in the queue	-	target (node ID)
Qw	Write requests waiting in the queue	Number of write requests waiting in the queue	-	target (node ID)
Ar	ActiveRead of WT engine	Number of active read requests	-	target (node ID)
Aw	ActiveWrite of WT engine	Number of active write requests	-	target (node ID)

4. TTL index

Parameter	Metric	Description	Unit	Dimension
TtlDeleted	Data entries deleted by TTL	Number of data entries deleted by TTL	-	target (node ID)
TtlPass	TTL running rounds	Number of TTL running rounds	-	target (node ID)

Note：

The statistical granularity (`period`) may vary by metric. The DescribeBaseMetrics API can be used to get the `period` values supported by each metric.

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Overview of Parameters in Each Dimension

Parameter	Dimension	Dimension Description	Format
Instances.N.Dimensions.0.Name	target	Target dimension name	Enter a String-type dimension name: target
Instances.N.Dimensions.0.Value	target	Subject to the query dimension	Please see the value reference table

Note：

Valid values of `Instances.N.Dimensions.0.Value` for TencentDB:

TencentDB for MongoDB is a cluster service. You can query monitoring data in three dimensions: "cluster", "replica set", and "node" as detailed below:

- "Cluster" dimension: it represents a certain TencentDB for MongoDB instance you purchased. In this dimension, you can query the number of read and write requests, capacity utilization, and timed-out requests of the entire instance.
- "Replica set" dimension: you can query the internal capacity utilization and primary-secondary lag of a certain replica set in the cluster. A replica set instance itself contains only one replica set, while each shard of a shard instance is a replica.
- "Node" dimension: you can query the CPU, memory, and other information of any node in the cluster.

dimensions.0.value value reference table

Value Type	Sample Value	Description
Instance ID	cmgo-6ielucen	Unique ID of a TencentDB for MongoDB instance, • which can be obtained in the TencentDB for MongoDB console • or by calling an applicable TencentDB for MongoDB API
Replica set ID	• cmgo-6ielucen_0 • cmgo-6ielucen_2	A replica set ID can be obtained by adding "_index number" after the instance ID. The "index number" starts at 0 and can be up to the number of replica sets - 1. A replica set instance has only one replica set, so it is sufficient to always suffix "_0". A sharded instance has many shards, each of which is a replica set; for example, for the replica set ID of the third shard, suffix "_2"
Node ID	• cmgo-6ielucen_0-node-primary	• Add "-node-primary" after the replica set ID to get the primary node ID of the replica set. • Add "-node-slave node index number" after the replica set ID to get the corresponding secondary node ID. The "secondary node index number" starts at 0

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	• cmgo-6ielucen_1-node-slave0 • cmgo-6ielucen_3-node-slave2	and can be up to the number of secondary nodes - 1

Input Parameter Description

To query the monitoring data of a TencentDB for MongoDB instance, use the following input parameters:

&Namespace=QCE/CMONGO

&Instances.N.Dimensions.0.Name=target

&Instances.N.Dimensions.0.Value=subject to query dimension

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TencentDB for PostgreSQL Monitoring Metrics

Last updated：2023-05-06 16:57:28

Namespace

Namespace=QCE/POSTGRES

Monitoring Metrics

Parameter	Metric	Description	Unit	Dimension
Connections	Connections	Historical trend of active connections to the instance	-	resourceId
Cpu	CPU utilization	Instance CPU utilization. Due to the flexible CPU limit policy adopted during idle time, the CPU utilization may be above 100%	%	resourceId
HitPercent	Buffer cache hit rate	Data cache hit rate	%	resourceId
Memory	Memory usage	Available memory space used by the instance	KB	resourceId
OtherCalls	Other requests	Total number of requests (such as DROP) other than reads and writes accumulated by the minute	Requests/min	resourceId
Qps	Queries per second	Number of queries per second	Queries/sec	resourceId
WriteCalls	Write requests	Total number of write requests per minute	Requests/min	resourceId
ReadCalls	Read requests	Total number of read requests per minute	Requests/min	resourceId

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Parameter	Metric	Description	Unit	Dimension
ReadWriteCalls	Read and write requests	Total number of read and write (CRUD) requests per minute	Requests/min	resourceId
RemainXid	Remaining XIDs	Number of remaining transaction IDs. Maximum number: 2^32. If this value is below 1000000, we recommend you manually run `vacuum full`	-	resourceId
SqlRuntimeAvg	Average execution latency	Average execution time of all SQL requests, excluding SQL requests in transactions	Ms	resourceId
SqlRuntimeMax	Top 10 longest execution latency	Average execution time of the top 10 most time-consuming SQL requests	Ms	resourceId
SqlRuntimeMin	Top 10 shortest execution latency	Average execution time of the top 10 least time-consuming SQL requests	Ms	resourceId
Storage	Used storage space	Storage capacity used by the instance	GB	resourceId
XlogDiff	Primary/Secondary xlog sync delay	Primary/Secondary xlog sync delay sampled once per minute. The smaller, the better	Byte	resourceId
SlowQueryCnt	Slow queries	Number of queries that take more than the specified time (1s by default) to be executed	-	resourceId
StorageRate	Storage space utilization	Storage space utilization of the instance	%	resourceId

Note：
The statistical granularity (`period`) may vary by metric. The DescribeBaseMetrics API can be used to get the `period` values supported by each metric.

Overview of Parameters in Each Dimension

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Parameter	Dimension	Dimension Description	Format
Instances.N.Dimensions.0.Name	resourceId	`resourceId` dimension name	Enter a String-type dimension name: resourceId
Instances.N.Dimensions.0.Value	resourceId	Specific instance `resourceId`	Enter a specific instance `resourceId` , such as postgres-123456

Input Parameter Description

To query the monitoring data of a TencentDB for PostgreSQL instance, use the following input parameters:

&Namespace=QCE/POSTGRES

&Instances.N.Dimensions.0.Name=resourceId

&Instances.N.Dimensions.0.Value=resourceId

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TDSQL-C for MySQL Monitoring Metrics

Last updated：2023-01-30 11:55:51

Namespace

Namespace=QCE/CYNOSDB_MYSQL

Monitoring Metrics

Parameter	Metric Name	Unit	Dimension
BytesReceived	Private inbound traffic	MB/%	InstanceId
BytesSent	Private outbound traffic	MB/%	InstanceId
ComDelete	Deletions	Times/sec	InstanceId
ComInsert	Insertions	Times/sec	InstanceId
CountSelect	Queries	Times/sec	InstanceId
ComUpdate	Updates	Times/sec	InstanceId
CpuUsageRate	CPU utilization	%	InstanceId
DbConnections	Number of connections	Count	InstanceId
MemoryUse	Memory usage	MB	InstanceId
Qps	Number of requests	Times/sec	InstanceId
StorageUsage	Storage usage	GB	InstanceId
Tps	Transactions per second	Times/sec	InstanceId
CacheHitRate	Cache hit rate	%	InstanceId
CacheHits	Cache hits	Times	InstanceId
DataVolumeUsage	Data tablespace usage	GB	InstanceId
DataVolumeAllocate	Allocated data tablespace capacity	GB	InstanceId

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Parameter	Metric Name	Unit	Dimension
MaxConnections	Maximum number of connections	Times	InstanceId
UndoVolumeAllocate	Allocated undo tablespace capacity	GB	InstanceId
UndoVolumeUsage	Usage of the undo tablespace	GB	InstanceId
TmpVolumeAllocate	Allocated temporary tablespace capacity	GB	InstanceId
TmpVolumeUsage	Temporary tablespace usage	GB	InstanceId

The statistical granularity (`period`) may vary by metric. The DescribeBaseMetrics API can be used to obtain the period supported by each metric.

Overview of the Parameters in Each Dimension

Parameter Name	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.0.Name	InstanceId	Dimension name of the database instance ID	Enter a string-type dimension name, such as InstanceId
Instances.N.Dimensions.0.Value	InstanceId	A specific database instance ID	Enter a specific database instance ID, such as cynosdbmysql-ins-12ab34cd

Input Parameters

To query the monitoring data of TencentDB for CynosDB, use the following input parameters:
&Namespace=QCE/CYNOSDB_MYSQL
&Instances.N.Dimensions.0.Name=InstanceId
&Instances.N.Dimensions.0.Value=

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TencentDB for TcaplusDB Monitoring Metrics

Last updated：2021-10-29 12:05:52

Namespace

Namespace=QCE/TCAPLUS

Monitoring Metrics

Parameter	Metric	Description	Unit	Dimension
Avgerror	Average error rate	Average error proportion of table operations	%	TableInstanceId, ClusterId
Writelatency	Average write latency	Average data write latency	Microsecond	TableInstanceId, ClusterId
Comerror	Common error rate	Error proportion of common table operations	%	TableInstanceId, ClusterId
Readlatency	Average read latency	Average data read latency	Microsecond	TableInstanceId, ClusterId
Volume	Storage volume	Storage volume used by tables	KB	TableInstanceId, ClusterId
Syserror	System error rate	System error proportion	%	TableInstanceId, ClusterId
Writecu	Actual write capacity units	Actual write capacity units for tables	Units/sec	TableInstanceId, ClusterId
Readcu	Actual read capacity units	Actual read capacity units for tables	Units/sec	TableInstanceId, ClusterId

Note：
The statistical granularity (`period`) may vary by metric. The DescribeBaseMetrics API can be used to get the `period` values supported by each metric.

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Overview of Parameters in Each Dimension

Parameter	Dimension	Dimension Description	Format
Instances.N.Dimensions.0.Name	TableInstanceId	Database instance ID dimension name	Enter a string-type dimension name: TableInstanceId
Instances.N.Dimensions.0.Value	TableInstanceId	Specific database instance ID	Enter a specific database instance ID, such as `tcaplus-123abc456`
Instances.N.Dimensions.1.Name	ClusterId	Cluster ID dimension name	Enter a string-type dimension name: clusterId
Instances.N.Dimensions.1.Value	ClusterId	Specific cluster ID	Enter a specific cluster ID, such as `clus-12345`

Input Parameter Description

To query the monitoring data of TcaplusDB, set the following input parameters:

&Namespace=QCE/TCAPLUS

&Instances.N.Dimensions.0.Name=TableInstanceId

&Instances.N.Dimensions.0.Value=Specific database ID

&Instances.N.Dimensions.1.Name=ClusterId

&Instances.N.Dimensions.1.Value=Specific cluster ID

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TencentDB for MariaDB Monitoring Metrics

Node

Last updated：2021-11-08 16:29:31

Namespace

Namespace=QCE/MARIADB

Monitoring Metrics

Metric	Meaning	Description	Unit	Dimension	Statistical Periods
ActiveThreadCountNode	Number of active threads	Number of active threads in the thread pool of the node	Threads	InstanceId, NodeId	60s, 300s, 3600s, 86400s
BinlogDiskAvailableNode	Available binlog disk space	Available binlog disk space in the node	GB	InstanceId, NodeId	60s, 300s, 3600s, 86400s
BinlogUsedDiskNode	Used binlog disk space	Used binlog disk space in the node	GB	InstanceId, NodeId	60s, 300s, 3600s, 86400s
ConnUsageRateNode	Connection utilization	Connection usage in the node, whose value is ThreadsConnected/ConnMax.	%	InstanceId, NodeId	60s, 300s, 3600s, 86400s
CpuUsageRateNode	CPU usage	CPU usage of the node	%	InstanceId, NodeId	60s, 300s, 3600s, 86400s
DataDisk	Available data disk	Available data disk	GB	InstanceId,	60s,

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AvailableNode	space	space in the node		NodeId	300s, 3600s, 86400s
DataDisk UsedRateNode	Data disk usage	Data disk usage in the node	%	InstanceId, NodeId	60s, 300s, 3600s, 86400s
DeleteTotalNode	Number of DELETE queries	Number of DELETE queries executed in the node	Queries/sec	InstanceId, NodeId	60s, 300s, 3600s, 86400s
IOUsageRateNode	IO usage	IO usage of the node	%	InstanceId, NodeId	60s, 300s, 3600s, 86400s
InnodbBuffer PoolReadsNode	Number of InnoDB disk page reads	Number of InnoDB disk page reads in the node	Times	InstanceId, NodeId	60s, 300s, 3600s, 86400s
InnodbBufferPool ReadAheadNode	Page read-ahead count of the InnoDB buffer pool	Number of read-aheads in the InnoDB buffer pool of the node	Times	InstanceId, NodeId	60s, 300s, 3600s, 86400s
InnodbBufferPool ReadRequestsNode	Page read count of the InnoDB buffer pool	Number of page reads in the InnoDB buffer pool of the node	Times	InstanceId, NodeId	60s, 300s, 3600s, 86400s
InnodbRows DeletedNode	Number of rows deleted by InnoDB	Number of rows deleted by InnoDB in the node	Rows	InstanceId, NodeId	60s, 300s, 3600s, 86400s
InnodbRows InsertedNode	Number of rows inserted by InnoDB	Number of rows inserted by InnoDB in the node	Rows	InstanceId, NodeId	60s, 300s, 3600s, 86400s
InnodbRows ReadNode	Number of rows read by InnoDB	Number of rows read by InnoDB in the node	Rows	InstanceId, NodeId	60s, 300s,

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					3600s, 86400s
InnodbRows UpdatedNode	Number of rows updated by InnoDB	Number of rows updated by InnoDB in the node	Rows	InstanceId, NodeId	60s, 300s, 3600s, 86400s
InsertTotalNode	Number of INSERT queries	Number of INSERT queries executed in the node	Queries/sec	InstanceId, NodeId	60s, 300s, 3600s, 86400s
LongQuery CountNode	Slow queries	Number of slow queries in the node	Queries	InstanceId, NodeId	60s, 300s, 3600s, 86400s
MemAvailableNode	Available memory	Available memory in the node	GB	InstanceId, NodeId	60s, 300s, 3600s, 86400s
MemHitRateNode	Cache hit ratio	Cache hit ratio in the node	%	InstanceId, NodeId	60s, 300s, 3600s, 86400s
ReplaceSelect TotalNode	Number of REPLACE_SELECT queries	Number of REPLACE_SELECT queries executed in the node	Queries/sec	InstanceId, NodeId	60s, 300s, 3600s, 86400s
ReplaceTotalNode	Number of REPLACE queries	Number of REPLACE queries executed in the node	Queries/sec	InstanceId, NodeId	60s, 300s, 3600s, 86400s
RequestTotalNode	Total number of requests	Total number of requests executed in the node	Queries/sec	InstanceId, NodeId	60s, 300s, 3600s, 86400s
SelectTotalNode	Number of SELECT queries	Number of SELECT queries	Queries/sec	InstanceId, NodeId	60s, 300s,

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		executed in the node			3600s, 86400s
SlaveDelayNode	Primary-replica synchronization delay	Primary-replica synchronization delay of the node	Sec	InstanceId, NodeId	60s, 300s, 3600s, 86400s
UpdateTotalNode	Number of UPDATE queries	Number of UPDATE queries executed in the node	Queries/sec	InstanceId, NodeId	60s, 300s, 3600s, 86400s
Threads ConnectedNode	Number of threads currently connected	Number of threads currently connected, which is the number of sessions obtained using the SHOW PROCESSLIST statement	Threads	InstanceId, NodeId	60s, 300s, 3600s, 86400s
ConnMaxNode	Maximum number of connections	Maximum number of connections allowed by the node	Connections	InstanceId, NodeId	60s, 300s, 3600s, 86400s
IsMaster	Whether the node is a primary database	Whether the node is a primary database	-	InstanceId, NodeId	60s

Note：
Statistical periods (Period) may vary from metric to metric. You can get the periods different metrics support by calling the `DescribeBaseMetrics` API.

Dimensions and Parameters

Parameter Name	Dimension Name	Dimension Description	Format

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Parameter Name	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.0.Name	InstanceId	Dimension name of the instance	Enter a string-type dimension name: InstanceId.
Instances.N.Dimensions.0.Value	InstanceId	Instance ID	Enter an instance ID, e.g., tdsql-9kjauqq1.
Instances.N.Dimensions.0.Name	NodeId	Dimension name of the node	Enter a string-type dimension name: NodeId.
Instances.N.Dimensions.0.Value	NodeId	Node ID	Enter a node ID, e.g., 877adc0ada3e.

Input Parameters

To query the node-level monitoring metrics of TencentDB for MariaDB, use the following input parameters:

&Namespace=QCE/MARIADB

&Instances.N.Dimensions.0.Name= InstanceId

&Instances.N.Dimensions.0.Value=Instance ID

&Instances.N.Dimensions.1.Name=NodeId

&Instances.N.Dimensions.1.Value=Node ID

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Instance

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Namespace

Namespace=QCE/MARIADB

Monitoring Metrics

Metric	Meaning	Description	Unit	Dimension	Statistical Periods
ActiveThreadCount	Number of active threads	Instance-level metric, which is the sum of active threads in the thread pools of the primary and replica nodes	Threads	InstanceId	60s, 300s, 3600s, 86400s
BinlogDiskAvailable	Available binlog disk space	Instance-level metric, whose value is the smallest available binlog disk space in the instance's primary and replica nodes	GB	InstanceId	60s, 300s, 3600s, 86400s
BinlogUsedDisk	Used binlog disk space	Instance-level metric, whose value is the binlog disk space used in the instance's primary node	GB	InstanceId	60s, 300s, 3600s, 86400s

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Metric	Meaning	Description	Unit	Dimension	Statistical Periods
ConnUsageRate	Connection usage	Instance-level metric, whose value is the highest connection usage among the instance's primary and replica nodes	%	InstanceId	60s, 300s, 3600s, 86400s
CpuUsageRate	CPU usage	Instance-level metric, whose value is the CPU usage of the instance's primary node	%	InstanceId	60s, 300s, 3600s, 86400s
DataDiskAvailable	Available data disk space	Instance-level metric, whose value is the available data disk space in the instance's primary node	GB	InstanceId	60s, 300s, 3600s, 86400s
DataDiskUsedRate	Data disk usage	Instance-level metric, whose value is that of the `DataDiskUsedRateNode` metric of the instance's primary node	%	InstanceId	60s, 300s, 3600s, 86400s
DeleteTotal	Number of DELETE queries	Instance-level metric, whose value is the number of DELETE queries executed in the instance's primary node	Queries/sec	InstanceId	60s, 300s, 3600s, 86400s

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Metric	Meaning	Description	Unit	Dimension	Statistical Periods
IOUsageRate	IO usage	Instance-level metric, whose value is the IO usage of the instance's primary node	%	InstanceId	60s, 300s, 3600s, 86400s
InnodbBufferPoolReads	Number of InnoDB disk page reads	Instance-level metric, which is the sum of InnoDB disk page reads in the instance's primary and replica nodes	Times	InstanceId	60s, 300s, 3600s, 86400s
InnodbBufferPoolReadAhead	Page read-ahead count of the InnoDB buffer pool	Instance-level metric, which is the sum of page read-aheads in the InnoDB buffer pool in the instance's primary and replica nodes	Times	InstanceId	60s, 300s, 3600s, 86400s
InnodbBufferPoolReadRequests	Page read count of the InnoDB buffer pool	Instance-level metric, which is the sum of page reads in the InnoDB buffer pool in the instance's primary and replica nodes	Times	InstanceId	60s, 300s, 3600s, 86400s
InnodbRowsDeleted	Number of rows deleted by InnoDB	Instance-level metric, whose value is the number of rows deleted by InnoDB in the instance's primary node	Row	InstanceId	60s, 300s, 3600s, 86400s

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Metric	Meaning	Description	Unit	Dimension	Statistical Periods
InnodbRowsInserted	Number of rows inserted by InnoDB	Instance-level metric, whose value is the number of rows inserted by InnoDB in the instance's primary node	Rows	InstanceId	60s, 300s, 3600s, 86400s
InnodbRowsRead	Number of rows read by InnoDB	Instance-level metric, which is the sum of rows read by InnoDB in the instance's primary and replica nodes	Rows	InstanceId	60s, 300s, 3600s, 86400s
InnodbRowsUpdated	Number of rows updated by InnoDB	Instance-level metric, whose value is the number of rows updated by InnoDB in the instance's primary node	Rows	InstanceId	60s, 300s, 3600s, 86400s
InsertTotal	Number of INSERT queries	Instance-level metric, whose value is the number of INSERT queries executed in the instance's primary node	Queries/sec	InstanceId	60s, 300s, 3600s, 86400s
LongQueryCount	Number of slow queries	Instance-level metric, whose value is the number of slow queries executed in the instance's primary node	Queries	InstanceId	60s, 300s, 3600s, 86400s

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Metric	Meaning	Description	Unit	Dimension	Statistical Periods
MemAvailable	Available memory	Instance-level metric, whose value is the available memory in the instance's primary node	GB	InstanceId	60s, 300s, 3600s, 86400s
MemHitRate	Cache hit ratio	Instance-level metric, whose value is the cache hit ratio in the instance's primary node	%	InstanceId	60s, 300s, 3600s, 86400s
ReplaceSelectTotal	Number of REPLACE_SELECT queries	Instance-level metric, whose value is the number of REPLACE-SELECT queries executed in the instance's primary node	Queries/sec	InstanceId	60s, 300s, 3600s, 86400s
ReplaceTotal	Number of REPLACE queries	Instance-level metric, whose value is the number of REPLACE queries executed in the instance's primary node	Queries/sec	InstanceId	60s, 300s, 3600s, 86400s

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Metric	Meaning	Description	Unit	Dimension	Statistical Periods
RequestTotal	Total queries	Instance-level metric, whose value is the total number of queries executed in the instance's primary node plus the number of SELECT queries executed in the replica nodes	Queries/sec	InstanceId	60s, 300s, 3600s, 86400s
SelectTotal	Number of SELECT queries	Instance-level metric, which is the sum of SELECT queries executed in the instance's primary and replica nodes	Queries/sec	InstanceId	60s, 300s, 3600s, 86400s
SlaveDelay	Primary-replica synchronization delay	Instance-level metric, whose value is the shortest primary-replica synchronization delay among all the instance’s replica nodes	Sec	InstanceId	60s, 300s, 3600s, 86400s
UpdateTotal	Number of UPDATE queries	Instance-level metric, whose value is the number of UPDATE queries executed in the instance's primary node	Queries/sec	InstanceId	60s, 300s, 3600s, 86400s

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Metric	Meaning	Description	Unit	Dimension	Statistical Periods
ThreadsConnected	Number of threads currently connected	Instance-level metric, whose value is the sum of threads currently connected in the instance's primary and replica nodes	Threads	InstanceId	60s, 300s, 3600s, 86400s
ConnMax	Maximum number of connections	Instance-level metric, whose value is the sum of the maximum number of connections of the instance's primary and replica nodes	Connections	InstanceId	60s, 300s, 3600s, 86400s
ClientConnTotal	Number of client connections	Instance-level metric, which is the sum of connections in the instance's proxy. This metric represents the actual number of clients connected to the database instance.	Connections	InstanceId	60s, 300s, 3600s, 86400s
SQLTotal	Total number of SQL queries	Instance-level metric, which represents the number of SQL queries sent to the instance	Queries	InstanceId	60s, 300s, 3600s, 86400s
ErrorSQLTotal	SQL error count	Instance-level metric, which represents the number of queries with execution errors	Queries	InstanceId	60s, 300s, 3600s, 86400s

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Metric	Meaning	Description	Unit	Dimension	Statistical Periods
SuccessSQLTotal	Number of successful SQL queries	Instance-level metric, which represents the number of SQL queries executed successfully	Queries	InstanceId	60s, 300s, 3600s, 86400s
TimeRange0	Number of queries that take shorter than 5 ms to execute	Instance-level metric, which represents the number of queries that take shorter than 5 ms to execute	Queries/sec	InstanceId	60s, 300s, 3600s, 86400s
TimeRange1	Number of queries that take 5-20 ms to execute	Instance-level metric, which represents the number of queries that take 5-20 ms to execute	Queries/sec	InstanceId	60s, 300s, 3600s, 86400s
TimeRange2	Number of queries that take 20-30 ms to execute	Instance-level metric, which represents the number of queries that take 20-30 ms to execute	Queries/sec	InstanceId	60s, 300s, 3600s, 86400s
TimeRange3	Number of queries that take longer than 30 ms to execute	Instance-level metric, which represents the number of queries that take longer than 30 ms to execute	Queries/sec	InstanceId	60s, 300s, 3600s, 86400s
MasterSwitchedTotal	Number of primary node switchovers	Instance-level metric, which represents the number of times the primary node is switched	Times	InstanceId	60s, 300s, 3600s, 86400s

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Note：
Statistical periods (period) may vary from metric to metric. You can get the periods different metrics support by calling the `DescribeBaseMetrics` API.

Dimensions and Parameters

Parameter	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.0.Name	instanceId	Dimension name of the instance ID	Enter a string-type dimension name: `InstanceId`
Instances.N.Dimensions.0.Value	InstanceId	Instance ID	Enter an instance ID, e.g. `tdsql-9kjauqq1`

Input Parameters

To query the instance-level monitoring metrics of TencentDB for MariaDB, use the following input parameters:

&Namespace=QCE/MARIADB
&Instances.N.Dimensions.0.Name= `InstanceId`
&Instances.N.Dimensions.0.Value=ID of the instance

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TDSQL for MySQL Monitoring Metrics (Legacy)

Last updated：2023-07-12 11:52:36

Note：
TCOP will soon stop supporting the old monitoring metrics for TDSQL for MySQL. Please use the new metrics.

Namespace

Namespace=QCE/DCDB

Monitoring Metrics

Parameter	Meaning	Unit	Dimension
CpuUsageRate	CPU usage	%	uuid and shardId
MemHitRate	Cache hit ratio	%	uuid and shardId
DataDiskUsedRate	Disk space usage	%	uuid and shardId
MemAvailable	Available memory	GB	uuid and shardId
DataDiskAvailable	Available disk space	GB	uuid and shardId
BinlogUsedDisk	Used binlog disk space	GB	uuid and shardId
DiskIops	IO usage	%	uuid and shardId
ConnActive	Total connections	Connections/sec	uuid and shardId

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Parameter	Meaning	Unit	Dimension
ConnRunning	Active connections	Connections/sec	uuid and shardId
TotalOrigSql	Total SQL statement executions	Executions/sec	uuid and shardId
TotalErrorSql	Failed SQL statement executions	Executions/sec	uuid and shardId
TotalSuccessSql	Successful SQL statement executions	Executions/sec	uuid and shardId
LongQuery	Slow queries	Queries/sec	uuid and shardId
TimeRange0	Queries that take 1-5 ms to execute	Queries/sec	uuid and shardId
TimeRange1	Queries that take 5-20 ms to execute	Queries/sec	uuid and shardId
TimeRange2	Queries that take 20-30 ms to execute	Queries/sec	uuid and shardId
TimeRange3	Queries that take longer than 30 ms to execute	Queries/sec	uuid and shardId
RequestTotal	Total queries (QPS)	Queries/sec	uuid and shardId
SelectTotal	SELECT queries	Queries/sec	uuid and shardId
UpdateTotal	UPDATE queries	Queries/sec	uuid and shardId
InsertTotal	INSERT queries	Queries/sec	uuid and shardId
ReplaceTotal	REPLACE queries	Queries/sec	uuid and shardId
DeleteTotal	DELETE queries	Queries/sec	uuid and shardId

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Parameter	Meaning	Unit	Dimension
MasterSwitchedTotal	Master-slave switchovers	Times/sec	uuid and shardId
SlaveDelay	Master-slave synchronization delay	ms	uuid and shardId
InnodbBufferPoolReads	InnoDB disk reads	Times/sec	uuid and shardId
InnodbBufferPoolReadRequests	InnoDB buffer pool reads	Times/sec	uuid and shardId
InnodbBufferPoolReadAhead	InnoDB buffer pool read-aheads	Times/sec	uuid and shardId
InnodbRowsDeleted	Rows deleted by InnoDB	Rows/sec	uuid and shardId
InnodbRowsInserted	Rows inserted by InnoDB	Rows/sec	uuid and shardId
InnodbRowsRead	Rows read by InnoDB	Rows/sec	uuid and shardId
InnodbRowsUpdated	Rows updated by InnoDB	Rows/sec	uuid and shardId

Note：
The statistical period for the metrics of TDSQL for MySQL can be 60s or 300s. The exact statistical periods supported vary from metric to metric. You can get the periods different metrics support by calling the `DescribeBaseMetrics` API.

Dimensions and Parameters

Parameter	Dimension Name	Dimension Description	Format

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Parameter	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.0.Name	uuid	Dimension name for the database instance	Enter a string-type dimension name: `uuid`
Instances.N.Dimensions.0.Value	uuid	The instance's UUID	Enter an instance UUID, e.g., `tdsqlshard-12345678`
Instances.N.Dimensions.1.Name	shardId	Dimension name for an instance shard. You can pass in this parameter to query a shard's monitoring data. If it is not passed in, all monitoring data of the instance is queried.	Enter a string-type dimension name: `shardId` .
Instances.N.Dimensions.1.Value	shardId	An instance shard ID	Enter an instance shard ID, e.g., `shard-0mzlzl89` .

Input Parameters

To query the monitoring data of a TencentDB for TDSQL v3 instance, use the following input parameters:

&Namespace=QCE/DCDB

&Instances.N.Dimensions.0.Name=uuid

&Instances.N.Dimensions.0.Value=Specific instance uuid

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TDSQL for MySQL Monitoring Metrics

Node

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Namespace

Namespace=QCE/TDMYSQL

Monitoring Metrics

Metric	Meaning	Description	Unit	Dimension	Statistical Periods
ActiveThreadCountNode	Number of active threads	Number of active threads in the thread pool of the node	Threads	InstanceId, NodeId	60s, 300s, 3600s, 86400s
BinlogDiskAvailableNode	Available binlog disk space	Available binlog disk space in the node	GB	InstanceId, NodeId	60s, 300s, 3600s, 86400s
BinlogUsedDiskNode	Used binlog disk space	Used binlog disk space in the node	GB	InstanceId, NodeId	60s, 300s, 3600s, 86400s
ConnUsageRateNode	Connection usage	Connection usage in the node, whose value is ThreadsConnected/ConnMax.	%	InstanceId, NodeId	60s, 300s, 3600s, 86400s
CpuUsageRateNode	CPU usage	CPU usage of the node	%	InstanceId, NodeId	60s, 300s, 3600s, 86400s

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Metric	Meaning	Description	Unit	Dimension	Statistical Periods
DataDiskAvailableNode	Available data disk space	Available data disk space in the node	GB	InstanceId, NodeId	60s, 300s, 3600s, 86400s
DataDiskUsedRateNode	Data disk usage	Data disk usage in the node	%	InstanceId, NodeId	60s, 300s, 3600s, 86400s
DeleteTotalNode	Number of DELETE queries	Number of DELETE queries executed in the node	Queries/sec	InstanceId, NodeId	60s, 300s, 3600s, 86400s
IOUsageRateNode	IO usage	IO usage of the node	%	InstanceId, NodeId	60s, 300s, 3600s, 86400s
InnodbBufferPoolReadsNode	Number of InnoDB disk page reads	Number of InnoDB disk page reads in the node	Times	InstanceId, NodeId	60s, 300s, 3600s, 86400s
InnodbBufferPoolReadAheadNode	Page read-ahead count of the InnoDB buffer pool	Number of read-aheads in the InnoDB buffer pool of the node	Times	InstanceId, NodeId	60s, 300s, 3600s, 86400s
InnodbBufferPoolReadRequestsNode	Page read count of the InnoDB buffer pool	Number of page reads in the InnoDB buffer pool of the node	Times	InstanceId, NodeId	60s, 300s, 3600s, 86400s
InnodbRowsDeletedNode	Number of rows deleted by InnoDB	Number of rows deleted by InnoDB in the node	Rows	InstanceId, NodeId	60s, 300s, 3600s, 86400s

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Metric	Meaning	Description	Unit	Dimension	Statistical Periods
InnodbRows InsertedNode	Number of rows inserted by InnoDB	Number of rows inserted by InnoDB in the node	Rows	InstanceId, NodeId	60s, 300s, 3600s, 86400s
InnodbRowsRead Node	Number of rows read by InnoDB	Number of rows read by InnoDB in the node	Rows	InstanceId, NodeId	60s, 300s, 3600s, 86400s
InnodbRows UpdatedNode	Number of rows updated by InnoDB	Number of rows updated by InnoDB in the node	Rows	InstanceId, NodeId	60s, 300s, 3600s, 86400s
InsertTotalNode	Number of INSERT queries	Number of INSERT queries executed in the node	Queries/sec	InstanceId, NodeId	60s, 300s, 3600s, 86400s
LongQueryCountNode	Slow queries	Number of slow queries in the node	Queries	InstanceId, NodeId	60s, 300s, 3600s, 86400s
MemAvailableNode	Available memory	Available memory in the node	GB	InstanceId, NodeId	60s, 300s, 3600s, 86400s
MemHitRateNode	Cache hit ratio	Cache hit ratio in the node	%	InstanceId, NodeId	60s, 300s, 3600s, 86400s
ReplaceSelect TotalNode	Number of REPLACE_SELECT queries	Number of REPLACE_SELECT queries executed in the node	Queries/sec	InstanceId, NodeId	60s, 300s, 3600s, 86400s

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Metric	Meaning	Description	Unit	Dimension	Statistical Periods
ReplaceTotalNode	Number of REPLACE queries	Number of REPLACE queries executed in the node	Queries/sec	InstanceId, NodeId	60s, 300s, 3600s, 86400s
RequestTotalNode	Total number of requests	Total number of requests executed in the node	Queries/sec	InstanceId, NodeId	60s, 300s, 3600s, 86400s
SelectTotalNode	Number of SELECT queries	Number of SELECT queries executed in the node	Queries/sec	InstanceId, NodeId	60s, 300s, 3600s, 86400s
SlaveDelayNode	Primary-replica synchronization delay	Primary-replica synchronization delay of the node	Sec	InstanceId, NodeId	60s, 300s, 3600s, 86400s
UpdateTotalNode	Number of UPDATE queries	Number of UPDATE queries executed in the node	Queries/sec	InstanceId, NodeId	60s, 300s, 3600s, 86400s
Threads ConnectedNode	Number of threads currently connected	Number of threads currently connected, which is the number of sessions obtained using the SHOW PROCESSLIST statement	Threads	InstanceId, NodeId	60s, 300s, 3600s, 86400s
ConnMaxNode	Maximum number of connections	Maximum number of connections allowed by the node	Connections	InstanceId, NodeId	60s, 300s, 3600s, 86400s
IsMaster	Whether the node is a primary database	Whether the node is a primary database	-	InstanceId, NodeId	60s

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Note：
Statistical periods (Period) may vary from metric to metric. You can get the periods different metrics support by calling the `DescribeBaseMetrics` API.

Dimensions and Parameters

Parameter	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.0.Name	InstanceId	Dimension name of the instance	Enter a string-type dimension name: `InstanceId`
Instances.N.Dimensions.0.Value	InstanceId	Instance ID	Enter an instance ID, e.g. `tdsqlshard-9kjauqq1`
Instances.N.Dimensions.1.Name	NodeId	Dimension name of the node	Enter a string-type dimension name, e.g., `NodeId` .
Instances.N.Dimensions.1.Value	NodeId	Node ID	Enter a node ID, e.g., `877adc0ada3e` .

Input Parameters

To query the node-level monitoring metrics of TDSQL for MySQL, use the following input parameters:

&Namespace=QCE/TDMYSQL
&Instances.N.Dimensions.0.Name=InstanceId
&Instances.N.Dimensions.0.Value=Instance ID
&Instances.N.Dimensions.1.Name=NodeId
&Instances.N.Dimensions.1.Value=Node ID

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Instance

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Namespace

Namespace=QCE/TDMYSQL

Monitoring Metrics

Metric	Meaning	Description	Unit	Dimension	Statistical Periods
ActiveThreadCount	Number of active threads	Instance-level metric, which is the sum of active threads in all the shards' primary and replica nodes	Threads	InstanceId	60s, 300s, 3600s, 86400s
BinlogDiskAvailable	Available binlog disk space	Instance-level metric, which is the sum of the value of `BinlogDiskAvailableShard` in all the shards	GB	InstanceId	60s, 300s, 3600s, 86400s
BinlogUsedDisk	Used binlog disk space	Instance-level metric, whose value is the sum of binlog disk space used in all the shards' primary nodes	GB	InstanceId	60s, 300s, 3600s, 86400s

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Metric	Meaning	Description	Unit	Dimension	Statistical Periods
ConnUsageRate	Connection usage	Instance-level metric, whose value is the highest connection usage among all the shards' primary and replica nodes	%	InstanceId	60s, 300s, 3600s, 86400s
CpuUsageRate	CPU usage	Instance-level metric, whose value is the highest CPU usage in all the shards' primary nodes	%	InstanceId	60s, 300s, 3600s, 86400s
DataDiskAvailable	Available data disk space	Instance-level metric, which is the sum of the available data disk space in all the shards' primary nodes	GB	InstanceId	60s, 300s, 3600s, 86400s
DataDiskUsedRate	Data disk usage	Instance-level metric, whose value is the highest data disk usage in all the shards' primary nodes	%	InstanceId	60s, 300s, 3600s, 86400s
DeleteTotal	Number of DELETE queries	Instance-level metric, which is the sum of DELETE queries executed in all the shards' primary nodes	Queries/sec	InstanceId	60s, 300s, 3600s, 86400s

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Metric	Meaning	Description	Unit	Dimension	Statistical Periods
InnodbBufferPoolReads	Number of InnoDB disk page reads	Instance-level metric, which is the sum of InnoDB disk page reads in all the shards' primary and replica nodes	Times	InstanceId	60s, 300s, 3600s, 86400s
InnodbBufferPoolReadAhead	Page read-ahead count of the InnoDB buffer pool	Instance-level metric, which is the sum of page read-aheads in the InnoDB buffer pool in all the shards' primary and replica nodes	Times	InstanceId	60s, 300s, 3600s, 86400s
InnodbBufferPoolReadRequests	Page read count of the InnoDB buffer pool	Instance-level metric, which is the sum of page reads in the InnoDB buffer pool in the instance's primary and replica nodes	Times	InstanceId	60s, 300s, 3600s, 86400s
InnodbRowsDeleted	Number of rows deleted by InnoDB	Instance-level metric, which is the sum of rows deleted by InnoDB in all the shards' primary nodes	Rows	InstanceId	60s, 300s, 3600s, 86400s
InnodbRowsInserted	Number of rows inserted by InnoDB	Instance-level metric, which is the sum of rows inserted by InnoDB in all the shards' primary nodes	Rows	InstanceId	60s, 300s, 3600s, 86400s

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Metric	Meaning	Description	Unit	Dimension	Statistical Periods
InnodbRowsRead	Number of rows read by InnoDB	Instance-level metric, which is the sum of rows read by InnoDB in all the shards' primary and replica nodes	Rows	InstanceId	60s, 300s, 3600s, 86400s
InnodbRowsUpdated	Number of rows updated by InnoDB	Instance-level metric, which is the sum of rows updated by InnoDB in all the shards' primary nodes	Rows	InstanceId	60s, 300s, 3600s, 86400s
InsertTotal	Number of INSERT queries	Instance-level metric, which is the sum of INSERT queries executed in all the shards' primary nodes	Queries/sec	InstanceId	60s, 300s, 3600s, 86400s
LongQueryCount	Slow queries	Instance-level metric, which is the sum of slow queries executed in all the shards' primary nodes	Queries	InstanceId	60s, 300s, 3600s, 86400s
MemAvailable	Available memory	Instance-level metric, which is the sum of available memory in all the shards' primary nodes	GB	InstanceId	60s, 300s, 3600s, 86400s

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Metric	Meaning	Description	Unit	Dimension	Statistical Periods
MemHitRate	Cache hit ratio	Instance-level metric, whose value is the lowest cache hit ratio in all the shards' primary nodes	%	InstanceId	60s, 300s, 3600s, 86400s
ReplaceSelectTotal	Number of REPLACE_SELECT queries	Instance-level metric, which is the sum of REPLACE-SELECT queries executed in all the shards' primary nodes	Queries/sec	InstanceId	60s, 300s, 3600s, 86400s
ReplaceTotal	Number of REPLACE queries	Instance-level metric, which is the sum of REPLACE queries executed in all the shards' primary nodes	Queries/sec	InstanceId	60s, 300s, 3600s, 86400s
RequestTotal	Total requests	Instance-level metric, which is the total number of queries executed in the instance's primary node plus the number of SELECT queries executed in the replica nodes	Queries/sec	InstanceId	60s, 300s, 3600s, 86400s
SelectTotal	Number of SELECT queries	Instance-level metric, which is the sum of SELECT queries executed in all the shards' primary and replica nodes	Queries/sec	InstanceId	60s, 300s, 3600s, 86400s

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Metric	Meaning	Description	Unit	Dimension	Statistical Periods
SlaveDelay	Primary-replica synchronization delay	Instance-level metric. Instance-level synchronization delay is the delay of whichever shard has the longest delay, and shard-level synchronization delay is the shortest delay among the shard's all replica nodes.	Sec	InstanceId	60s, 300s, 3600s, 86400s
UpdateTotal	Number of UPDATE queries	Instance-level metric, which is the sum of UPDATE queries executed in all the shards' primary nodes	Queries/sec	InstanceId	60s, 300s, 3600s, 86400s
ThreadsConnected	Number of threads currently connected	Instance-level metric, which is the sum of threads currently connected in all the shards' primary and replica nodes	Threads	InstanceId	60s, 300s, 3600s, 86400s
ConnMax	Maximum connections	Instance-level metric, which is the sum of the maximum number of connections of all the shards' primary and replica nodes	Connections	InstanceId	60s, 300s, 3600s, 86400s

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Metric	Meaning	Description	Unit	Dimension	Statistical Periods
ClientConnTotal	Number of client connections	Instance-level metric, which is the sum of connections in the instance's proxy. This metric represents the actual number of clients connected to the database instance.	Connections	InstanceId	60s, 300s, 3600s, 86400s
SQLTotal	Total number of SQL queries	Instance-level metric, which represents the number of SQL queries sent to the instance	Queries	InstanceId	60s, 300s, 3600s, 86400s
ErrorSQLTotal	SQL error count	Instance-level metric, which represents the number of queries with execution errors	Queries	InstanceId	60s, 300s, 3600s, 86400s
SuccessSQLTotal	Number of successful SQL queries	Instance-level metric, which represents the number of SQL queries executed successfully	Queries	InstanceId	60s, 300s, 3600s, 86400s
TimeRange0	Number of queries that take shorter than 5 ms to execute	Instance-level metric, which represents the number of queries that take shorter than 5 ms to execute	Queries/sec	InstanceId	60s, 300s, 3600s, 86400s

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Metric	Meaning	Description	Unit	Dimension	Statistical Periods
TimeRange1	Number of queries that take 5-20 ms to execute	Instance-level metric, which represents the number of queries that take 5-20 ms to execute	Queries/sec	InstanceId	60s, 300s, 3600s, 86400s
TimeRange2	Number of queries that take 20-30 ms to execute	Instance-level metric, which represents the number of queries that take 20-30 ms to execute	Queries/sec	InstanceId	60s, 300s, 3600s, 86400s
TimeRange3	Number of queries that take longer than 30 ms to execute	Instance-level metric, which represents the number of queries that take longer than 30 ms to execute	Queries/sec	InstanceId	60s, 300s, 3600s, 86400s
MasterSwitchedTotal	Number of primary node switchovers	Instance-level metric, which represents the number of times the primary node is switched	Times	InstanceId	60s, 300s, 3600s, 86400s
IOUsageRate	IO usage	Instance-level metric, whose value is the highest IO usage in all the shards' primary nodes	%	InstanceId	60s, 300s, 3600s, 86400s

Note：
Statistical periods (period) may vary from metric to metric. You can get the periods different metrics support by calling the `DescribeBaseMetrics` API.

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Dimensions and Parameters

Parameter	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.0.Name	instanceId	Dimension name of the instance ID	Enter a string-type dimension name: `InstanceId`
Instances.N.Dimensions.0.Value	InstanceId	Instance ID	Enter an instance ID, e.g. `tdsqlshard-9kjauqq1`

Input Parameters

To query the instance-level monitoring metrics of TDSQL for MySQL, use the following input parameters:

&Namespace=QCE/TDMYSQL

&Instances.N.Dimensions.0.Name=InstanceId

&Instances.N.Dimensions.0.Value=ID of the instance

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Shard

Last updated：2021-04-23 10:11:44

Namespace

Namespace=QCE/TDMYSQL

Monitoring Metrics

Metric	Meaning	Description	Unit	Dimension	Statistical Periods
CpuUsageRateShard	CPU usage	Shard-level metric, whose value is the CPU usage of the shard's primary node	%	InstanceId, ShardId	60s, 300s, 3600s, 86400s
DataDiskAvailableShard	Available data disk space	Shard-level metric, whose value is the available data disk space in the shard's primary node	GB	InstanceId, ShardId	60s, 300s, 3600s, 86400s
DataDiskUsedRateShard	Data disk usage	Shard-level metric, whose value is the data disk space usage in the shard's primary node	%	InstanceId, ShardId	60s, 300s, 3600s, 86400s
DeleteTotalShard	Number of DELETE queries	Shard-level metric, whose value is the number of DELETE queries in the shard's primary node	Queries/sec	InstanceId, ShardId	60s, 300s, 3600s, 86400s

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Metric	Meaning	Description	Unit	Dimension	Statistical Periods
IOUsageRateShard	IO usage	Shard-level metric, whose value is the IO usage of the shard's primary node	%	InstanceId, ShardId	60s, 300s, 3600s, 86400s
InnodbBufferPoolReadsShard	Number of InnoDB disk page reads	Shard-level metric, which is the sum of InnoDB disk page reads in the shard's primary and replica nodes	Times	InstanceId, ShardId	60s, 300s, 3600s, 86400s
InnodbBufferPoolReadAheadShard	Page read-ahead count of the InnoDB buffer pool	Shard-level metric, which is the sum of page read-aheads in the InnoDB buffer pool in the shard's primary and replica nodes	Times	InstanceId, ShardId	60s, 300s, 3600s, 86400s
InnodbBufferPoolReadRequestsShard	Page read count of the InnoDB buffer pool	Shard-level metric, which is the sum of page reads in the InnoDB buffer pool in the shard's primary and replica nodes	Times	InstanceId, ShardId	60s, 300s, 3600s, 86400s
InnodbRowsDeletedShard	Number of rows deleted by InnoDB	Shard-level metric, whose value is the number of rows deleted by InnoDB in the shard's primary node	Rows	InstanceId, ShardId	60s, 300s, 3600s, 86400s
InnodbRowsInsertedShard	Number of rows inserted by InnoDB	Shard-level metric, whose value is the number of rows inserted by InnoDB in the shard's primary node	Rows	InstanceId, ShardId	60s, 300s, 3600s, 86400s

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Metric	Meaning	Description	Unit	Dimension	Statistical Periods
InnodbRowsReadShard	Number of rows read by InnoDB	Shard-level metric, which is the sum of rows read by InnoDB in the shard's primary and replica nodes	Rows	InstanceId, ShardId	60s, 300s, 3600s, 86400s
InnodbRowsUpdatedShard	Number of rows updated by InnoDB	Shard-level metric, whose value is the number of rows updated by InnoDB in the shard's primary node	Rows	InstanceId, ShardId	60s, 300s, 3600s, 86400s
InsertTotalShard	Number of INSERT queries	Shard-level metric, whose value is the number of INSERT queries executed in the shard's primary node	Queries/sec	InstanceId, ShardId	60s, 300s, 3600s, 86400s
LongQueryCountShard	Slow queries	Shard-level metric, whose value is the number of slow queries in the shard's primary node	Queries	InstanceId, ShardId	60s, 300s, 3600s, 86400s
MasterSwitchedTotalShard	Number of primary node switchovers	Shard-level metric, which represents the number of times the primary node is switched in the shard	Times	InstanceId, ShardId	60s, 300s, 3600s, 86400s
MemAvailableShard	Available memory	Shard-level metric, whose value is the available memory in the shard's primary node	GB	InstanceId, ShardId	60s, 300s, 3600s, 86400s

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Metric	Meaning	Description	Unit	Dimension	Statistical Periods
MemHitRateShard	Cache hit ratio	Shard-level metric, whose value is the cache hit ratio of the shard's primary node	%	InstanceId, ShardId	60s, 300s, 3600s, 86400s
ReplaceSelectTotalShard	Number of REPLACE_SELECT queries	Shard-level metric, whose value is the number of REPLACE_SELECT queries executed in the shard's primary node	Queries/sec	InstanceId, ShardId	60s, 300s, 3600s, 86400s
ReplaceTotalShard	Number of REPLACE queries	Shard-level metric, whose value is the number of REPLACE queries executed in the shard's primary node	Queries/sec	InstanceId, ShardId	60s, 300s, 3600s, 86400s
RequestTotalShard	Total number of queries	Shard-level metric, which is the total number of queries executed in the shard's primary node plus the number of SELECT queries executed in the replica nodes	Queries/sec	InstanceId, ShardId	60s, 300s, 3600s, 86400s
SelectTotalShard	Number of SELECT queries	Shard-level metric, which is the sum of SELECT queries executed in the shard's primary and replica nodes	Queries/sec	InstanceId, ShardId	60s, 300s, 3600s, 86400s

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Metric	Meaning	Description	Unit	Dimension	Statistical Periods
SlaveDelayShard	Primary-replica synchronization delay	Shard-level metric, whose value is the shortest primary-replica synchronization delay among the shard's replica nodes	Sec	InstanceId, ShardId	60s, 300s, 3600s, 86400s
ThreadsConnected Shard	Number of threads currently connected	Shard-level metric, which is the sum of threads connected in the shard's primary and replica nodes	Threads	InstanceId, ShardId	60s, 300s, 3600s, 86400s
UpdateTotalShard	Number of UPDATE queries	Shard-level metric, whose value is the number of UPDATE queries executed in the shard's primary node	Queries/sec	InstanceId, ShardId	60s, 300s, 3600s, 86400s
ActiveThreadCountShard	Number of active threads	Shard-level metric, which is the sum of active threads in the shard's primary and replica nodes	Threads	InstanceId, ShardId	60s, 300s, 3600s, 86400s
BinlogDiskAvailableShard	Available binlog disk space	Shard-level metric, whose value is the smallest available binlog disk space among the shard's primary and replica nodes	GB	InstanceId, ShardId	60s, 300s, 3600s, 86400s

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Metric	Meaning	Description	Unit	Dimension	Statistical Periods
BinlogUsedDiskShard	Used binlog disk space	Shard-level metric, whose value is the binlog disk space used in the shard's primary node	GB	InstanceId, ShardId	60s, 300s, 3600s, 86400s
ConnMaxShard	Maximum number of connections	Shard-level metric, whose value is the sum of the maximum number of connections of the shard's primary and replica nodes	Connections	InstanceId, ShardId	60s, 300s, 3600s, 86400s
ConnUsageRateShard	Connection usage	Shard-level metric, whose value is the highest connection usage among the shard's primary and replica nodes	%	InstanceId, ShardId	60s, 300s, 3600s, 86400s

Note：

Statistical periods (period) may vary from metric to metric. You can get the periods different metrics support by calling the `DescribeBaseMetrics` API.

Dimension and Parameters

Parameter	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.0.Name	InstanceId	Dimension name of the instance	Enter a string-type dimension name: `InstanceId`
Instances.N.Dimensions.0.Value	InstanceId	Instance ID	Enter an instance ID, e.g. `tdsqlshard-9kjauqq1`
Instances.N.Dimensions.1.Name	ShardId	Dimension name of the shard	Enter a string-type dimension name: `ShardId`

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Instances.N.Dimensions.1.Value	ShardId	Shard ID	Enter a shard ID, e.g., `shard-i6f4sf12` .

Input Parameters

To query the shard-level monitoring metrics of TDSQL for MySQL, use the following input parameters:

&Namespace=QCE/TDMYSQL

&Instances.N.Dimensions.0.Name=InstanceId

&Instances.N.Dimensions.0.Value=Instance ID

&Instances.N.Dimensions.1.Name=ShardId

&Instances.N.Dimensions.1.Value=Shard ID

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SCF

Last updated：2021-06-08 16:21:39

Namespace

Namespace=QCE/SCF_V2

Monitoring Metrics

Metric	Meaning	Description	Unit	Dimension
Duration	Running duration	Average function running duration calculated by 1-minute or 5-minute granularity	ms	functionName, version, namspace, and alias
Invocation	Number of calls	Total number of function calls calculated by 1-minute or 5-minute granularity	-	functionName, version, namspace, and alias
Error	Number of call errors	Number of error requests generated after the function is executed, which is the sum of function errors and platform errors calculated by 1-minute or 5-minute granularity	-	functionName, version, namspace, and alias
ConcurrentExecutions	Concurrent executions	Maximum number of requests processed concurrently at the same point in time, which is calculated by 1-minute or 5-minute granularity	-	functionName, version, namspace, and alias
ConfigMem	Configure memory capacity	Configure memory capacity	MB	functionName, version, namspace, and alias
FunctionErrorPercentage	Function error rate	Function error rate	%	functionName, version, namspace, and alias

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Metric	Meaning	Description	Unit	Dimension
Http2xx	Successful calls	Number of successful calls	-	functionName, version, namspace, and alias
Http432	Resource limit exceeded	Number of times that resource limit is exceeded	-	functionName, version, namspace, and alias
Http433	Function execution timeout	Number of times that function execution times out	-	functionName, version, namspace, and alias
Http434	Memory limit exceeded	Number of times that memory limit is exceeded	-	functionName, version, namspace, and alias
Http4xx	Function errors	Number of function errors	-	functionName, version, namspace, and alias
Mem	Running memory capacity	Maximum memory capacity used during function execution, which is calculated by 1-minute or 5-minute granularity	MB	functionName, version, namspace, and alias
MemDuration	Time memory capacity	Resource usage as the function running duration multiplied by memory capacity required for running the function, which is calculated by 1-minute or 5-minute granularity	MB/ms	-
OutFlow	Outbound traffic	Outbound traffic for accessing external network resources within the function, which is calculated by 1-minute or 5-minute granularity	-	functionName, version, namspace, and alias

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Metric	Meaning	Description	Unit	Dimension
ServerErrorPercentage	Platform error rate	Platform error rate	%	functionName, version, namspace, and alias
Syserr	System internal errors	Number of system internal errors	-	functionName, version, namspace, and alias
Throttle	Function execution throttles	Number of times that function execution is throttled, which is calculated by 1-minute or 5-minute granularity	-	functionName, version, namspace, and alias

Note：
The statistical granularity (`period`) may vary by metrics. To obtain the statistical granularity supported by each metric, call DescribeBaseMetrics.

Overview of parameters in each dimension

Parameter	Dimension	Dimension Description	Format
Instances.N.Dimensions.0.Name	functionName	Dimension name of cloud function	Enter a string-type dimension name, such as functionName
Instances.N.Dimensions.0.Value	functionName	A specific cloud function name	Enter a specific function name, such as test
Instances.N.Dimensions.1.Name	namespace	Dimension name of cloud function namespace	Enter a string-type dimension name, such as namspace

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Parameter	Dimension	Dimension Description	Format
Instances.N.Dimensions.1.Value	namespace	Namespace of the cloud function	Enter a specific function name, such as test. The namespace of a cloud function is customized by the user. You can call ListNamespaces to obtain namespace details
Instances.N.Dimensions.2.Value	version	Dimension name of cloud function version	Enter a string-type dimension name, such as version
Instances.N.Dimensions.2.Name	version	A specific cloud function version	Enter a specific function version, such as $latest
Instances.N.Dimensions.2.Value	alias	Dimension name of cloud function alias	Enter a string-type dimension name, such as alias
Instances.N.Dimensions.2.Name	alias	A specific cloud function alias	Enter a specific function alias, such as test

Input Parameters

You can query monitoring data using the following two dimension combinations. The input parameters are as follows:

1. Pulling metric monitoring data based on cloud function version

&Instances.N.Dimensions.0.Name=functionName

&Instances.N.Dimensions.0.Value=

&Instances.N.Dimensions.1.Name=namspace

&Instances.N.Dimensions.1.Value=

&Instances.N.Dimensions.2.Name=version

&Instances.N.Dimensions.2.Value=

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2. Pulling metric monitoring data based on cloud function alias

&Instances.N.Dimensions.0.Name=functionName

&Instances.N.Dimensions.0.Value=

&Instances.N.Dimensions.1.Name=namspace

&Instances.N.Dimensions.1.Value=

&Instances.N.Dimensions.2.Name=alias

&Instances.N.Dimensions.2.Value=

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CKafka
Topic Monitoring Metrics

Last updated：2021-02-03 17:42:00

Namespace

Namespace=QCE/CKAFKA

Monitoring Metrics

Cumulative usage

Parameter	Metric	Description	Unit	Dimension
CtopicConCount	Messages consumed in topic	Number of messages consumed in the topic, which is the total number of messages in the selected time period	-	InstanceId, TopicId
CtopicConFlow	Consumption traffic in topic	Consumption traffic of the topic (excluding traffic generated by replicas), which is the total traffic in the selected time period	MB	InstanceId, TopicId
CtopicConReqCount	Topic-level consumption requests	Number of consumption requests at the topic level, which is the total number of requests at the selected time granularity	-	InstanceId, TopicId
CtopicMsgCount	Messages stored in topic	Total number of stored messages in the topic (excluding those produced by replicas), which is the latest value in the selected time period	-	InstanceId, TopicId
CtopicMsgHeap	Disk capacity used by messages in topic	Total size of messages in the topic (excluding those produced by replicas) that use disk capacity, which is the latest value in the selected time period	MB	InstanceId, TopicId
CtopicProCount	Messages produced in topic	Number of messages produced in the topic, which is the total number of messages in the selected time period	-	InstanceId, TopicId
CtopicProFlow	Production	Production traffic of the topic (excluding traffic	MB	InstanceId,

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	traffic in topic	generated by replicas), which is the total traffic in the selected time period		TopicId
CtopicProReqCount	Topic-level production requests	Number of production requests at the topic level, which is the total number of requests at the selected time granularity	-	InstanceId, TopicId

Note：

The statistical granularity (`period`) may vary by metric. The DescribeBaseMetrics API can be used to get the `period` values supported by each metric.

Overview of Parameters in Each Dimension

Parameter	Dimension	Dimension Description	Format
Instances.N.Dimensions.0.Name	instanceId	CKafka instance ID dimension name	Enter a String-type dimension name: instanceId
Instances.N.Dimensions.0.Value	instanceId	Specific CKafka instance ID	Enter a specific instance ID, such as `ckafka-test`
Instances.N.Dimensions.1.Name	topicId	Instance topic ID dimension name	Enter a String-type dimension name: topicId
Instances.N.Dimensions.1.Value	topicId	Specific instance topic ID	Enter a specific topic ID, such as `topic-test`

Input Parameter Description

To query the monitoring data of a CKafka topic, set the following input parameters:

&Namespace=QCE/CKAFKA

&Instances.N.Dimensions.0.Name=instanceId

&Instances.N.Dimensions.0.Value=instance ID

&Instances.N.Dimensions.1.Name=topicId

&Instances.N.Dimensions.1.Value=topic ID

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Instance Monitoring Metrics

Last updated：2023-08-08 15:46:57

Namespace

Namespace=QCE/CKAFKA

Monitoring Metrics

Performance

Parameter	Metric	Description	Unit	Dimension
InstanceProCount	Messages produced in instance	Number of messages produced in the instance, which is the total number of messages in the selected time period	-	InstanceId
InstanceConCount	Messages consumed in instance	Number of messages consumed in the instance, which is the total number of messages in the selected time period	-	InstanceId
InstanceConReqCount	Instance consumption requests	Number of consumption requests at the instance level, which is the total number of requests at the selected time granularity	-	InstanceId
InstanceProReqCount	Instance production requests	Number of production requests at the instance level, which is the total number of requests at the selected time granularity	-	InstanceId

System

Parameter	Metric	Description	Unit	Dimension
InstanceDiskUsage	Disk utilization	Ratio of the currently used disk capacity to the total disk capacity of the instance	%	InstanceId

Cumulative usage

Parameter	Metric	Description	Unit	Dimension

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Parameter	Metric	Description	Unit	Dimension
InstanceConnectCount	Instance connections	Number of connections between client and server	-	InstanceId
InstanceConFlow	Instance consumption traffic	Consumption traffic of the instance (excluding traffic generated by replicas), which is the total traffic in the selected time period	MB	InstanceId
InstanceMaxConFlow	Instance message consumption peak bandwidth	Instance message consumption peak bandwidth (there is no concept of replica for consumption)	MB	InstanceId
InstanceMaxProFlow	Instance message production peak bandwidth	Instance message production peak bandwidth (excluding bandwidth of replica production)	MB	InstanceId
InstanceMsgCount	Messages stored in instance	Total number of stored messages in the instance (excluding those produced by replicas), which is the latest value in the selected time period	-	InstanceId
InstanceMsgHeap	Instance disk usage	Instance disk usage (including replicas), which is the latest value in the selected time period	MB	InstanceId
InstanceProFlow	Instance production traffic	Production traffic of the instance (excluding traffic generated by replicas), which is the total traffic in the selected time period	MB	InstanceId
InstanceConnectPercentage	Instance connection percentage	Instance connection percentage (ratio of the client-server connections to the quota)	%	InstanceId

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Parameter	Metric	Description	Unit	Dimension
InstanceConsumeBandwidthPercentage	Instance consumption bandwidth percentage	Instance consumption bandwidth percentage (ratio of the instance consumption bandwidth to the quota)	%	InstanceId
InstanceConsumeGroupNum	Consumer groups in instance	Number of consumer groups in the instance	-	InstanceId
InstanceConsumeGroupPercentage	Instance consumer group percentage	Instance consumer group percentage (ratio of consumer groups in the instance to the quota)	%	InstanceId
InstanceConsumeThrottle	Instance consumption throttling occurrences	Number of instance consumption throttling occurrences	-	InstanceId
InstancePartitionNum	Instance partitions	Number of partitions in the instance	-	InstanceId
InstancePartitionPercentage	Instance partition percentage	Instance partition percentage (ratio to the quota)	%	InstanceId
InstanceProduceBandwidthPercentage	Instance production bandwidth percentage	Instance production bandwidth percentage (ratio to the quota)	%	InstanceId
InstanceProduceThrottle	Instance production throttling occurrences	Number of instance production throttling occurrences	-	InstanceId
InstanceReplicaProduceFlow	Instance message production bandwidth peak	Instance message production bandwidth peak (including bandwidth of replica production)	MB	InstanceId

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Parameter	Metric	Description	Unit	Dimension
InstanceTopicNum	Instance topics	Number of topics in the instance	-	InstanceId
InstanceTopicPercentage	Instance topic percentage	Instance topic percentage (ratio to the quota)	%	InstanceId

Note：
The statistical granularity (`period`) may vary by metric. The DescribeBaseMetrics API can be used to get the `period` values supported by each metric.

Overview of Parameters in Each Dimension

Parameter	Dimension	Dimension Description	Format
Instances.N.Dimensions.0.Name	instanceId	CKafka instance dimension name	Enter a String-type dimension name: instanceId
Instances.N.Dimensions.0.Value	instanceId	Specific CKafka instance ID	Enter a specific instance ID, such as `ckafka-test`

Input Parameter Description

To query the monitoring data of a CKafka instance, set the following input parameters:
&Namespace=QCE/CKAFKA
&Instances.N.Dimensions.0.Name=instanceId
&Instances.N.Dimensions.0.Value=instance ID

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Consumer Group Monitoring Metrics

Last updated：2021-02-03 17:42:00

Namespace

Namespace=QCE/CKAFKA

Monitoring Metrics

Consumer group - partition

Parameter	Metric	Unit	Dimension
CpartitionConsumerSpeed	Partition consumption speed	Times/min	ConsumerGroup, InstanceId, TopicId, Partition, TopicName
CgroupMaxOffset	Maximum consumer group offset	-	ConsumerGroup, InstanceId, TopicId, Partition, TopicName
CtopicMsgOffset	Topic-level consumer group offset	-	ConsumerGroup, InstanceId, TopicId, Partition, TopicName
CtopicUnconsumeMsgCount	Number of topic-level unconsumed messages	-	ConsumerGroup, InstanceId, TopicId, Partition, TopicName
CtopicUnconsumeMsgOffset	Topic-level unconsumed message size	MB	ConsumerGroup, InstanceId, TopicId, Partition, TopicName

Consumer group - topic

Parameter	Metric	Unit	Dimension
CtopicConsumerSpeed	Topic consumption speed	Times/min	ConsumerGroup, InstanceId, TopicId, Partition, TopicName
MaxOffsetTopic	Maximum topic offset corresponding to consumer group	-	ConsumerGroup, InstanceId, TopicId, Partition, TopicName
OffsetTopic	Current consumption offset in consumer group	-	ConsumerGroup, InstanceId, TopicId, Partition, TopicName
UnconsumeSizeTopic	Unconsumed message size in	MB	ConsumerGroup, InstanceId,

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	consumer group		TopicId, Partition, TopicName
UnconsumeTopic	Number of unconsumed messages in consumer group	-	ConsumerGroup, InstanceId, TopicId, Partition, TopicName

Note：

The statistical granularity (`period`) may vary by metric. The DescribeBaseMetrics API can be used to get the `period` values supported by each metric.

Overview of Parameters in Each Dimension

Parameter	Dimension	Dimension Description	Format
Instances.N.Dimensions.0.Name	consumerGroup	Consumer group dimension name	Enter a String-type dimension name: consumerGroup
Instances.N.Dimensions.0.Value	consumerGroup	Specific consumer group information	Enter the information of the consumer group to be viewed, such as `perf-consumer-8330`
Instances.N.Dimensions.1.Name	instanceId	Instance ID dimension name	Enter a String-type dimension name: instanceId
Instances.N.Dimensions.1.Value	instanceId	Specific instance ID	Enter the ID of the instance for which to view monitoring data, such as `ckafka-test`
Instances.N.Dimensions.2.Name	topicId	Topic ID dimension name	Enter a String-type dimension name: topicId
Instances.N.Dimensions.2.Value	topicId	Specific topic ID	Enter the ID of the topic subscribed to, such as `topic-test`
Instances.N.Dimensions.3.Name	partition	Partition dimension name	Enter a String-type dimension name: partition

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Instances.N.Dimensions.3.Value	partition	Specific partition information	Enter the partition information of the topic, such as `0`
Instances.N.Dimensions.4.Name	topicName	Topic dimension name	Enter a String-type dimension name: topicName
Instances.N.Dimensions.5.Value	topicName	Specific topic name	Enter the name of the consumed topic, such as `test`

Input Parameter Description

To query the monitoring data of a CKafka consumer group, set the following input parameters:

&Namespace=QCE/CKAFKA

&Instances.N.Dimensions.0.Name=consumerGroup

&Instances.N.Dimensions.0.Value=consumer group

&Instances.N.Dimensions.1.Name=instanceId

&Instances.N.Dimensions.1.Value=instance ID

&Instances.N.Dimensions.2.Name=topicId

&Instances.N.Dimensions.2.Value=topic ID

&Instances.N.Dimensions.3.Name=topicName

&Instances.N.Dimensions.3.Value=topic name

&Instances.N.Dimensions.4.Name=partition

&Instances.N.Dimensions.4.Value=partition

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TDMQ
CMQ

Last updated：2022-10-24 11:11:07

Namespace

Namespace = QCE/TDMQ

Monitoring Metrics

Note：
Statistical periods (`period`) may vary by metric. You can get the statistical periods for different metrics by calling the `DescribeBaseMetrics` API.

TDMQ for RocketMQ

Parameter	Description	Unit	Dimension	Statistical Period
CmqQueueMsgBacklog	The number of heaped messages in the queue	-	environmentId, tenantId, topicName	60s, 300s, 3600s
CmqTopicMsgBacklog	The number of heaped messages in the topic	-	environmentId, tenantId, topicName	60s, 300s, 3600s
InactiveMsgNum	The number of invisible messages	-	appId, resourceId, resourceName	60s, 300s, 3600s
CmqInactiveMsgPercentage	The percentage of invisible messages in CMQ	%	environmentId, tenantId, topicName	60s, 300s, 3600s

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Parameter	Description	Unit	Dimension	Statistical Period
MsgRateIn	The message production rate	Messages/sec	environmentId, tenantId, topicName	60s, 300s, 3600s
MsgRateOut	The number of messages consumed by all consumers under the topic per second in the selected time range	Messages/sec	environmentId, tenantId, topicName	60s, 300s, 3600s
MsgThroughputIn	The data size of messages consumed by all consumers under the topic per second in the selected time range	B/S	environmentId, tenantId, topicName	60s, 300s, 3600s
SubMsgThroughputOut	The message consumption traffic	B/S	environmentId, tenantId, topicName	60s, 300s, 3600s
StorageSize	The message heap size	B	environmentId, tenantId, topicName	60s, 300s, 3600s
MsgAverageSize	The average produced message size	B	environmentId, tenantId, topicName	60s, 300s, 3600s
StorageBacklogPercentage	The percentage of the used message heap quota	%	environmentId, tenantId, topicName	60s, 300s, 3600s
CmqRequestCount	This metric is used to calculate the fees of API calls rather than the actual number of calls.	-	appId, resourceId, resourceName	60s, 300s, 3600s

Dimensions and Parameters

Parameter	Dimension	Dimension Description	Format

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Parameter	Dimension	Dimension Description	Format
Instances.N.Dimensions.0.Name	environmentId	Dimension name of the `environmentId`	Enter a string-type dimension name: environmentId
Instances.N.Dimensions.0.Value	environmentId	Specific namespace	Enter a specific namespace, such as `CMQ_QUEUE-test99` , which can be obtained from the `NamespaceName` field returned by the DescribeCmqQueues API.
Instances.N.Dimensions.0.Name	tenantId	Dimension name of the cluster ID	Enter a string-type dimension name: tenantId
Instances.N.Dimensions.0.Value	tenantId	Specific cluster ID	Enter a specific cluster ID, such as `cmq-xxxxxxxx` , which can be obtained from the `TenantId` field returned by the DescribeCmqQueues API.
Instances.N.Dimensions.0.Name	topicName	Dimension name of the topic name	Enter a string-type dimension name: topicName
Instances.N.Dimensions.0.Value	topicName	Specific topic name	Enter a specific topic name, such as `cmq-xxxxxxxx` , which can be obtained from the `QueueName` field returned by the DescribeCmqQueues API.
Instances.N.Dimensions.0.Name	appId	Dimension name of the root account APPID	Enter a string-type dimension name: appid
Instances.N.Dimensions.0.Value	appId	Specific root account APPID	Enter a root account APPID, such as `1250000000`
Instances.N.Dimensions.0.Name	resourceId	Dimension name of the cluster ID	Enter a string-type dimension name: resourceId

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Parameter	Dimension	Dimension Description	Format
Instances.N.Dimensions.0.Value	resourceId	Specific cluster ID	Enter a specific cluster ID, such as `cmq-xxxxxxxx` , which can be obtained from the `TenantId` field returned by the DescribeCmqQueues API.
Instances.N.Dimensions.0.Name	resourceName	Dimension name of the topic name	Enter a string-type dimension name: resourceName
Instances.N.Dimensions.0.Value	resourceName	Specific topic name	Enter a specific topic name, such as `cmq-xxxxxxxx` , which can be obtained from the `QueueName` field returned by the DescribeCmqQueues API.

Input Parameters

To query the monitoring data of a message queue, use the following input parameters:

Metric 1:

&Namespace = QCE/TDMQ
&Instances.N.Dimensions.0.Name = environmentId
&Instances.N.Dimensions.0.Value = Specific namespace
&Instances.N.Dimensions.1.Name = tenantId
&Instances.N.Dimensions.1.Value = Specific cluster ID
&Instances.N.Dimensions.2.Name = topicName
&Instances.N.Dimensions.2.Value = Specific topic name

Metric 2:

&Namespace = QCE/TDMQ
&Instances.N.Dimensions.0.Name = appId
&Instances.N.Dimensions.0.Value = Root account APPID
&Instances.N.Dimensions.1.Name = resourceId
&Instances.N.Dimensions.1.Value = Specific cluster ID

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&Instances.N.Dimensions.2.Name = resourceName

&Instances.N.Dimensions.2.Value = Specific topic name

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Pulsar

Last updated：2022-10-24 11:11:07

Namespace

Namespace = QCE/TDMQ

Monitoring Metrics

Note：
Statistical periods (`period`) may vary by metric. You can get the statistical periods for different metrics by calling the `DescribeBaseMetrics` API.

TDMQ for Pulsar

Parameter	Description	Unit	Dimension	Statistical Period
MsgAverageSize	The average produced message size	B	environmentId, tenantId, topicName	60s, 300s, 3600s
MsgRateIn	The message production rate	Messages/sec	environmentId, tenantId, topicName	60s, 300s, 3600s
MsgThroughputIn	The message production traffic	B/S	environmentId, tenantId, topicName	60s, 300s, 3600s
InMessagesTotal	The total number of messages produced in the current topic. This metric will be reset to zero when the server is restarted or switched.	-	environmentId, tenantId, topicName	60s, 300s, 3600s

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Parameter	Description	Unit	Dimension	Statistical Period
ProducersCount	The number of producers	-	environmentId, tenantId, topicName	60s, 300s, 3600s
StorageSize	The message heap size	B	environmentId, tenantId, topicName	60s, 300s, 3600s
BacklogSize	The number of heaped messages	-	environmentId, tenantId, topicName	60s, 300s, 3600s
SubscriptionsCount	The number of subscribers	-	environmentId, tenantId, topicName	60s, 300s, 3600s
ConsumersCount	The number of consumers	-	environmentId, tenantId, topicName	60s, 300s, 3600s
SubMsgBacklog	The number of messages produced to TDMQ but not consumed in the selected time range. This value should not be too high. If it gets high, expand the consumer service to reduce the heap.	-	environmentId, subName, tenantId, topicName	60s, 300s, 3600s
SubMsgDelayed	The number of messages that use TDMQ's delayed message feature in the selected time range. Such messages are not consumed immediately after production; instead, they are consumed after the specified delay time elapses.	-	environmentId, subName, tenantId, topicName	60s, 300s, 3600s

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Parameter	Description	Unit	Dimension	Statistical Period
SubUnackedMsg	The number of messages sent to the consumer but not acknowledged in the selected time range. If there are a lot of such messages, check whether your consumer service is working properly and whether you are using the official SDK for consumption.	-	environmentId, subName, tenantId, topicName	60s, 300s, 3600s
SubConsumerCount	The number of consumers validly connected to this topic in the selected time range.	-	environmentId, subName, tenantId, topicName	60s, 300s, 3600s
SubMsgRateRedeliver	The number of all retransmitted messages in a second under this topic in the selected time range.	Messages/sec	environmentId, subName, tenantId, topicName	60s, 300s, 3600s
SubMsgRateExpired	The expired message deletion rate	Messages/sec	environmentId, subName, tenantId, topicName	60s, 300s, 3600s
SubMsgRateOut	The message consumption rate	Messages/sec	environmentId, subName, tenantId, topicName	60s, 300s, 3600s
SubMsgThroughputOut	The message consumption traffic	B/S	environmentId, subName, tenantId, topicName	60s, 300s, 3600s
NsStorageSize	The message heap size in the namespace	B	namespace, tenant	60s, 300s, 3600s

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Parameter	Description	Unit	Dimension	Statistical Period
TenantInMessagesTotal	The total number of inbound messages in the virtual cluster	-	tenant	60s, 300s, 3600s
TenantMsgAverageSize	The average message size at the tenant level	B	tenant	60s, 300s, 3600s
TenantRateIn	The message production rate at the tenant level	-	tenant	60s, 300s, 3600s
TenantRateOut	The message consumption rate at the tenant level	-	tenant	60s, 300s, 3600s
TenantStorageSize	The message heap size at the tenant level	B	tenant	60s, 300s, 3600s
TenantIn entry Count	The number of entries that produced messages	-	tenant	60s, 300s, 3600s
TenantInentrySizeLe128	The number of entries that produced messages less than or equal to 128B	-	tenant	60s, 300s, 3600s
TenantInentrySizeLe1Kb	The number of entries that produced messages between 512B and 1 KB	-	tenant	60s, 300s, 3600s
TenantInentrySizeLe2Kb	The number of entries that produced messages between 1 KB and 2 KB	-	tenant	60s, 300s, 3600s
TenantInentrySizeLe4Kb	The number of entries that produced messages between 2 KB and 4 KB	-	tenant	60s, 300s, 3600s

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Parameter	Description	Unit	Dimension	Statistical Period
TenantInentrySizeLe16Kb	The number of entries that produced messages between 4 KB and 16 KB	-	tenant	60s, 300s, 3600s
TenantInentrySizeLe1Mb	The number of entries that produced messages between 100 KB and 1 MB	-	tenant	60s, 300s, 3600s
TenantInentrySizeLe100Kb	The number of entries that produced messages between 16 KB and 100 KB	-	tenant	60s, 300s, 3600s
TenantInentrySizeLeOverflow	The number of entries that produced messages above 1 MB	-	tenant	60s, 300s, 3600s
TenantIn entry SizeSum	The total size of entries that produced messages	-	tenant	60s, 300s, 3600s
TenantInentrySizeLe512	The number of entries that produced messages between 128B and 512B	-	tenant	60s, 300s, 3600s
TenantOutentrySizeCount	The number of entries that consumed messages	-	tenant	60s, 300s, 3600s
TenantOutentrySizeLe100Kb	The number of entries that consumed messages between 16 KB and 100 KB	-	tenant	60s, 300s, 3600s
TenantOutentrySizeLe128	The number of entries that consumed messages less than or equal to 128B	-	tenant	60s, 300s, 3600s

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Parameter	Description	Unit	Dimension	Statistical Period
TenantOutentry SizeLe1Kb	The number of entries that consumed messages between 512B and 1 KB	-	tenant	60s, 300s, 3600s
TenantOutentrySizeLe16Kb	The number of entries that consumed messages between 4 KB and 16 KB	-	tenant	60s, 300s, 3600s
TenantOutentrySizeLe1Mb	The number of entries that consumed messages between 100 KB and 1 MB	-	tenant	60s, 300s, 3600s
TenantOutentrySizeLe2Kb	The number of entries that consumed messages between 1 KB and 2 KB	-	tenant	60s, 300s, 3600s
TenantOutentrySizeLe4Kb	The number of entries that consumed messages between 2 KB and 4 KB	-	tenant	60s, 300s, 3600s
TenantOutentrySizeLe512	The number of entries that consumed messages between 128B and 512B	-	tenant	60s, 300s, 3600s
TenantOutentrySizeLeOverflow	The number of entries that consumed messages above 1 MB	-	tenant	60s, 300s, 3600s
TenantOutentrySizeSum	The total size of entries that consumed messages	-	tenant	60s, 300s, 3600s

Dimensions and Parameters

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Parameter	Dimension	Dimension Description	Format
Instances.N.Dimensions.0.Name	environmentId	Dimension name of the `environmentId`	Enter a string-type dimension name: environmentId
Instances.N.Dimensions.0.Value	environmentId	Specific namespace	Enter a specific namespace, such as `default` , which can be obtained from the `EnvironmentId` field returned by the DescribeEnvironments API.
Instances.N.Dimensions.0.Name	tenantId	Dimension name of the cluster ID	Enter a string-type dimension name: tenantId
Instances.N.Dimensions.0.Value	tenantId	Specific cluster ID	Enter a specific cluster ID, such as `pulsar-xxxxxxxxxx` , which can be viewed in Cluster in the TDMQ for Pulsar console or obtained from the `ClusterId` field returned by the DescribeClusterDetail API.
Instances.N.Dimensions.0.Name	topicName	Dimension name of the topic name	Enter a string-type dimension name: topicName
Instances.N.Dimensions.0.Value	topicName	Specific topic name	Enter a specific topic name, such as `testTopic` , which can be viewed in Topic in the TDMQ for Pulsar console.
Instances.N.Dimensions.0.Name	namespace	Dimension name of the cluster's namespace	Enter a string-type dimension name: namespace
Instances.N.Dimensions.0.Value	namespace	Specific namespace	Enter a specific namespace, such as `test` , which can be obtained from the `NamespaceName` field returned by the DescribeEnvironments API.

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Parameter	Dimension	Dimension Description	Format
Instances.N.Dimensions.0.Name	tenant	Dimension name of the cluster ID	Enter a string-type dimension name: tenant
Instances.N.Dimensions.0.Value	tenant	Specific cluster ID	Enter a specific cluster ID, such as `pulsar-xxxxxxxxxx` , which can be obtained from the `ClusterId` field returned by the DescribeClusterDetail API.

Input Parameters

To query the monitoring data of a message queue, use the following input parameters:

Metric type 1:

&Namespace = QCE/TDMQ

&Instances.N.Dimensions.0.Name = environmentId

&Instances.N.Dimensions.0.Value = Specific namespace

&Instances.N.Dimensions.1.Name = tenantId

&Instances.N.Dimensions.1.Value = Specific cluster ID

&Instances.N.Dimensions.2.Name = topicName

&Instances.N.Dimensions.2.Value = Specific topic name

Metric type 2:

&Namespace = QCE/TDMQ

&Instances.N.Dimensions.0.Name = tenant

&Instances.N.Dimensions.0.Value = Specific cluster ID

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VPC
NAT Gateway Monitoring Metrics

Last updated：2020-07-14 16:26:41

Namespace

Namespace=QCE/NAT_GATEWAY

Monitoring Metrics

Metric Name	Description	Unit	Dimension
Outbandwidth	Public network outbound bandwidth	Mbps	natId
Inbandwidth	Public network inbound bandwidth	Mbps	natId
Outpkg	Outbound packets	Packets/sec	natId
Inpkg	Inbound packets	Packets/sec	natId
Conns	Connections	Connections/sec	natId

The statistical granularity (`period`) may vary by metric. The DescribeBaseMetrics API can be used to obtain the period supported by each metric.

Overview of the Parameters in Each Dimension

Parameter Name	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.0.Name	natId	Dimension name of the NAT gateway ID	Enter a string-type natId dimension name
Instances.N.Dimensions.0.Value	natId	A specific NAT gateway ID	Enter a specific `natId` , such as nat-4d545d

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Input Parameters

To query the monitoring data of a NAT gateway in a VPC instance, use the following input parameters:

&Namespace=QCE/NAT_GATEWAY

&Instances.N.Dimensions.0.Name=natId

&Instances.N.Dimensions.0.Value=

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VPN Gateway Monitoring Metrics

Last updated：2022-10-24 11:11:07

Namespace

Namespace = QCE/VPNGW

Monitoring Metrics

Parameter	Metric Name	Description	Unit	Dimension
InBandwidth	Public network inbound bandwidth	The average inbound traffic of the VPN gateway per second	Mbps	vpnGwId
OutBandwidth	Public network outbound bandwidth	The average outbound traffic of the VPN gateway per second	Mbps	vpnGwId
Inpkg	Inbound packets	The average number of inbound packets of the VPN gateway per second	Count/sec	vpnGwId
Outpkg	Outbound packets	The average number of outbound packets of the VPN gateway per second	Count/sec	vpnGwId
VpnBandwidthUsageRate	VPN bandwidth utilization	The VPN bandwidth utilization	%	vpnGwId

Note：
Statistical periods (`period`) may vary by metric. You can get the statistical periods for different metrics by calling the `DescribeBaseMetrics` API.

Dimensions and Parameters

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Parameter	Dimension	Description	Format
Instances.N.Dimensions.0.Name	vpnGwId	Dimension name of the VPN gateway ID	enter a string-type dimension name: vpnGwId
Instances.N.Dimensions.0.Value	vpnGwId	Specific VPN gateway ID	Enter a specific VPN gateway ID, such as `vpngw-q7v069tf`

Input Parameters

To query the monitoring data of a VPN gateway in VPC, use the following input parameters:

&Namespace=QCE/VPNGW

&Instances.N.Dimensions.0.Name=vpnGwId

&Instances.N.Dimensions.0.Value=VPN gateway ID

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VPN Tunnel Monitoring Metrics

Last updated：2022-10-24 11:11:07

Namespace

Namespace = QCE/VPNX

Monitoring Metrics

Parameter	Metric Name	Description	Unit	Dimension
OutBandwidth	VPN tunnel outbound bandwidth	The average outbound traffic of the VPN tunnel per second	Mbps	vpnConnId
InBandwidth	VPN tunnel inbound bandwidth	The average inbound traffic of the VPN tunnel per second	Mbps	vpnConnId
InPkg	VPN tunnel inbound packets	The average number of inbound packets of the VPN tunnel per second	Count/sec	vpnConnId
OutPkg	VPN tunnel outbound packets	The average number of outbound packets of the VPN tunnel per second	Count/sec	vpnConnId
PkgDrop	VPN tunnel packet loss	The percentage of lost VPN detection packets per minute	%	vpnConnId
Delay	VPN tunnel delay	The average VPN detection delay per minute	ms	vpnConnId

Note：
Statistical periods (`period`) may vary by metric. You can get the statistical periods for different metrics by calling the `DescribeBaseMetrics` API.

Dimensions and Parameters

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Parameter	Dimension	Description	Format
Instances.N.Dimensions.0.Name	vpnConnId	Dimension name of the VPN tunnel ID	Enter a string-type dimension name: vpnConnId
Instances.N.Dimensions.0.Value	vpnConnId	Specific VPN tunnel ID	Enter a specific VPN tunnel ID, such as `vpnx-12345678`

Input Parameters

To query the monitoring data of a VPN tunnel in a VPC, use the following input parameters:

&Namespace=QCE/VPNX

&Instances.N.Dimensions.0.Name=vpnConnId

&Instances.N.Dimensions.0.Value=VPN tunnel ID

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Direct Connect Gateway Monitoring Metrics

Last updated：2021-02-03 17:41:59

Namespace

Namespace=QCE/DCG

Monitoring Metrics

Parameter	Metric	Description	Unit	Dimension
InBandwidth	Network inbound bandwidth	Network inbound bandwidth of Direct Connect	Mbps	directConnectGatewayId
InPkg	Inbound packets	Inbound packets of Direct Connect	Packets/sec	directConnectGatewayId
OutBandwidth	Network outbound bandwidth	Network outbound bandwidth of Direct Connect	Mbps	directConnectGatewayId
OutPkg	Outbound packets	Outbound packets of Direct Connect	Packets/sec	directConnectGatewayId
Rxbytes	Inbound traffic	Inbound traffic of Direct Connect	GB	directConnectGatewayId
Txbytes	Outbound traffic	Outbound traffic of Direct Connect	GB	directConnectGatewayId

Note：

The statistical granularity (`period`) may vary by metric. The DescribeBaseMetrics API can be used to get the `period` values supported by each metric.

Overview of Parameters in Each Dimension

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Parameter	Dimension	Dimension Description	Format
Instances.N.Dimensions.0.Name	directConnectGatewayId	Direct Connect gateway ID dimension name	Enter a String-type dimension name: directConnectGatewayId
Instances.N.Dimensions.0.Value	directConnectGatewayId	Specific Direct Connect gateway ID	Enter a specific Direct Connect gateway ID: dcg-4d545d

Input Parameter Description

To query the monitoring data of a Direct Connect gateway in a VPC, set the following input parameters:

&Namespace=QCE/DCG

&Instances.N.Dimensions.0.Name=directConnectGatewayId

&Instances.N.Dimensions.0.Value=Direct Connect gateway ID

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CCN Monitoring Metrics

Last updated：2021-02-03 17:41:59

Namespace

Namespace=QCE/VBC

Monitoring Metrics

Cross-region metrics

Parameter	Metric	Description	Unit	Dimension
InBandwidth	Inbound bandwidth	Cross-region inbound bandwidth	Mbps	CcnId, SRegion, DRegion
OutBandwidth	Outbound bandwidth	Cross-region outbound bandwidth	Mbps	CcnId, SRegion, DRegion
InPkg	Inbound packets	Cross-region inbound packets	Packets/sec	CcnId, SRegion, DRegion
OutPkg	Outbound packets	Cross-region outbound packets	Packets/sec	CcnId, SRegion, DRegion

Single-region metrics

Parameter	Metric	Description	Unit	Dimension
RegionInBandwidthBM	Inbound bandwidth	Single-region inbound bandwidth	Mbps	CcnId, SRegion
RegionOutBandwidthBM	Outbound bandwidth	Single-region outbound bandwidth	Mbps	CcnId, SRegion
RegionInPkgBM	Inbound packets	Single-region inbound packets	Packets/sec	CcnId, SRegion
RegionOutPkgBM	Outbound packets	Single-region outbound packets	Packets/sec	CcnId, SRegion

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Note：

The statistical granularity (`period`) may vary by metric. The DescribeBaseMetrics API can be used to get the `period` values supported by each metric.

Overview of Parameters in Each Dimension

Parameter	Dimension	Dimension Description	Format
Instances.N.Dimensions.0.Name	CcnId	CCN instance ID dimension name	Enter a String-type dimension name: CcnId
Instances.N.Dimensions.0.Value	CcnId	Specific CCN instance ID	Enter a specific CCN instance ID, such as `ccn-12345adc`
Instances.N.Dimensions.0.Name	SRegion	Source region dimension name	Enter a String-type dimension name: SRegion
Instances.N.Dimensions.0.Value	SRegion	Specific source region	Enter a specific source region, such as `ap-shanghai`
Instances.N.Dimensions.0.Name	DRegion	Destination region dimension name	Enter a String-type dimension name: DRegion
Instances.N.Dimensions.0.Value	DRegion	Specific destination region	Enter a specific destination region, such as `ap-guangzhou`

Input Parameter Description

To query the monitoring data of a CCN instance in a VPC, set the following input parameters:

&Namespace=QCE/VBC

&Instances.N.Dimensions.0.Name=CcnId

&Instances.N.Dimensions.0.Value=specific CCN instance ID

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Peering Connection Monitoring Metrics

Last updated：2021-02-03 15:07:13

Namespace

Namespace=QCE/PCX

Monitoring Metrics

Parameter	Metric	Description	Unit	Dimension
InBandwidth	Network inbound bandwidth	Inbound bandwidth of peering connection	bps	peeringConnectionId
OutBandwidth	Network outbound bandwidth	Outbound bandwidth of peering connection	bps	peeringConnectionId
InPkg	Inbound packets	Number of inbound packets of peering connection per second	Packets/sec	peeringConnectionId
OutPkg	Outbound packets	Number of outbound packets of peering connection per second	Packets/sec	peeringConnectionId
PkgDrop	Packet loss rate	Ratio of packets dropped by peering connection due to bandwidth limit to the total packets	%	peeringConnectionId
OutbandRate	Outbound bandwidth utilization	Outbound bandwidth utilization of peering connection	%	peeringConnectionId
InbandRate	Inbound bandwidth utilization	Inbound bandwidth utilization of peering connection	%	peeringConnectionId

Note：

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The statistical granularity (`period`) may vary by metric. The DescribeBaseMetrics API can be used to get the `period` values supported by each metric.

Overview of Parameters in Each Dimension

Parameter	Dimension	Dimension Description	Format
Instances.N.Dimensions.0.Name	peeringConnectionId	Peering connection ID dimension name	Enter a String-type dimension name: peeringConnectionId
Instances.N.Dimensions.0.Value	peeringConnectionId	Specific peering connection ID	Enter a specific peering connection ID, such as `pcx-086ypwc8`

Input Parameter Description

To query the monitoring data of a peering connection in a VPC, set the following input parameters:

&Namespace=QCE/PCX

&Instances.N.Dimensions.0.Name=peeringConnectionId

&Instances.N.Dimensions.0.Value=peering connection ID

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Bandwidth Packet Monitoring Metrics

Last updated：2021-02-03 15:07:13

Namespace

Namespace=QCE/BWP

Monitoring Metrics

Parameter	Metric	Description	Unit	Dimension
InPkg	Inbound packets	Inbound packets of bandwidth package	Packets/sec	bandwidthPackageId
InTraffic	Inbound bandwidth	Inbound bandwidth of bandwidth package	Mbps	bandwidthPackageId
OutPkg	Outbound packets	Outbound packets of bandwidth package	Packets/sec	bandwidthPackageId
OutTraffic	Outbound bandwidth	Outbound bandwidth of bandwidth package	Mbps	bandwidthPackageId

Note：

The statistical granularity (`period`) may vary by metric. The DescribeBaseMetrics API can be used to get the `period` values supported by each metric.

Overview of Parameters in Each Dimension

Parameter	Dimension	Dimension Description	Format
Instances.N.Dimensions.0.Name	bandwidthPackageId	Bandwidth package ID dimension name	Enter a String-type dimension name: bandwidthPackageId
Instances.N.Dimensions.0.Value	bandwidthPackageId	Specific	Enter a specific bandwidth

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		bandwidth package ID	package ID, such as `pdcg-4d545d`

Input Parameter Description

To query the monitoring data of a bandwidth package in a VPC, set the following input parameters:

&Namespace=QCE/BWP

&Instances.N.Dimensions.0.Name=bandwidthPackageId

&Instances.N.Dimensions.0.Value=unique bandwidth package ID

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EIP Monitoring Metrics

Last updated：2021-02-03 15:07:14

Namespace

Namespace=QCE/LB

Monitoring Metrics

Parameter	Metric	Description	Unit	Dimension
VipIntraffic	Inbound bandwidth	Inbound bandwidth of EIP	Mbps	eip
VipOuttraffic	Outbound bandwidth	Outbound bandwidth of EIP	Mbps	eip
VipInpkg	Inbound packets	Inbound packets of EIP	Packets/sec	eip
VipOutpkg	Outbound packets	Outbound packets of EIP	Packets/sec	eip
AccOuttraffic	Outbound traffic	Outbound traffic of EIP	MB	eip

Note：

The statistical granularity (`period`) may vary by metric. The DescribeBaseMetrics API can be used to get the `period` values supported by each metric.

Overview of Parameters in Each Dimension

Parameter	Dimension	Dimension Description	Format
Instances.N.Dimensions.0.Name	eip	EIP or IPv6 dimension name	Enter a String-type dimension name: eip
Instances.N.Dimensions.0.Value	eip	EIP or IPv6 address	Enter a specific IP address, such as `111.111.111.11`

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Input Parameter Description

To query the monitoring data of an EIP in a VPC, set the following input parameters:

&Namespace=QCE/LB

&Instances.N.Dimensions.0.Name=eip

&Instances.N.Dimensions.0.Value=unique EIP ID

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Anycast EIP Monitoring Metrics

Last updated：2021-02-03 15:07:14

Namespace

Namespace=QCE/CEIP_SUMMARY

Monitoring Metrics

Anycast EIP

Parameter	Metric	Description	Unit	Dimension
VipInpkg	Inbound packets	Inbound packets of Anycast EIP	Packets/sec	vip
VipOutpkg	Outbound packets	Outbound packets of Anycast EIP	Packets/sec	vip
VipIntraffic	Inbound bandwidth	Inbound bandwidth of Anycast EIP	Mbps	vip
VipOuttraffic	Outbound bandwidth	Outbound bandwidth of Anycast EIP	Mbps	vip

Overview of Parameters in Each Dimension

Parameter	Dimension	Dimension Description	Format
Instances.N.Dimensions.0.Name	vip	EIP dimension name	Enter a String-type dimension name: vip
Instances.N.Dimensions.0.Value	vip	Specific EIP address	Enter a specific IP address, such as `111.111.111.11`

Input Parameter Description

To query the monitoring data of an EIP in a VPC, set the following input parameters:

&Namespace=QCE/CEIP_SUMMARY

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&Instances.N.Dimensions.0.Name=vip

&Instances.N.Dimensions.0.Value=unique EIP ID

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Network Detection Monitoring Metrics

Last updated：2021-02-03 17:41:59

Namespace

Namespace=QCE/VPC_NET_DETECT

Monitoring Metrics

Parameter	Metric	Description	Unit	Dimension
PkgDrop	Packet loss rate	Network detection packet loss rate	%	netdetectid
Delay	Delay	Network detection delay	ms	netdetectid

Overview of Parameters in Each Dimension

Parameter	Dimension	Dimension Description	Format
Instances.N.Dimensions.0.Name	netdetectid	Network detection instance dimension name	Enter a String-type dimension name: netdetectid
Instances.N.Dimensions.0.Value	netdetectid	Specific network detection instance ID	Enter a specific instance ID, such as `netd-12345678`

Input Parameter Description

To query the monitoring data of an EIP in a VPC, set the following input parameters:

&Namespace=QCE/VPC_NET_DETECT

&Instances.N.Dimensions.0.Name=netdetectid

&Instances.N.Dimensions.0.Value=specific network detection instance ID

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CLB
Public Network CLB

Last updated：2022-06-28 17:20:21

Namespace

Namespace=QCE/LB_PUBLIC

Note：
Metrics in this namespace are public network CLB monitoring metrics in four dimensions: CLB instance, listener, real server, and real server port.

Monitoring Metrics

Parameter	Metric	Description	Unit	Statistical Granularity
ClientConnum	Client-CLB active connections	Number of active connections initiated from the client to the CLB instance or listener at a certain time point in the statistical period.	-	10, 60, 300
ClientInactiveConn	Client-CLB inactive connections	Number of inactive connections initiated from the client to the CLB instance or listener at a certain time point in the statistical period.	-	10, 60, 300
ClientConcurConn	Client-CLB concurrent connections	Number of concurrent connections initiated from the client to the CLB instance or listener at a certain time point in the statistical period.	-	10, 60, 300
ClientNewConn	Client-CLB new connections	Number of new connections initiated from the client to the CLB instance in the statistical period.	-	10, 60, 300

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Parameter	Metric	Description	Unit	Statistical Granularity
ClientInpkg	Client-CLB inbound packets	Number of data packets sent from the client to the CLB instance per second in the statistical period.	Count/s	10, 60, 300
ClientOutpkg	Client-CLB outbound packets	Number of data packets sent from the CLB instance to the client per second in the statistical period.	Count/s	10, 60, 300
ClientAccIntraffic	Client-CLB inbound traffic	Volume of inbound traffic from the client to the CLB instance in the statistical period.	MB	10, 60, 300
ClientAccOuttraffic	Client-CLB outbound traffic	Volume of outbound traffic from the CLB instance to the client in the statistical period.	MB	10, 60, 300
ClientIntraffic	Client-CLB inbound bandwidth	Inbound bandwidth used by the traffic from the client to the CLB instance in the statistical period.	Mbps	10, 60, 300
ClientOuttraffic	Client-CLB outbound bandwidth	Outbound bandwidth used by the traffic from the CLB instance to the client in the statistical period.	Mbps	10, 60, 300
InTraffic	CLB-real server inbound bandwidth	Inbound bandwidth used by the traffic from the CLB instance to real servers in the statistical period.	Mbps	10, 60, 300, 3600
OutTraffic	CLB-real server outbound bandwidth	Outbound bandwidth used by the traffic from real servers to the CLB instance in the statistical period.	Mbps	10, 60, 300, 3600
InPkg	CLB-real server inbound packets	Number of data packets sent from the CLB instance to real servers per second in the statistical period.	Count/s	10, 60, 300, 3600
OutPkg	CLB-real server outbound packets	Number of data packets sent from real servers to the CLB instance per second in the statistical period.	Count/s	10, 60, 300, 3600

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Parameter	Metric	Description	Unit	Statistical Granularity
ConNum	CLB-real server connections	Number of connections initiated from the CLB instance to real servers in the statistical period.	-	60, 300, 3600
NewConn	CLB-real server new connections	Number of new connections initiated from the CLB instance to real servers in the statistical period.	Count/min	60, 300, 3600
AccOuttraffic	CLB-real server outbound traffic	Volume of traffic from the CLB instance to real servers in the statistical period.	MB	10, 60, 300, 3600
DropTotalConns	Dropped connections	Number of connections dropped by the CLB instance or listener in the statistical period. This metric is supported by only standard accounts but not traditional accounts.	-	60, 300, 3600
InDropBits	Dropped inbound bandwidth	Bandwidth dropped when the client accesses CLB over the public network within a reference period. This metric is supported by only standard accounts but not traditional accounts.	Byte	60, 300, 3600
OutDropBits	Dropped outbound traffic	Bandwidth dropped when the CLB instance accesses the public network in the statistical period. This metric is supported by only standard accounts but not traditional accounts.	Byte	60, 300, 3600
InDropPkts	Dropped inbound packets	Number of data packets dropped when the client accesses the CLB instance over the public network in the statistical period. This metric is supported by only standard accounts.	Count/s	60, 300, 3600
OutDropPkts	Dropped outbound packets	Number of data packets dropped when the CLB instance accesses the public network in the statistical period. This metric is supported by only standard accounts but not traditional accounts.	Count/s	60, 300, 3600

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Parameter	Metric	Description	Unit	Statistical Granularity
DropQps	Dropped QPS	Number of requests dropped by the CLB instance or listener in the statistical period. This metric is available to layer-7 listeners only and supported by only standard accounts but not traditional accounts.	-	60, 300
IntrafficVipRatio	Inbound bandwidth utilization	Utilization of the bandwidth for the client to access the CLB instance over the public network in the statistical period. This metric is supported by only standard accounts but not traditional accounts. It is currently in beta test. To try it out, submit a ticket for application.	%	60, 300, 3600
OuttrafficVipRatio	Outbound bandwidth utilization	Utilization of the bandwidth for the CLB instance to access the public network in the statistical period. This metric is supported by only standard accounts but not traditional accounts. It is currently in beta test. To try it out, submit a ticket for application.	%	60, 300, 3600
ReqAvg	Average request time	Average request time of the CLB instance in the statistical period. This metric is available to layer-7 listeners only.	ms	60, 300, 3600
ReqMax	Maximum request time	Maximum request time of the CLB instance in the statistical period. This metric is available to layer-7 listeners only.	ms	60, 300, 3600
RspAvg	Average response time	Average response time of the CLB instance in the statistical period. This metric is available to layer-7 listeners only.	ms	60, 300, 3600
RspMax	Maximum response time	Maximum response time of the CLB instance in the statistical period. This metric is available to layer-7 listeners only.	ms	60, 300, 3600

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Parameter	Metric	Description	Unit	Statistical Granularity
RspTimeout	Timed-out responses	Number of timed-out responses of the CLB instance per minute in the statistical period. This metric is available to layer-7 listeners only.	Count/min	60, 300, 3600
SuccReq	Successful requests per minute	Number of successful requests of the CLB instance per minute in the statistical period. This metric is available to layer-7 listeners only.	Count/min	60, 300, 3600
TotalReq	Requests per second	Number of requests of the CLB instance per second in the statistical period. This metric is available to layer-7 listeners only.	-	60, 300, 3600
ClbHttp3xx	3xx status codes returned by CLB	Total number of 3xx status codes returned by the CLB instance and real servers in the statistical period. This metric is available to layer-7 listeners only.	Count/min	60, 300, 3600
ClbHttp4xx	4xx status codes returned by CLB	Total number of 4xx status codes returned by the CLB instance and real servers in the statistical period. This metric is available to layer-7 listeners only.	Count/min	60, 300, 3600
ClbHttp5xx	5xx status codes returned by CLB	Total number of 5xx status codes returned by the CLB instance and real servers in the statistical period. This metric is available to layer-7 listeners only.	Count/min	60, 300, 3600
ClbHttp404	404 status codes returned by CLB	Total number of 404 status codes returned by the CLB instance and real servers in the statistical period. This metric is available to layer-7 listeners only.	Count/min	60, 300, 3600

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Parameter	Metric	Description	Unit	Statistical Granularity
ClbHttp499	499 status codes returned by CLB	Total number of 499 status codes returned by the CLB instance and real servers in the statistical period. This metric is available to layer-7 listeners only.	Count/min	60, 300, 3600
ClbHttp502	502 status codes returned by CLB	Total number of 502 status codes returned by the CLB instance and real servers in the statistical period. This metric is available to layer-7 listeners only.	Count/min	60, 300, 3600
ClbHttp503	503 status codes returned by CLB	Total number of 503 status codes returned by the CLB instance and real servers in the statistical period. This metric is available to layer-7 listeners only.	Count/min	60, 300, 3600
ClbHttp504	504 status codes returned by CLB	Total number of 504 status codes returned by the CLB instance and real servers in the statistical period. This metric is available to layer-7 listeners only.	Count/min	60, 300, 3600
Http2xx	2xx status codes	Number of 2xx status codes returned by real servers in the statistical period. This metric is available to layer-7 listeners only.	Count/min	60, 300, 3600
Http3xx	3xx status codes	Number of 3xx status codes returned by real servers in the statistical period. This metric is available to layer-7 listeners only.	Count/min	60, 300, 3600
Http4xx	4xx status codes	Number of 4xx status codes returned by real servers in the statistical period. This metric is available to layer-7 listeners only.	Count/min	60, 300, 3600
Http5xx	5xx status codes	Number of 5xx status codes returned by real servers in the statistical period. This metric is available to layer-7 listeners only.	Count/min	60, 300, 3600

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Parameter	Metric	Description	Unit	Statistical Granularity
Http404	404 status codes	Number of 404 status codes returned by real servers in the statistical period. This metric is available to layer-7 listeners only.	Count/min	60, 300, 3600
Http499	499 status codes	Number of 499 status codes returned by real servers in the statistical period. This metric is available to layer-7 listeners only.	Count/min	60, 300, 3600
Http502	502 status codes	Number of 502 status codes returned by real servers in the statistical period. This metric is available to layer-7 listeners only.	Count/min	60, 300, 3600
Http503	503 status codes	Number of 503 status codes returned by real servers in the statistical period. This metric is available to layer-7 listeners only.	Count/min	60, 300, 3600
Http504	504 status codes	Number of 504 status codes returned by real servers in the statistical period. This metric is available to layer-7 listeners only.	Count/min	60, 300, 3600
OverloadCurConn	Concurrent SNAT connections	Number of concurrent connections to the CLB instance's SNAT IPs per minute in the statistical period. This metric is currently in beta test. To try it out, submit a ticket for application.	Count/min	60, 300
ConnRatio	SNAT port utilization	Utilization of ports of the CLB instance's SNAT IPs in the statistical period. Port utilization = number of concurrent SNAT connections / (number of SNAT IPs * 55,000 * number of real servers). This metric is currently in beta test. To try it out, submit a ticket for application.	%	60, 300

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Parameter	Metric	Description	Unit	Statistical Granularity
SnatFail	SNAT failures	Number of failed connections established between the CLB instance's SNAT IPs and real servers per minute in the statistical period. This metric is currently in beta test. To try it out, submit a ticket for application.	Count/min	60, 300
UnhealthRsCount	Health check exceptions	Number of health check exceptions of the CLB instance in the statistical period.	-	60, 300

Note：

- The statistical granularity (`period`) may vary by metric. You can call the DescribeBaseMetrics API to obtain the `period` supported by each metric.
- The metric values of public network inbound packets (InPkg) and outbound packets (OutPkg) as well as public network inbound bandwidth (InTraffic) and outbound bandwidth (OutTraffic) are calculated as follows: for the ten-second statistical granularity, the metric value is the average value; for the one-minute granularity, the metric value is the maximum of the average values of every ten seconds; for the five-minute granularity, the metric value is the maximum of the average values of every minute; and so on.

Overview of Parameters in Each Dimension

Parameter	Dimension	Description	Format
Instances.N.Dimensions.0.name	vip	Dimension name of the CLB VIP	Enter a string-type dimension name, such as `vip`
Instances.N.Dimensions.0.value	vip	Specific CLB VIP	Enter a specific IP address, such as `111.111.111.11`
Instances.N.Dimensions.1.name	loadBalancerPort	Dimension name of the CLB listener port	Enter a string-type dimension name, such as `loadBalancerPort`

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Parameter	Dimension	Description	Format
Instances.N.Dimensions.1.value	loadBalancerPort	Specific CLB listener port	Enter a specific port number, such as 80
Instances.N.Dimensions.2.name	protocol	Dimension name of the listener protocol	Enter a string-type dimension name, such as `protocol`
Instances.N.Dimensions.2.value	protocol	Specific listener protocol	Enter a specific protocol name, such as `http`
Instances.N.Dimensions.3.name	vpcId	Dimension name of the VPC ID	Enter a string-type dimension name, such as `vpcId`
Instances.N.Dimensions.3.value	vpcId	Specific CLB VPC ID. To bind a CLB v1.0 instance across regions, see the notes below the table.	Enter a specific VPC ID, such as `5436123`
Instances.N.Dimensions.4.name	lanIp	Dimension name of the real server IP address	Enter a string-type dimension name, such as `lanIp`
Instances.N.Dimensions.4.value	lanIp	Specific real server IP address	Enter a specific IP address, such as `111.222.111.22`
Instances.N.Dimensions.5.name	port	Dimension name of the real server port	Enter a string-type dimension name, such as `port`
Instances.N.Dimensions.5.value	port	Specific real server port number	Enter a specific port number, such as `80`

Note：
The `Instances.N.Dimensions.3.value` parameter is the specific ID of the VPC where the CLB instance resides. However, it is the ID of the VPC in the other region in case of binding a CLB v1.0 instance across regions.

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Input Parameter Description

Monitoring data of public network CLB can be queried based on the following four combinations of dimensions. The values for input parameters are as follows:

1. Values of input parameters in public network CLB instance dimension

&Namespace: QCE/LB_PUBLIC

&Instances.N.Dimensions.0.Name = vip

&Instances.N.Dimensions.0.Value = IP address

2. Values of input parameters in public network CLB listener dimension

&Namespace: QCE/LB_PUBLIC

&Instances.N.Dimensions.0.Name = vip

&Instances.N.Dimensions.0.Value = IP address

&Instances.N.Dimensions.1.Name = loadBalancerPort

&Instances.N.Dimensions.1.Value = port number

&Instances.N.Dimensions.2.Name = protocol

&Instances.N.Dimensions.2.Value = protocol type

3. Values of input parameters in public network CLB real server dimension

&Namespace: QCE/LB_PUBLIC

&Instances.N.Dimensions.0.Name = vip

&Instances.N.Dimensions.0.Value = IP address

&Instances.N.Dimensions.1.Name = loadBalancerPort

&Instances.N.Dimensions.1.Value = port number

&Instances.N.Dimensions.2.Name = protocol

&Instances.N.Dimensions.2.Value = protocol type

&Instances.N.Dimensions.3.Name = vpcId

&Instances.N.Dimensions.3.Value = VPC ID of real server

&Instances.N.Dimensions.4.Name = lanIp

&Instances.N.Dimensions.4.Value = real server IP of CLB instance

4. Values of input parameters in public network CLB real server port dimension

&Namespace: QCE/LB_PUBLIC

&Instances.N.Dimensions.0.Name = vip

&Instances.N.Dimensions.0.Value = IP address

&Instances.N.Dimensions.1.Name = loadBalancerPort

&Instances.N.Dimensions.1.Value = port number

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&Instances.N.Dimensions.2.Name = protocol

&Instances.N.Dimensions.2.Value = protocol type

&Instances.N.Dimensions.3.Name = vpcId

&Instances.N.Dimensions.3.Value = VPC ID of CLB instance

&Instances.N.Dimensions.4.Name = lanIp

&Instances.N.Dimensions.4.Value = real server IP of CLB instance

&Instances.N.Dimensions.5.Name = port

&Instances.N.Dimensions.5.Value = Real server port number of CLB instance

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Private Network CLB

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Namespace

Namespace=QCE/LB_PRIVATE

> Note：
> Metrics in this namespace are private network CLB monitoring metrics in four dimensions: CLB instance, listener, real server (RS), and RS port.

Monitoring Metrics

Parameter	Metric Name	Description	Unit	Statistical Period
ClientConnum	Client-to-CLB active connections	Number of active connections initiated from the client to the CLB instance or listener at a certain time point in the statistical period	-	10s, 60s, 300s
ClientInactiveConn	Client-to-CLB inactive connections	Number of inactive connections initiated from the client to the CLB instance or listener at a certain time point in the statistical period	-	10s, 60s, 300s
ClientConcurConn	Client-to-CLB concurrent connections	Number of concurrent connections initiated from the client to the CLB instance or listener at a certain time point in the statistical period	-	10s, 60s, 300s
ClientNewConn	Client-to-CLB new connections	Number of new connections initiated from the client to the CLB instance in the statistical period	-	10s, 60s, 300s
ClientInpkg	Client-to-CLB inbound packets	Number of data packets sent from the client to the CLB instance per second in the statistical period	Count/sec	10s, 60s, 300s

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Parameter	Metric Name	Description	Unit	Statistical Period
ClientOutpkg	Client-to-CLB outbound packets	Number of data packets sent from the CLB instance to the client per second in the statistical period	Count/sec	10s, 60s, 300s
ClientAccIntraffic	Client-to-CLB inbound traffic	Volume of inbound traffic from the client to the CLB instance in the statistical period	MB	10s, 60s, 300s
ClientAccOuttraffic	Client-to-CLB outbound traffic	Volume of outbound traffic from the CLB instance to the client in the statistical period	MB	10s, 60s, 300s
ClientOuttraffic	Client-to-CLB outbound bandwidth	Outbound bandwidth used by the traffic from the CLB instance to the client in the statistical period	Mbps	10s, 60s, 300s
ClientIntraffic	Client-to-CLB inbound bandwidth	Inbound bandwidth used by the traffic from the client to the CLB instance in the statistical period	Mbps	10s, 60s, 300s
OutTraffic	CLB-to-RS outbound bandwidth	Outbound bandwidth used by the traffic from the RS to the CLB instance in the statistical period	Mbps	60s, 300s
InTraffic	CLB-to-RS inbound bandwidth	Inbound bandwidth used by the traffic from the CLB instance to the RS in the statistical period	Mbps	60s, 300s
OutPkg	CLB-to-RS outbound packets	Number of data packets sent from the RS to the CLB instance per second in the statistical period	Count/sec	60s, 300s
InPkg	CLB-to-RS inbound packets	Number of data packets sent from the CLB instance to the RS per second in the statistical period	Count/sec	60s, 300s
ConNum	CLB-to-RS connections	Number of connections initiated from the CLB instance to the RS in the statistical period	-	60s, 300s

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Parameter	Metric Name	Description	Unit	Statistical Period
NewConn	CLB-to-RS new connections	Number of new connections initiated from the CLB instance to the RS in the statistical period	Count/min	60s, 300s
DropTotalConns	Dropped connections	Number of connections dropped by the CLB instance or listener in the statistical period. This metric is only supported for bill-by-IP accounts.	-	10s, 60s, 300s
InDropBits	Dropped inbound bandwidth	Bandwidth dropped when the client accesses the CLB instance over the public network in the statistical period. This metric is only supported for bill-by-IP accounts.	Byte	10s, 60s, 300s
OutDropBits	Dropped outbound bandwidth	Bandwidth dropped when the CLB instance accesses the public network in the statistical period. This metric is only supported for bill-by-IP accounts.	Byte	10s, 60s, 300s
InDropPkts	Dropped inbound packets	Number of data packets dropped when the client accesses the CLB instance over the public network in the statistical period. This metric is only supported for bill-by-IP accounts.	Count/sec	10s, 60s, 300s
OutDropPkts	Dropped outbound packets	Number of data packets dropped when the CLB instance accesses the public network in the statistical period. This metric is only supported for bill-by-IP accounts.	Count/sec	10s, 60s, 300s
DropQps	Dropped QPS	Number of requests dropped by the CLB instance or listener in the statistical period. This metric is dedicated to layer-7 listeners and only supported for bill-by-IP accounts.	-	60s, 300s

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Parameter	Metric Name	Description	Unit	Statistical Period
IntrafficVipRatio	Inbound bandwidth utilization	Utilization of the bandwidth for the client to access the CLB instance over the public network in the statistical period. This metric is only supported for bill-by-IP accounts and is currently in beta test. To try it out, submit a ticket.	%	10s, 60s, 300s
OuttrafficVipRatio	Outbound bandwidth utilization	Utilization of the bandwidth for the CLB instance to access the public network in the statistical period. This metric is only supported for bill-by-IP accounts and is currently in beta test. To try it out, submit a ticket.	%	10s, 60s, 300s
ReqAvg	Average request time	The average request time of the CLB instance in the statistical period. This metric is dedicated to layer-7 listeners.	Millisecond	60s, 300s
ReqMax	Maximum request time	The maximum request time of the CLB instance in the statistical period. This metric is dedicated to layer-7 listeners.	Millisecond	60s, 300s
RspAvg	Average response time	The average response time of the CLB instance in the statistical period. This metric is dedicated to layer-7 listeners.	Millisecond	60s, 300s
RspMax	Maximum response time	The maximum response time of the CLB instance in the statistical period. This metric is dedicated to layer-7 listeners.	Millisecond	60s, 300s
RspTimeout	Number of response timeouts	The number of CLB response timeouts in the statistical period. This metric is dedicated to layer-7 listeners.	Count/min	60s, 300s
SuccReq	Successful requests per minute	The number of successful CLB requests per minute in the statistical period. This metric is dedicated to layer-7 listeners.	Count/min	60s, 300s

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Parameter	Metric Name	Description	Unit	Statistical Period
TotalReq	Requests per second	The number of CLB requests per second in the statistical period. This metric is dedicated to layer-7 listeners.	-	60s, 300s
ClbHttp3xx	3xx status codes returned by CLB	The number of 3xx status codes returned by CLB in the statistical period (sum of CLB and RS return codes). This metric is dedicated to layer-7 listeners.	Count/min	60s, 300s
ClbHttp4xx	4xx status codes returned by CLB	The number of 4xx status codes returned by CLB in the statistical period (sum of CLB and RS return codes). This metric is dedicated to layer-7 listeners.	Count/min	60s, 300s
ClbHttp5xx	5xx status codes returned by CLB	The number of 5xx status codes returned by CLB in the statistical period (sum of CLB and RS return codes). This metric is dedicated to layer-7 listeners.	Count/min	60s, 300s
ClbHttp404	404 status codes returned by CLB	The number of 404 status codes returned by CLB in the statistical period (sum of CLB and RS return codes). This metric is dedicated to layer-7 listeners.	Count/min	60s, 300s
ClbHttp499	499 status codes returned by CLB	The number of 499 status codes returned by CLB in the statistical period (sum of CLB and RS return codes). This metric is dedicated to layer-7 listeners.	Count/min	60s, 300s
ClbHttp502	502 status codes returned by CLB	The number of 502 status codes returned by CLB in the statistical period (sum of CLB and RS return codes). This metric is dedicated to layer-7 listeners.	Count/min	60s, 300s

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Parameter	Metric Name	Description	Unit	Statistical Period
ClbHttp503	503 status codes returned by CLB	The number of 503 status codes returned by CLB in the statistical period (sum of CLB and RS return codes). This metric is dedicated to layer-7 listeners.	Count/min	60s, 300s
ClbHttp504	504 status codes returned by CLB	The number of 504 status codes returned by CLB in the statistical period (sum of CLB and RS return codes). This metric is dedicated to layer-7 listeners.	Count/min	60s, 300s
Http2xx	2xx status codes	The number of 2xx status codes returned by the RS in the statistical period. This metric is dedicated to layer-7 listeners.	Count/min	60s, 300s
Http3xx	3xx status codes	The number of 3xx status codes returned by the RS in the statistical period. This metric is dedicated to layer-7 listeners.	Count/min	60s, 300s
Http4xx	4xx status codes	The number of 4xx status codes returned by the RS in the statistical period. This metric is dedicated to layer-7 listeners.	Count/min	60s, 300s
Http5xx	5xx status codes	The number of 5xx status codes returned by the RS in the statistical period. This metric is dedicated to layer-7 listeners.	Count/min	60s, 300s
Http404	404 status codes	The number of 404 status codes returned by the RS in the statistical period. This metric is dedicated to layer-7 listeners.	Count/min	60s, 300s
Http499	499 status codes	The number of 499 status codes returned by the RS in the statistical period. This metric is dedicated to layer-7 listeners.	Count/min	60s, 300s

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Parameter	Metric Name	Description	Unit	Statistical Period
Http502	502 status codes	The number of 502 status codes returned by the RS in the statistical period. This metric is dedicated to layer-7 listeners.	Count/min	60s, 300s
Http503	503 status codes	The number of 503 status codes returned by the RS in the statistical period. This metric is dedicated to layer-7 listeners.	Count/min	60s, 300s
Http504	504 status codes	The number of 504 status codes returned by the RS in the statistical period. This metric is dedicated to layer-7 listeners.	Count/min	60s, 300s
OverloadCurConn	Concurrent SNAT connections	The concurrent connections of the CLB instance's SNAT IP per minute in the statistical period. This metric is currently in beta. To try it out, submit a ticket.	Count/min	60s
ConnRatio	SNAT port utilization	Utilization of ports of the CLB instance's SNAT IPs in the statistical period. Port utilization = number of concurrent SNAT connections / (number of SNAT IPs * 55,000 * number of real servers). This metric is currently in beta. To try it out, submit a ticket.	%	60s
SnatFail	Failed SNAT connections	The number of failed connections between the CLB instance's SNAT IP and the RS per minute in the statistical period. This metric is currently in beta. To try it out, submit a ticket.	Count/min	60s
UnhealthRsCount	Health check exceptions	Number of health check exceptions of the CLB instance in the statistical period.	-	60s, 300s

Note：

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Statistical periods (`period`) may vary by metric. You can get the statistical periods for different metrics by calling the `DescribeBaseMetrics` API.

Dimensions and Parameters

Parameter	Dimension	Dimension Description	Format
Instances.N.Dimensions.0.name	vip	Dimension name of the CLB VIP	Enter a string-type dimension name: `vip` .
Instances.N.Dimensions.0.value	vip	A CLB VIP	Enter an IP address, such as `111.111.111.11` .
Instances.N.Dimensions.1.name	loadBalancerPort	Dimension name of the CLB listener port	Enter a string-type dimension name: `loadBalancerPort` .
Instances.N.Dimensions.1.value	loadBalancerPort	A CLB listener port	Enter a port number, such as `80` .
Instances.N.Dimensions.2.name	protocol	Dimension name of the listener protocol	Enter a string-type dimension name: `protocol` .
Instances.N.Dimensions.2.value	protocol	A listener protocol	Enter a protocol, such as `TCP` or `UDP` .
Instances.N.Dimensions.3.name	vpcId	Dimension name of the VPC ID	Enter a string-type dimension name: `vpcId` .
Instances.N.Dimensions.3.Value	vpcId	VPC ID of the CLB instance	Enter a specific VPC ID, such as `5436123`
Instances.N.Dimensions.4.name	lanIp	Dimension name of the IP address of the RS	Enter a string-type dimension name: `lanIp` .
Instances.N.Dimensions.4.value	lanIp	IP address of the RS	Enter a specific IP address, such as `111.222.111.22`
Instances.N.Dimensions.5.name	port	Dimension name of the RS port	Enter a string-type dimension name: `port` .

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Parameter	Dimension	Dimension Description	Format
Instances.N.Dimensions.5.Value	port	Service port number of the RS	Enter a port number, such as `80` .

Input Parameters

Private network CLB instances support the combination of the following four dimensions for querying monitoring data. The values of the four types of input parameters are as follows:

1. Values of the input parameters in the private network CLB instance dimension

&Namespace: QCE/LB_PRIVATE

&Instances.N.Dimensions.0.Name = `vip`

&Instances.N.Dimensions.0.Value = IP address

&Instances.N.Dimensions.1.Name = `vpcId`

&Instances.N.Dimensions.1.Value = VPC ID of the CLB instance

2. Values of the input parameters in the private network CLB listener dimension

&Namespace: QCE/LB_PRIVATE

&Instances.N.Dimensions.0.Name = `vip`

&Instances.N.Dimensions.0.Value = IP address

&Instances.N.Dimensions.1.Name = `vpcId`

&Instances.N.Dimensions.1.Value = VPC ID of the CLB instance

&Instances.N.Dimensions.2.Name = `loadBalancerPort`

&Instances.N.Dimensions.2.Value = Port number

&Instances.N.Dimensions.3.Name = `protocol`

&Instances.N.Dimensions.3.Value= Protocol type

3 Values of the input parameters in the private network CLB RS dimension

&Namespace: QCE/LB_PRIVATE

&Instances.N.Dimensions.0.Name = `vip`

&Instances.N.Dimensions.0.Value = IP address

&Instances.N.Dimensions.1.Name = `loadBalancerPort`

&Instances.N.Dimensions.1.Value = Port number

&Instances.N.Dimensions.2.Name = `protocol`

&Instances.N.Dimensions.2.Value = Protocol type

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&Instances.N.Dimensions.3.Name = `vpcId`

&Instances.N.Dimensions.3.Value = VPC ID of the CLB instance

&Instances.N.Dimensions.4.Name = `lanIp`

&Instances.N.Dimensions.4.Value = IP address of the RS bound to the CLB instance

4. Values of the input parameters in the private network CLB RS port dimension

&Namespace: QCE/LB_PRIVATE

&Instances.N.Dimensions.0.Name = `vip`

&Instances.N.Dimensions.0.Value = IP address

&Instances.N.Dimensions.1.Name = `loadBalancerPort`

&Instances.N.Dimensions.1.Value = Port number

&Instances.N.Dimensions.2.Name = `protocol`

&Instances.N.Dimensions.2.Value = Protocol type

&Instances.N.Dimensions.3.Name = `vpcId`

&Instances.N.Dimensions.3.Value = VPC ID of the CLB instance

&Instances.N.Dimensions.4.Name = `lanIp`

&Instances.N.Dimensions.4.Value = IP address of the RS bound to the CLB instance

&Instances.N.Dimensions.5.Name = `port`

&Instances.N.Dimensions.5.Value = Port number of the RS bound to the CLB instance

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Layer-7 Protocol

Last updated：2021-03-08 14:23:12

Namespace

Namespace=QCE/LOADBALANCE

Monitoring Metrics

Parameter	Metric Name	Description	Unit	Statistical Period
Clbhttp3xx	3xx status codes returned by CLB	Number of 3xx status codes returned by CLB in the statistical period (sum of CLB and real server return codes)	Codes/min	60, 300, 3600, 86400
Clbhttp404	404 status codes returned by CLB	Number of 404 status codes returned by CLB in the statistical period (sum of CLB and real server return codes)	Codes/min	60, 300, 3600, 86400
ClbHttp4xx	4xx status codes returned by CLB	Number of 4xx status codes returned by CLB in the statistical period (sum of CLB and real server return codes)	Codes/min	60, 300, 3600, 86400
ClbHttp502	502 status codes returned by CLB	Number of 502 status codes returned by CLB in the statistical period (sum of CLB and real server return codes)	Codes/min	60, 300, 3600, 86400
ClbHttp5xx	5xxx status codes returned by CLB	Number of 5xx status codes returned by CLB in the statistical period (sum of CLB and real server return codes)	Codes/min	60, 300, 3600, 86400
ConNum	Number of connections	Number of connections on CLB or the listener within the statistical period	-	60, 300, 3600, 86400

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HttpCode2XX	2xx status codes	Number of 2xx status codes returned by the real server in the statistical period	Codes/min	60, 300, 3600, 86400
HttpCode3XX	3xx status codes	Number of 3xx status codes returned by the real server in the statistical period	Codes/min	60, 300, 3600, 86400
HttpCode404	404 status codes	Number of 404 status codes returned by the real server in the statistical period	Codes/min	60, 300, 3600, 86400
HttpCode4XX	4xx status codes	Number of 4xx status codes returned by the real server in the statistical period	Codes/min	60, 300, 3600, 86400
HttpCode502	502 status codes	Number of 502 status codes returned by the real server in the statistical period	Codes/min	60, 300, 3600, 86400
HttpCode5XX	5xx status codes	Number of 5xx status codes returned by the real server in the statistical period	Codes/min	60, 300, 3600, 86400
InPkg	Inbound packets	Number of request data packets received by CLB per second within the statistical period	Packets/sec	60, 300, 3600, 86400
InTraffic	Inbound bandwidth	Bandwidth used by the client to access CLB over the public network within the statistical period	Mbps	60, 300, 3600, 86400
NewConn	New connections	Number of newly established connections on CLB or the listener within the statistical period	Connections/min	60, 300, 3600, 86400
OutPkg	Outbound packets	Number of data packets sent by CLB per second within the statistical period	Packets/sec	60, 300, 3600, 86400
OutTraffic	Public network outbound bandwidth	Bandwidth used by CLB to access the public network within the statistical period	Mbps	60, 300, 3600, 86400

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QPS	Requests per minute	The number of CLB's requests per minute within the statistical period	-	60, 300, 3600, 86400
RequestTimeAverage	Average request time	CLB's average request time within the statistical period	ms	60, 300, 3600, 86400
RequestTimeMax	Maximum request time	Maximum request time of CLB within the statistical period	ms	60, 300, 3600, 86400
ResponseTimeoutNum	Timed-out responses	Number of timed-out responses of CLB within the statistical period	Responses/min	60, 300, 3600, 86400
ResponseTimeAverage	Average response time	Average response time of CLB within the statistical period	ms	60, 300, 3600, 86400
ResponseTimeMax	Maximum response time	Maximum response time of CLB within the statistical period	ms	60, 300, 3600, 86400

Note：

The statistical granularity (`period`) may vary by metric. The DescribeBaseMetrics API can be used to get the `period` supported by each metric.

Overview of Parameters in Each Dimension

Parameter	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.0.name	vip	Dimension name of the CLB VIP	Enter a string-type dimension name, such as `vip`
Instances.N.Dimensions.0.value	vip	A specific CLB VIP	Enter a specific IP address, such as `111.111.111.11`
Instances.N.Dimensions.1.name	loadBalancerPort	Dimension name of the CLB port	Enter a string-type dimension name, such as `loadBalancerPort`

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Instances.N.Dimensions.1.value	loadBalancerPort	A specific CLB listener port	Enter a specific port number, such as `80`
Instances.N.Dimensions.2.name	protocol	Dimension name of the protocol	Enter a string-type dimension name, such as `protocol`
Instances.N.Dimensions.2.value	protocol	A specific listening protocol	Enter a specific protocol name, such as `http`
Instances.N.Dimensions.3.name	vpcId	Dimension name of the VPC ID	Enter a string-type dimension name, such as `vpcId`
Instances.N.Dimensions.3.value	vpcId	VPC ID of the CLB instance	Enter a specific VPC ID, such as `vpc-1ywqac83`
Instances.N.Dimensions.4.name	domain	Dimension name of the domain	Enter a string-type dimension name, such as `domain`
Instances.N.Dimensions.4.value	domain	Specific domain name	Enter a specific domain name, such as `www.cloud.tencent.com`
Instances.N.Dimensions.5.name	url	Dimension name of the URL	Enter a string-type dimension name, such as `url`
Instances.N.Dimensions.5.value	url	Specific URL	Enter a specific URL, such as `/aaa`
Instances.N.Dimensions.6.Name	lanIp	Dimension name of the IP address of the real server	Enter a string-type dimension name, such as `lanIp`
Instances.N.Dimensions.6.value	lanIp	IP address of the real server	Enter a specific IP address, such as `111.222.111.22`
Instances.N.Dimensions.7.name	port	Dimension name of the real server	Enter a string-type dimension name, such as `port`
Instances.N.Dimensions.7.Value	port	The specific service port number of the real server	Enter a specific port number, such as `80`

Input Parameters

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CLB layer-7 data supports the combinations of the following six dimensions for querying monitoring data. The values for the six types of input parameters are as follows:

1. Values of the input parameters at the CLB instance dimension

&Namespace: QCE/LOADBALANCE

&Instances.N.Dimensions.0.Name=vip

&Instances.N.Dimensions.0.Value=

2. Values of the input parameters at the CLB listener dimension

&Namespace: QCE/LOADBALANCE

&Instances.N.Dimensions.0.Name=vip

&Instances.N.Dimensions.0.Value=

&Instances.N.Dimensions.1.Name=loadBalancerPort

&Instances.N.Dimensions.1.Value=

&Instances.N.Dimensions.2.Name=protocol

&Instances.N.Dimensions.2.Value=

3. Values of input parameters in CLB domain name dimension

&Namespace: QCE/LOADBALANCE

&Instances.N.Dimensions.0.Name=vip

&Instances.N.Dimensions.0.Value=

&Instances.N.Dimensions.1.Name=loadBalancerPort

&Instances.N.Dimensions.1.Value=

&Instances.N.Dimensions.2.Name=protocol

&Instances.N.Dimensions.2.Value=

&Instances.N.Dimensions.3.Name=domain

&Instances.N.Dimensions.3.Value=domain name

4. Values of input parameters in CLB domain name URL dimension

&Namespace: QCE/LOADBALANCE

&Instances.N.Dimensions.0.Name=vip

&Instances.N.Dimensions.0.Value=

&Instances.N.Dimensions.1.Name=loadBalancerPort

&Instances.N.Dimensions.1.Value=

&Instances.N.Dimensions.2.Name=protocol

&Instances.N.Dimensions.2.Value=

&Instances.N.Dimensions.3.Name=domain

&Instances.N.Dimensions.3.Value=domain name

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&Instances.N.Dimensions.4.Name=url

&Instances.N.Dimensions.4.Value=

5. Values of the input parameters at the CLB real server dimension

&Namespace: QCE/LOADBALANCE

&Instances.N.Dimensions.0.Name=vip

&Instances.N.Dimensions.0.Value=

&Instances.N.Dimensions.1.Name=loadBalancerPort

&Instances.N.Dimensions.1.Value=

&Instances.N.Dimensions.2.Name=protocol

&Instances.N.Dimensions.2.Value=

&Instances.N.Dimensions.3.Name=vpcId

&Instances.N.Dimensions.3.Value=

&Instances.N.Dimensions.4.Name=domain

&Instances.N.Dimensions.4.Value=domain name

&Instances.N.Dimensions.5.Name=url

&Instances.N.Dimensions.5.Value=

&Instances.N.Dimensions.6.Name=lanIp

&Instances.N.Dimensions.6.Value=

6. Values of the input parameters at the CLB real server port dimension

&Namespace: QCE/LOADBALANCE

&Instances.N.Dimensions.0.Name=vip

&Instances.N.Dimensions.0.Value=

&Instances.N.Dimensions.1.Name=loadBalancerPort

&Instances.N.Dimensions.1.Value=

&Instances.N.Dimensions.2.Name=protocol

&Instances.N.Dimensions.2.Value=

&Instances.N.Dimensions.3.Name=vpcId

&Instances.N.Dimensions.3.Value=

&Instances.N.Dimensions.4.Name=domain

&Instances.N.Dimensions.4.Value=domain name

&Instances.N.Dimensions.5.Name=url

&Instances.N.Dimensions.5.Value=

&Instances.N.Dimensions.6.Name=lanIp

&Instances.N.Dimensions.6.Value=

&Instances.N.Dimensions.7.Name=port

&Instances.N.Dimensions.7.Value=

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COS

Last updated：2021-05-31 17:41:12

Namespace

Namespace=QCE/COS

Monitoring Metrics

Note：
Because COS uses a generic region, no matter where a bucket is located, please always select "Guangzhou" as `Region` when pulling COS monitoring metric data.

- Please always select "North China (Guangzhou)" for the `Region` field when pulling data by using API Explorer.
- Please always enter "ap-guangzhou" in the `Region` field when pulling data by using an SDK.

Requests

Parameter	Metric	Description	Unit	Dimen
StdReadRequests	STANDARD read requests	Number of STANDARD read requests, which is calculated based on the number of sent requests	-	appid, bucke
StdWriteRequests	STANDARD write requests	Number of STANDARD write requests, which is calculated based on the number of sent requests	-	appid, bucke
MazStdReadRequests	MAZ_STANDARD read requests	Number of MAZ_STANDARD read requests, which is calculated based on the number of sent requests	-	appid, bucke

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Parameter	Metric	Description	Unit	Dimen
MazStdWriteRequests	MAZ_STANDARD write requests	Number of MAZ_STANDARD write requests, which is calculated based on the number of sent requests	-	appid, bucke
IaReadRequests	STANDARD_IA read requests	Number of STANDARD_IA read requests, which is calculated based on the number of sent requests	-	appid, bucke
IaWriteRequests	STANDARD_IA write requests	Number of STANDARD_IA write requests, which is calculated based on the number of sent requests	-	appid, bucke
MazIaReadRequests	MAZ_STANDARD_IA read requests	Number of MAZ_STANDARD_IA read requests, which is calculated based on the number of sent requests	-	appid, bucke
MazIaWriteRequests	MAZ_STANDARD_IA write requests	Number of MAZ_STANDARD_IA write requests, which is calculated based on the number of sent requests	-	appid, bucke
DeepArcReadRequests	DEEP_ARCHIVE read requests	Number of DEEP_ARCHIVE read requests, which is calculated based on the number of sent requests	-	appid, bucke
DeepArcWriteRequests	DEEP_ARCHIVE write requests	Number of DEEP_ARCHIVE write requests, which is calculated based on the number of sent requests	-	appid, bucke
ItReadRequests	INTELLIGENT_TIERING read requests	Number of INTELLIGENT_TIERING read requests, which is calculated based on the number of sent requests	-	appid, bucke

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Parameter	Metric	Description	Unit	Dimen
ItWriteRequests	INTELLIGENT_TIERING write requests	Number of INTELLIGENT_TIERING write requests, which is calculated based on the number of sent requests	-	appid, bucke
MazItReadRequests	MAZ_INTELLIGENT_TIERING read requests	Number of MAZ_INTELLIGENT_TIERING read requests, which is calculated based on the number of sent requests	-	appid, bucke
MazItWriteRequests	MAZ_INTELLIGENT_TIERING write requests	Number of MAZ_INTELLIGENT_TIERING write requests, which is calculated based on the number of sent requests	-	appid, bucke
TotalRequests	Total requests	Total number of read and write requests in all storage classes, which is calculated based on the number of sent requests	-	appid, bucke
GetRequests	Total GET requests	Total number of GET requests in all storage classes, which is calculated based on the number of sent requests	-	appid, bucke
PutRequests	Total PUT requests	Total number of PUT requests in all storage classes, which is calculated based on the number of sent requests	-	appid, bucke

Storage

Parameter	Metric	Unit	Dimension
StdStorage	STANDARD - storage space	MB	appid, bucket
MazStdStorage	MAZ_STANDARD - storage space	MB	appid, bucket

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Parameter	Metric	Unit	Dimension
SiaStorage	STANDARD_IA - storage space	MB	appid, bucket
MazIaStorage	MAZ_STANDARD_IA - storage space	MB	appid, bucket
ItFreqStorage	INTELLIGENT_TIERING - frequent storage space	MB	appid, bucket
ItInfreqStorage	INTELLIGENT_TIERING - infrequent storage space	MB	appid, bucket
MazItFreqStorage	MAZ_INTELLIGENT_TIERING - frequent storage space	MB	appid, bucket
MazItInfreqStorage	MAZ_INTELLIGENT_TIERING - infrequent storage space	MB	appid, bucket
ArcStorage	ARCHIVE - storage space	MB	appid, bucket
DeepArcStorage	DEEP_ARCHIVE - storage space	MB	appid, bucket
StdObjectNumber	STANDARD - number of objects	-	appid, bucket
MazStdObjectNumber	MAZ_STANDARD - number of objects	-	appid, bucket
IaObjectNumber	STANDARD_IA - number of objects	-	appid, bucket
MazIaObjectNumber	MAZ_STANDARD_IA - number of objects	-	appid, bucket
ItFreqObjectNumber	INTELLIGENT_TIERING - number of frequent objects	-	appid, bucket
ItInfreqObjectNumber	INTELLIGENT_TIERING - number of infrequent objects	-	appid, bucket
MazItFreqObjectNumber	MAZ_INTELLIGENT_TIERING - number of frequent objects	-	appid, bucket

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Parameter	Metric	Unit	Dimension
MazItInfreqObjectNumber	MAZ_INTELLIGENT_TIERING - number of infrequent objects	-	appid, bucket
ArcObjectNumber	ARCHIVE - number of objects	-	appid, bucket
DeepArcObjectNumber	DEEP_ARCHIVE - number of objects	-	appid, bucket
StdMultipartNumber	STANDARD - incomplete multipart uploads	-	appid, bucket
MazStdMultipartNumber	MAZ_STANDARD - incomplete multipart uploads	-	appid, bucket
IaMultipartNumber	STANDARD_IA - incomplete multipart uploads	-	appid, bucket
MazIaMultipartNumber	MAZ_STANDARD_IA - incomplete multipart uploads	-	appid, bucket
ItFrequentMultipartNumber	INTELLIGENT_TIERING - incomplete multipart uploads	-	appid, bucket
MazItFrequentMultipartNumber	MAZ_INTELLIGENT_TIERING - incomplete multipart uploads	-	appid, bucket
ArcMultipartNumber	ARCHIVE - incomplete multipart uploads	-	appid, bucket
DeepArcMultipartNumber	DEEP_ARCHIVE - incomplete multipart uploads	-	appid, bucket

Traffic

Parameter	Metric	Description	Unit	Dimension
InternetTraffic	Public network downstream traffic	Traffic generated by data download from COS to client over the internet	B	appid, bucket
InternetTrafficUp	Public network upstream traffic	Traffic generated by data upload from client to COS over the internet	B	appid, bucket

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Parameter	Metric	Description	Unit	Dimension
InternalTraffic	Private network downstream traffic	Traffic generated by data download from COS to client over the Tencent Cloud private network	B	appid, bucket
InternalTrafficUp	Private network upstream traffic	Traffic generated by data upload from client to COS over the Tencent Cloud private network	B	appid, bucket
CdnOriginTraffic	CDN origin-pull traffic	Traffic generated by data transfer from COS to Tencent Cloud CDN edge server	B	appid, bucket
InboundTraffic	Total public and private network upload traffic	Traffic generated by data upload from client to COS over the internet and Tencent Cloud private network	B	appid, bucket
CrossRegionReplicationTraffic	Cross-region replication traffic	Traffic generated by replication of data in a bucket in one region to another bucket in another region	B	appid, bucket

Return codes

Parameter	Metric	Description	Unit	Dimension
2xxResponse	2xx status code	Number of requests with a 2xx status code returned	-	appid, bucket
3xxResponse	3xx status code	Number of requests with a 3xx status code returned	-	appid, bucket
4xxResponse	4xx status code	Number of requests with a 4xx status code returned	-	appid, bucket
5xxResponse	5xx status code	Number of requests with a 5xx status code returned	-	appid, bucket
2xxResponseRate	Proportion of 2xx status code	Proportion of the requests with a 2xx status code returned in the total requests	%	appid, bucket
3xxResponseRate	Proportion of 3xx status code	Proportion of the requests with a 3xx status code returned in the total requests	%	appid, bucket

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Parameter	Metric	Description	Unit	Dimension
4xxResponseRate	Proportion of 4xx status code	Proportion of the requests with a 4xx status code returned in the total requests	%	appid, bucket
5xxResponseRate	Proportion of 5xx status code	Proportion of the requests with a 5xx status code returned in the total requests	%	appid, bucket
400Response	400 status code	Number of requests with a 400 status code returned	-	appid, bucket
403Response	403 status code	Number of requests with a 403 status code returned	-	appid, bucket
404Response	404 status code	Number of requests with a 404 status code returned	-	appid, bucket
400ResponseRate	Proportion of 400 status code	Proportion of the requests with a 400 status code returned in the total requests	%	appid, bucket
403ResponseRate	Proportion of 403 status code	Proportion of the requests with a 403 status code returned in the total requests	%	appid, bucket
404ResponseRate	Proportion of 404 status code	Proportion of the requests with a 404 status code returned in the total requests	%	appid, bucket
500ResponseRate	Proportion of 500 status code	Proportion of the requests with a 500 status code returned in the total requests	%	appid, bucket
501ResponseRate	Proportion of 501 status code	Proportion of the requests with a 501 status code returned in the total requests	%	appid, bucket
502ResponseRate	Proportion of 502 status code	Proportion of the requests with a 502 status code returned in the total requests	%	appid, bucket
503ResponseRate	Proportion of 503 status code	Proportion of the requests with a 503 status code returned in the total requests	%	appid, bucket

Note：

1. For more information on the 3xx, 4xx, and 5xx status codes, please see Error Codes.
2. The statistical granularity (`period`) may vary by metric. The DescribeBaseMetrics API can be used to get the `period` values supported by each metric.

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Data retrieval metrics

Parameter	Metric	Description	Unit	Dimension
StdRetrieval	STANDARD data retrieval	Traffic generated by the retrieval of STANDARD data, which is the sum of the public network downstream traffic, private network downstream traffic, and CDN origin-pull traffic in the STANDARD storage class	B	appid, bucket
IaRetrieval	STANDARD_IA data retrieval	Traffic generated by the retrieval of STANDARD_IA data, which is the sum of the public network downstream traffic, private network downstream traffic, and CDN origin-pull traffic in the STANDARD_IA storage class	B	appid, bucket

Overview of Parameters in Each Dimension

Parameter	Dimension	Dimension Description	Format
&Instances.N.Dimensions.0.Name	appid	Root account APPID dimension name	Enter a String-type dimension name: appid
&Instances.N.Dimensions.0.Value	appid	Specific root account APPID	Enter a root account APPID, such as 1250000000
&Instances.N.Dimensions.1.Name	bucket	Bucket dimension name	Enter a String-type dimension name: bucket
&Instances.N.Dimensions.1.Value	bucket	Specific bucket name	Enter a specific bucket name, such as examplebucket-1250000000

Input Parameter Description

To query the monitoring data of COS, use the following input parameters:

&Namespace=QCE/COS

&Instances.N.Dimensions.0.Name=appid

&Instances.N.Dimensions.0.Value=Root account APPID

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&Instances.N.Dimensions.1.Name=bucket

&Instances.N.Dimensions.1.Value=Bucket name

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CFS

Last updated：2021-06-08 16:23:06

Namespace

Namespace=QCE/CFS

Monitoring Metrics

Bandwidth

Parameter	Metric	Description	Unit	Dimension
DataReadIoBytes	Read bandwidth	Average volume of data read from file system per second	KB/s	FileSystemId
DataWriteIoBytes	Write bandwidth	Average volume of data written to file system per second	KB/s	FileSystemId

Reads and writes

Parameter	Metric	Description	Unit	Dimension
DataReadIOPS	Read IOPS	Average number of reads from file system per second	Reads/sec	FileSystemId
DataWriteIOPS	Write IOPS	Average number of writes to file system per second	Writes/sec	FileSystemId

Storage

Parameter	Metric	Description	Unit	Dimension
Storage	File system storage capacity	Current storage capacity of file system	GB	FileSystemId

Latency

Parameter	Metric	Description	Unit	Dimension
DataReadIoLatency	Read latency	Average read latency of file system	ms	FileSystemId

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Parameter	Metric	Description	Unit	Dimension
DataWriteIoLatency	Write latency	Average write latency of file system	ms	FileSystemId

Note：
The statistical granularity (`period`) may vary by metric. The DescribeBaseMetrics API can be used to get the `period` values supported by each metric.

Overview of Parameters in Each Dimension

Parameter	Dimension	Dimension Description	Format
Instances.N.Dimensions.0.Name	FileSystemId	File system ID dimension name	Enter a String-type dimension name: FileSystemId
Instances.N.Dimensions.0.Value	FileSystemId	Specific file system ID	Enter a specific file system ID, such as `cfs-fjojeogej`

Input Parameter Description

To query the monitoring data of a CFS file system, set the following input parameters:

&Namespace=QCE/CFS
&Instances.N.Dimensions.0.Name=FileSystemId
&Instances.N.Dimensions.0.Value=file system ID

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CPM
Monitoring Metrics of CPM 1.0

Last updated：2020-07-28 16:13:15

Namespace

Namespace=QCE/CPM

Monitoring Metrics

Metric	Description	Unit	Dimension
CpuUsage	CPU utilization	%	instanceId
MemUse	Memory usage	MByte	instanceId
IoReadTraffic	Disk I/O read traffic	KByte/s	instanceId
IoWriteTraffic	Disk I/O write traffic	KByte/s	instanceId
IoUtil	CPU utilization of disk I/O operations	%	instanceId
WanOuttraffic	Public network outbound bandwidth	Mbps	instanceId
WanIntraffic	Public network inbound bandwidth	Mbps	instanceId
WanOutpkg	Public network outbound packets	Packets/sec	instanceId
WanInpkg	Public network inbound packets	Packets/sec	instanceId
WanOutflux	Public network outbound traffic	GByte	instanceId

Note：

The statistical granularity (`period`) may vary by metrics. You can obtain the `period` supported by each metric by calling the DescribeBaseMetrics API.

Overview of parameters in each dimension

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Parameter	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.0.Name	instanceId	Dimension name of the CPM instance ID	Enter a string-type dimension name, such as instanceId
Instances.N.Dimensions.0.Value	instanceId	CPM instance ID	Enter a specific instance ID, such as cpm-test, which can be obtained by calling the DescribeDevices API

Input Parameters

To query the monitoring data of the CPM instance, configure input parameters as follows:

&Namespace=QCE/CPM

&Instances.N.Dimensions.0.Name=instanceId

&Instances.N.Dimensions.0.Value=

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Monitoring Metrics of a BM EIP

Last updated：2020-07-28 16:13:16

Namespace

Namespace=QCE/BM_LB

Monitoring Metrics

Metric	Description	Unit	Dimension
EipOuttraffic	Public network outbound bandwidth	Mbps	vip
EipIntraffic	Public network inbound bandwidth	Mbps	vip
EipOutpkg	Public network outbound packets	Packets/sec	vip
EipInpkg	Public network inbound packets	Packets/sec	vip

Note：

The statistical granularity (`period`) may vary by metrics. You can obtain the `period` supported by each metric by calling the DescribeBaseMetrics API.

Overview of parameters in each dimension

Parameter	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.0.Name	vip	Dimension name of the EIP	Enter a string-type dimension name, such as vip
Instances.N.Dimensions.0.Value	vip	EIP	Enter a specific EIP, such as 115.115.115.115. You can query the list of EIPs under your account by calling DescribeEipBm

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Input Parameters

To query the monitoring data of BM EIP, configure input parameters as follows:

&Namespace=QCE/BM_LB

&Instances.N.Dimensions.0.Name=vip

&Instances.N.Dimensions.0.Value==

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Monitoring Metrics of a BM Peering Connection

Last updated：2020-07-28 16:13:16

Namespace

Namespace=QCE/BM_PCX

Monitoring Metrics

Metric	Description	Unit	Dimension
OutBandwidth	Public network outbound bandwidth	Mbps	peeringConnectionId
InBandwidth	Public network inbound bandwidth	Mbps	peeringConnectionId
OutPkg	Public network outbound packets	Packets/sec	peeringConnectionId
InPkg	Public network inbound packets	Packets/sec	peeringConnectionId

Note：

The statistical granularity (`period`) may vary by metrics. You can obtain the `period` supported by each metric by calling the DescribeBaseMetrics API.

Overview of parameters in each dimension

Parameter	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.0.Name	peeringConnectionId	Dimension name of the unique ID of the BM peering connection	Enter a string-type dimension name, such as peeringConnectionId

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Parameter	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.0.Value	peeringConnectionId	Unique ID of the BM peering connection	Enter a specific ID of the BM peering connection, such as pcx-test

Input Parameters

To query the monitoring data of BM peering connection, configure input parameters as follows:

&Namespace=QCE/BM_PCX
&Instances.N.Dimensions.0.Name=peeringConnectionId
&Instances.N.Dimensions.0.Value=

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Monitoring Metrics of a BM Private Network CLB Instance

Last updated：2020-07-28 16:13:57

Namespace

Namespace=QCE/BM_INTRA_LB

Monitoring Metrics

Metric	Description	Unit
Inpkg	Inbound packets	Packets/sec
Outpkg	Outbound packets	Packets/sec
Intraffic	Inbound bandwidth	Mbps
Outtraffic	Outbound bandwidth	Mbps
Connum	Number of current connections (for the layer-4 listener)	-
Req	Number of requests (for the layer-7 listener)	-

Note：

- The statistical granularity (`period`) may vary for different metrics. You can obtain the `period` supported by each metric by calling DescribeBaseMetrics.
- You can query the monitoring metrics of a BM private network CLB instance from multiple dimensions. For more information, see Input Parameters.

Overview of Parameters in Each Dimension

Parameter	Dimension Name	Dimension Description	Format

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Parameter	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.0.Name	vip	Dimension name of the CLB VIP	Enter a string-type dimension name, such as vip.
Instances.N.Dimensions.0.Value	vip	CLB VIP	Enter a specific IP address, such as 111.111.111.11.
Instances.N.Dimensions.1.Name	protocol	Dimension name of the protocol value	Enter a string-type dimension name, such as protocol.
Instances.N.Dimensions.1.Value	protocol	Protocol	Enter a specific protocol value, such as tcp. Possible values: tcp, udp, http, and https
Instances.N.Dimensions.2.Name	loadBalancerPort	Dimension name of the CLB port	Enter a string-type dimension name, such as loadBalancerPort.
Instances.N.Dimensions.2.Value	loadBalancerPort	CLB port	Enter a specific port number, such as 80.
Instances.N.Dimensions.3.Name	lanIp	Dimension name of the IP address of the real server	Enter a string-type dimension name, such as lanIp.
Instances.N.Dimensions.3.Value	lanIp	IP address of the real server	Enter a specific IP address, such as 11.22.33.44.
Instances.N.Dimensions.4.Name	rsPort	Dimension name of the port of the real server	Enter a string-type dimension name, such as rsPort.
Instances.N.Dimensions.4.Value	rsPort	Port of the real server	Enter a specific port number of the real server, such as 8080.

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Parameter	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.5.Name	vpcId	Dimension name of the integer ID of the VPC instance to which the CLB instance belongs	Enter a string-type dimension name, such as vpcId.
Instances.N.Dimensions.5.Value	vpcId	Integer ID of the VPC instance to which the CLB instance belongs	Enter a specific integer ID of the VPC instance to which the CLB instance belongs, such as 1. You can obtain the VPC ID from the `vpcId` field returned by the API for querying the VPC list.

Input Parameters

BM private network CLB allows you to obtain the monitoring data at the following four levels: CLB, listener, listener server, and listener server port.

1. To obtain the monitoring data at the CLB level, set the input parameters as follows:

&Namespace=QCE/BM_INTRA_LB
&Instances.N.Dimensions.0.Name=vip
&Instances.N.Dimensions.0.Value=
&Instances.N.Dimensions.1.Name=vpcId
&Instances.N.Dimensions.1.Value=

2. To obtain the monitoring data at the listener level, set the input parameters as follows:

&Namespace=QCE/BM_INTRA_LB
&Instances.N.Dimensions.0.Name=vip
&Instances.N.Dimensions.0.Value=
&Instances.N.Dimensions.1.Name=protocol
&Instances.N.Dimensions.1.Value=
&Instances.N.Dimensions.2.Name=loadBalancerPort
&Instances.N.Dimensions.2.Value=

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&Instances.N.Dimensions.3.Name=vpcId

&Instances.N.Dimensions.3.Value=

3. To obtain the monitoring data at the listener server level, set the input parameters as follows:

&Namespace=QCE/BM_INTRA_LB

&Instances.N.Dimensions.0.Name=vip

&Instances.N.Dimensions.0.Value=

&Instances.N.Dimensions.1.Name=protocol

&Instances.N.Dimensions.1.Value=

&Instances.N.Dimensions.2.Name=loadBalancerPort

&Instances.N.Dimensions.2.Value=

&Instances.N.Dimensions.3.Name=lanIp

&Instances.N.Dimensions.3.Value=

&Instances.N.Dimensions.4.Name=vpcId

&Instances.N.Dimensions.4.Value=

4. To obtain the monitoring data at the listener server port level, set the input parameters as follows:

&Namespace=QCE/BM_INTRA_LB

&Instances.N.Dimensions.0.Name=vip

&Instances.N.Dimensions.0.Value=

&Instances.N.Dimensions.1.Name=protocol

&Instances.N.Dimensions.1.Value=

&Instances.N.Dimensions.2.Name=loadBalancerPort

&Instances.N.Dimensions.2.Value=

&Instances.N.Dimensions.3.Name=lanIp

&Instances.N.Dimensions.3.Value=

&Instances.N.Dimensions.4.Name=rsPort

&Instances.N.Dimensions.4.Value=

&Instances.N.Dimensions.5.Name=vpcId

&Instances.N.Dimensions.5.Value=

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Monitoring Metrics of a BM Public Network CLB Instance

Last updated：2020-07-28 16:15:50

Namespace

Namespace=QCE/BM_LB

Monitoring Metrics

Metric	Description	Unit
Inpkg	Inbound packets	Packets/sec
Outpkg	Outbound packets	Packets/sec
Intraffic	Inbound bandwidth	Mbps
Outtraffic	Outbound bandwidth	Mbps
Connum	Number of current connections (Layer-4 listener)	-
Req	Number of requests (Layer-7 listener)	-

Note：

- The statistical granularity (`period`) may vary by metrics. You can obtain the `period` supported by each metric by calling the DescribeBaseMetrics API.
- You can query the monitoring metrics of BM public network CLB in multiple dimensions. For more information, see Input Parameters.

Overview of parameters in each dimension

Parameter	Dimension Name	Dimension Description	Format

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Parameter	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.0.Name	vip	Dimension name of the CLB VIP	Enter a string-type dimension name, such as vip
Instances.N.Dimensions.0.Value	vip	CLB VIP	Enter a specific IP address, such as 111.111.111.11
Instances.N.Dimensions.1.Name	protocol	Dimension name of the protocol value	Enter a string-type dimension name, such as protocol
Instances.N.Dimensions.1.Value	protocol	Protocol value	Enter a specific protocol value, such as tcp
Instances.N.Dimensions.2.Name	loadBalancerPort	Dimension name of the CLB port	Enter a string-type dimension name, such as loadBalancerPort
Instances.N.Dimensions.2.Value	loadBalancerPort	CLB port	Enter a specific port number, such as 80
Instances.N.Dimensions.3.Name	lanIp	Dimension name of the IP address of the real server	Enter a string-type dimension name, such as lanIp
Instances.N.Dimensions.3.Value	lanIp	IP address of the real server	Enter a specific IP address, such as 11.22.33.44
Instances.N.Dimensions.4.Name	rsPort	Dimension name of the port of the real server	Enter a string-type dimension name, such as rsPort
Instances.N.Dimensions.4.Value	rsPort	Port of the real server	Enter a specific port number of the real server, such as 8080

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Parameter	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.5.Name	vpcId	Dimension name of the integer ID of the VPC instance to which the CLB instance belongs	Enter a string-type dimension name, such as vpcId
Instances.N.Dimensions.5.Value	vpcId	Integer ID of the VPC instance to which the CLB instance belongs	Enter a specific integer ID of the VPC instance to which the CLB instance belongs, such as 1. You can obtain it from the `vpcId` field returned by the qDescribeVpcs API

Input Parameters

To query the monitoring data of the BM public network CLB instance, configure input parameters as follows:

BM public network CLB allows you to obtain monitoring data at the following four levels:
CLB, listener, listener server, and listener server port.

1. To obtain monitoring data at the CLB level, configure input parameters as follows:

&Namespace=QCE/BM_LB
&Instances.N.Dimensions.0.Name=vip
&Instances.N.Dimensions.0.Value=

2. To obtain monitoring data at the listener level, configure input parameters as follows:

&Namespace=QCE/BM_LB
&Instances.N.Dimensions.0.Name=vip
&Instances.N.Dimensions.0.Value=
&Instances.N.Dimensions.1.Name=protocol
&Instances.N.Dimensions.1.Value=
&Instances.N.Dimensions.2.Name=loadBalancerPort
&Instances.N.Dimensions.2.Value=

3. To obtain monitoring data at the listener server level, configure input parameters as follows:

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&Namespace=QCE/BM_LB

&Instances.N.Dimensions.0.Name=vip

&Instances.N.Dimensions.0.Value=

&Instances.N.Dimensions.1.Name=protocol

&Instances.N.Dimensions.1.Value=

&Instances.N.Dimensions.2.Name=loadBalancerPort

&Instances.N.Dimensions.2.Value=

&Instances.N.Dimensions.3.Name=lanIp

&Instances.N.Dimensions.3.Value=

&Instances.N.Dimensions.4.Name=vpcId

&Instances.N.Dimensions.4.Value=

4. To obtain monitoring data at the listener server port level, configure input parameters as follows:

&Namespace=QCE/BM_LB

&Instances.N.Dimensions.0.Name=vip

&Instances.N.Dimensions.0.Value=

&Instances.N.Dimensions.1.Name=protocol

&Instances.N.Dimensions.1.Value=

&Instances.N.Dimensions.2.Name=loadBalancerPort

&Instances.N.Dimensions.2.Value=

&Instances.N.Dimensions.3.Name=lanIp

&Instances.N.Dimensions.3.Value=

&Instances.N.Dimensions.4.Name=rsPort

&Instances.N.Dimensions.4.Value=

&Instances.N.Dimensions.5.Name=vpcId

&Instances.N.Dimensions.5.Value=

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ECM
Computation and Networking

Last updated：2021-04-15 11:16:38

Namespace

Namespace=QCE/ECM

Monitored Metrics

Note：

When pulling data for the computation and networking metrics, please select Guangzhou as the region.

Metric	Meaning	Description	Unit	Dimension
CpuUsage	CPU utilization	To ensure data precision, internal components of the CVM instance are used to collect and report the data.	%	UUID
CpuLoadavg	CPU load average	One-minute CPU load average, taken from the first column of `/proc/loadavg` (not available for Windows CVMs). The data is collected using CVM Agents.	-	UUID
MemUsed	Memory usage	Memory used, excluding the buffer and system cache. The value is collected with the CVM Agents.	MB	UUID
BaseCpuUsage	Base CPU utilization	The base CPU utilization is collected and reported through the host. The data can be viewed without installing the CVM Agents, and can still be continuously collected and reported under high CVM load.	%	UUID
MemUsage	Usage utilization	The ratio of memory used to total memory capacity, excluding the buffer and system	%	UUID

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		cache.		
LanOuttraffic	Private outbound bandwidth	Average outbound traffic per second of the private ENI	Mbps	UUID
LanIntraffic	Private inbound bandwidth	Average inbound traffic per second of the private ENI	Mbps	UUID
LanOutpkg	Private outbound packets	Number of outbound packets per second of the private ENI	Packets/sec	UUID
LanInpkg	Private inbound packets	Number of inbound packets per second of the private ENI	Packets/sec	UUID
TcpCurrEstab	Number of TCP links	Number of TCP links in `ESTABLISHED` status. The value is collected with the CVM Agents.	-	UUID
WanOuttraffic	Public outbound bandwidth	Average outbound traffic per second over the public network. The minimum granularity is calculated by 10-second total traffic/10 seconds	Mbps	UUID
WanIntraffic	Public inbound bandwidth	Public inbound traffic per second	Mbps	UUID
WanOutpkg	Public outbound packets	Average number of outbound packets per second over the public network	packets/s	UUID
WanInpkg	Public inbound packets	Average number of inbound packets per second over the public network	packets/s	UUID
AccOuttraffic	Public outbound traffic per second	Average outbound traffic per second of the public ENI	Mbps	UUID
RegionIspIntraffic	Region ISP public	Public inbound bandwidth of each ISP in each region	Mbps	Region, ISP

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	inbound bandwidth			
RegionIspOuttraffic	Region ISP public outbound bandwidth	Public outbound bandwidth of each ISP in each region	Mbps	Region, ISP

Note：

The statistic period used for each metric may differ. You can call the `DescribeBaseMetrics` API to obtain the period of each metric.

Dimension Parameters

Parameter	Dimension	Description	Format
Instances.N.Dimensions.0.Name	UUID	Name of the instance UUID	Dimension name (string): uuid
Instances.N.Dimensions.0.Value	UUID	UUID of the instance	Specific UUID, for example, `4ef19d31-3117-455c-ae8e-2029a07d8999`
Instances.N.Dimensions.0.Name	Region	ECM region	Dimension name (string): Region
Instances.N.Dimensions.0.Value	Region	ECM region. You can query the region list by calling the `DescribeNode` API in the ECM service.	Specific ECM region, for example, `ap-zhengzhou-ecm`
Instances.N.Dimensions.1.Name	ISP	Name of the ISP node	Dimension name (string): ISP
Instances.N.Dimensions.1.Value	ISP	Specific ISP of the node. You can query the ISP list by calling the `DescribeNode` API in the ECM service.	Specific ISP of the node, for example, "CTCC" (China Telecom), "CUCC" (China Unicom), and "CMCC" (China Mobile)

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Input Parameters

1. To query the monitoring data of computation and networking, see the following input parameters:

&Namespace=QCE/ECM

&Instances.N.Dimensions.0.Name=UUID

&Instances.N.Dimensions.0.Value=UUID of the instance

2. To query the monitoring data of the public outbound/inbound bandwidth of each ISP in each region, see the following input parameters:

&Namespace=QCE/ECM

&Instances.N.Dimensions.0.Name=Region

&Instances.N.Dimensions.0.Value=ECM region

&Instances.N.Dimensions.1.Name=ISP

&Instances.N.Dimensions.1.Value=ISP of the node

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Layer-4 CLB

Last updated：2021-04-25 16:19:56

Namespace

Namespace=QCE/ECM_LB

Monitoring Metrics

Parameter	Meaning	Description	Unit	Statistical Periods
ConNum	Current connections	Number of connections on the CLB or its listeners in the statistical period	Connections	60s, 300s, 3600s, 86400s
NewConn	New connections	Number of newly established connections on the CLB or its listeners in the statistical period	Connections/sec	60s, 300s, 3600s, 86400s
InPkg	Inbound packets	Number of request data packets received by the CLB per second in the statistical period	Packets/sec	10s, 60s, 300s, 3600s, 86400s
InTraffic	Inbound bandwidth	Bandwidth used by the client to access the CLB via public networks in the statistical period	Mbps	10s, 60s, 300s, 3600s, 86400s
OutPkg	Outbound packets	Number of data packets sent by the CLB per second in the statistical period	Packets/sec	10s, 60s, 300s, 3600s, 86400s
OutTraffic	Outbound bandwidth	Bandwidth used by the CLB to access public networks in the statistical period	Mbps	10s, 60s, 300s, 3600s, 86400s

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Note：

Statistical periods (Period) may vary from metric to metric. You can get the periods different metrics support by calling the `DescribeBaseMetrics` API.

Dimensions and Parameters

Parameter	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.0.name	vip	Dimension name of the CLB VIP	Enter a string-type dimension name: `vip` .
Instances.N.Dimensions.0.value	vip	A CLB VIP	Enter an IP address, e.g., `111.111.111.11` .
Instances.N.Dimensions.1.name	loadBalancerPort	Dimension name of the CLB port	Enter a string-type dimension name: `loadBalancerPort` .
Instances.N.Dimensions.1.value	loadBalancerPort	A CLB listener port	Enter a port number, e.g., `80` .
Instances.N.Dimensions.2.name	protocol	Dimension name of the listener protocol	Enter a string-type dimension name: `protocol` .
Instances.N.Dimensions.2.value	protocol	A listener protocol	Enter a protocol, e.g., `TCP` or `UDP` .
Instances.N.Dimensions.3.name	vpcId	Dimension name of the VPC ID	Enter a string-type dimension name: `vpcId` .
Instances.N.Dimensions.3.value	vpcId	VPC ID of the CLB instance	Enter a VPC ID, e.g., `vpc-1ywqac83` .
Instances.N.Dimensions.4.name	lanIp	Dimension name of the IP address of the real server	Enter a string-type dimension name: `lanIp` .
Instances.N.Dimensions.4.value	lanIp	Private IP address of the real server	Enter an IP address, e.g., `10.12.111.22` .

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Instances.N.Dimensions.5.name	port	Dimension name of the real server port	Enter a string-type dimension name: `port` .
Instances.N.Dimensions.5.Value	port	Service port number of the real server	Enter a port number, e.g., `80` .

Input Parameters

You can query the monitoring data of CLB instances in four dimensions, the input parameters for which are as follows:

1. Query at the instance-level

&Namespace: `QCE` / `ECM_LB`

&Instances.N.Dimensions.0.Name= `vip`

&Instances.N.Dimensions.0.Value=VIP of the CLB instance

2. Query at the listener-level

&Namespace: `QCE` / `ECM_LB`

&Instances.N.Dimensions.0.Name= `vip`

&Instances.N.Dimensions.0.Value=VIP of the CLB instance

&Instances.N.Dimensions.1.Name= `loadBalancerPort`

&Instances.N.Dimensions.1.Value=Listener port number

&Instances.N.Dimensions.2.Name= `protocol`

&Instances.N.Dimensions.2.Value=Protocol

3 Query at the real server-level

&Namespace: `QCE` / `ECM_LB`

&Instances.N.Dimensions.0.Name= `vip`

&Instances.N.Dimensions.0.Value=VIP of the CLB instance

&Instances.N.Dimensions.1.Name= `loadBalancerPort`

&Instances.N.Dimensions.1.Value=Listener port number

&Instances.N.Dimensions.2.Name= `protocol`

&Instances.N.Dimensions.2.Value=Protocol

&Instances.N.Dimensions.3.Name= `vpcId`

&Instances.N.Dimensions.3.Value=VPC ID of the CLB instance

&Instances.N.Dimensions.4.Name= `lanIp`

&Instances.N.Dimensions.4.Value=Private IP address of the real server

4. Query at the real server port-level

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&Namespace: `QCE` / `ECM_LB`

&Instances.N.Dimensions.0.Name= `vip`

&Instances.N.Dimensions.0.Value=VIP of the CLB instance

&Instances.N.Dimensions.1.Name= `loadBalancerPort`

&Instances.N.Dimensions.1.Value=Listener port number

&Instances.N.Dimensions.2.Name= `protocol`

&Instances.N.Dimensions.2.Value=Protocol

&Instances.N.Dimensions.3.Name= `vpcId`

&Instances.N.Dimensions.3.Value=VPC ID of the CLB instance

&Instances.N.Dimensions.4.Name= `lanIp`

&Instances.N.Dimensions.4.Value=Private IP address of the real server

&Instances.N.Dimensions.5.Name= `port`

&Instances.N.Dimensions.5.Value=Service port number of the real server

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EMR

EMR (HDFS)

Last updated：2020-07-28 16:16:57

Namespace

Namespace=QCE/TXMR_HDFS

Monitoring Metrics

EMR (HDFS) provides the following metrics: HDFS - Overview, HDFS - OverviewAggregation, HDFS - NameNode, HDFS - DataNode, HDFS - Journal Node, and HDFS - ZKFC.

> For more information on the parameters in each dimension, please see Overview of the Parameters in Each Dimension.

HDFS - Overview

Parameter	Metric Name	Unit	Description
EmrHdfsOverview HdfsNnBlockCapacityTotal	Cluster storage capacity_CapacityTotal	GB	Total cluster storage capac
EmrHdfsOverview HdfsNnBlockCapacityUsed	Cluster storage capacity_CapacityUsed	GB	Used cluster storage capac
EmrHdfsOverview HdfsNnBlockCapacityRemaining	Cluster storage capacity_CapacityRemaining	GB	Remaining cluster storage capacity
EmrHdfsOverview HdfsNnBlockCapacity UsedNonDFS	Cluster storage capacity_CapacityUsedNonDFS	GB	Non-HDFS us cluster capaci
EmrHdfsOverview HdfsNnBlockTotalLoad	Cluster load_TotalLoad	Count	Number of current connections

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Parameter	Metric Name	Unit	Description
EmrHdfsOverview HdfsNnBlockFilesTotal	Total number of cluster files_FilesTotal	Count	Total number c files
EmrHdfsOverview HdfsNnBlockBlockstotal	Number of blocks_BlocksTotal	Count	Total number c blocks
EmrHdfsOverview HdfsNnBlockPending ReplicationBlocks	Number of blocks_PendingReplicationBlocks	Count	Number of blocks waiting be backed up
EmrHdfsOverview HdfsNnBlockUnder ReplicatedBlocks	Number of blocks_UnderReplicatedBlocks	Count	Number of blocks with insufficient replicas
EmrHdfsOverview HdfsNnBlockBlocksCorruptblocks	Number of blocks_CorruptBlocks	Count	Number of corrupted bloc
EmrHdfsOverview HdfsNnBlockScheduled ReplicationBlocks	Number of blocks_ScheduledReplicationBlocks	Count	Number of blocks arrange for backup
EmrHdfsOverview HdfsNnBlockPending DeletionBlocks	Number of blocks_PendingDeletionBlocks	Count	Number of blocks waiting be deleted
EmrHdfsOverview HdfsNnBlockCorruptblocks	Number of blocks_CorruptBlocks	Count	Number of excessive bloc
EmrHdfsOverview HdfsNnBlockPostponed MisreplicatedBlocks	Number of blocks_PostponedMisreplicatedBlocks	Count	Number of blocks with exceptions tha were postpone to be processe
EmrHdfsOverview HdfsNnBlockBlockCapacity	Capacity of blocks_BlockCapacity	Count	Capacity of blocks
EmrHdfsOverview HdfsNnBlockNumLiveDataNodes	Cluster DataNodes_NumLiveDataNodes	Count	Number of live DataNodes
EmrHdfsOverview HdfsNnBlockNumDeadDataNodes	Cluster DataNodes_NumDeadDataNodes	Count	Number of DataNodes marked as dea

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Parameter	Metric Name	Unit	Description
EmrHdfsOverview HdfsNnBlockNum DecomLiveDataNodes	Cluster DataNodes_NumDecomLiveDataNodes	Count	Number of decommission live nodes
EmrHdfsOverview HdfsNnBlockNum DecomDeadDataNodes	Cluster DataNodes_NumDecomDeadDataNodes	Count	Number of decommission dead nodes
EmrHdfsOverview HdfsNnBlockNum DecommissioningDataNodes	Cluster DataNodes_NumDecommissioningDataNodes	Count	Number of decommission nodes
EmrHdfsOverview HdfsNnBlockNum StaleDataNodes	Cluster DataNodes_NumStaleDataNodes	Count	Number of current DataNodes marked as expired due to heartbeat dela
EmrHdfsOverview HdfsNnBlockSnapshots	Snapshots_Snapshots	Count	Number of snapshots
EmrHdfsOverview HdfsNnBlockVolumeFailuresTotal	Disk failures_VolumeFailuresTotal	Count	Total number o failures on all DataNodes

HDFS - OverviewAggregation

Parameter	Metric Name	Unit	Description
EmrHdfsOverview Aggregation HdfsNnBlockCapacityTotal	Cluster storage capacity_CapacityTotal	GB	Total cluster storage capacity
EmrHdfsOverview Aggregation HdfsNnBlockCapacityUsed	Cluster storage capacity_CapacityUsed	GB	Used cluster storage capacity
EmrHdfsOverview AggregationHdfsNn BlockCapacityRemaining	Cluster storage capacity_CapacityRemaining	GB	Remaining cluster storage capacity

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Parameter	Metric Name	Unit	Description
EmrHdfsOverview AggregationHdfsNn BlockCapacity UsedNonDFS	Cluster storage capacity_CapacityUsedNonDFS	GB	Non-HDFS used cluster capacity
EmrHdfsOverview AggregationHdfsNn BlockTotalLoad	Cluster load_TotalLoad	Count	Number of current connections
EmrHdfsOverview AggregationHdfsNn BlockFilesTotal	Total number of cluster files_FilesTotal	Count	Total number of files
EmrHdfsOverview AggregationHdfsNn BlockBlockstotal	Number of blocks_BlocksTotal	Count	Total number of blocks
EmrHdfsOverview AggregationHdfsNn BlockPending ReplicationBlocks	Number of blocks_PendingReplicationBlocks	Count	Number of blocks waiting to be backed up
EmrHdfsOverview AggregationHdfsNn BlockUnder ReplicatedBlocks	Number of blocks_UnderReplicatedBlocks	Count	Number of blocks with insufficient replicas
EmrHdfsOverview AggregationHdfsNn BlockBlocksCorruptblocks	Number of blocks_CorruptBlocks	Count	Number of corrupted blocks
EmrHdfsOverview AggregationHdfsNn BlockScheduled ReplicationBlocks	Number of blocks_ScheduledReplicationBlocks	Count	Number of blocks arranged for backup
EmrHdfsOverview AggregationHdfsNn BlockPending DeletionBlocks	Number of blocks_PendingDeletionBlocks	Count	Number of blocks waiting to be deleted
EmrHdfsOverview AggregationHdfsNn BlockCorruptblocks	Number of blocks_CorruptBlocks	Count	Number of excessive blocks

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Parameter	Metric Name	Unit	Description
EmrHdfsOverview AggregationHdfsNn BlockPostponed MisreplicatedBlocks	Number of blocks_PostponedMisreplicatedBlocks	Count	Number of blocks with exceptions that were postponed to be processed
EmrHdfsOverview AggregationHdfsNn BlockBlockCapacity	Capacity of blocks_BlockCapacity	Count	Capacity of blocks
EmrHdfsOverview AggregationHdfsNn BlockNumLiveDataNodes	Cluster DataNodes_NumLiveDataNodes	Count	Number of live DataNodes
EmrHdfsOverview AggregationHdfsNn BlockNumDeadDataNodes	Cluster DataNodes_NumDeadDataNodes	Count	Number of DataNodes marked as dead
EmrHdfsOverview AggregationHdfsNn BlockNum DecomLiveDataNodes	Cluster DataNodes_NumDecomLiveDataNodes	Count	Number of decommissioned live nodes
EmrHdfsOverview AggregationHdfsNn BlockNum DecomDeadDataNodes	Cluster DataNodes_NumDecomDeadDataNodes	Count	Number of decommissioned dead nodes
EmrHdfsOverview AggregationHdfsNn BlockNum DecommissioningDataNodes	Cluster DataNodes_NumDecommissioningDataNodes	Count	Number of decommissioning nodes
EmrHdfsOverview AggregationHdfsNn BlockNum StaleDataNodes	Cluster DataNodes_NumStaleDataNodes	Count	Number of current DataNodes marked as expired due to heartbeat delay
EmrHdfsOverview AggregationHdfsNn BlockSnapshots	Snapshots_Snapshots	Count	Number of snapshots

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Parameter	Metric Name	Unit	Description
EmrHdfsOverview AggregationHdfsNn BlockVolumeFailuresTotal	Disk failures_VolumeFailuresTotal	Count	Total number of failures on all DataNodes

HDFS - NameNode

Parameter	Metric Name	Unit	Description
HdfsNnPort4007RxtxReceivedbytes	Data traffic_ReceivedBytes	Bytes/s	Data receivi
HdfsNnPort4007RxtxSentbytes	Data traffic_SentBytes	Bytes/s	Data sendin
HdfsNnPort4007Qps Rpcqueuetimenumops	QPS_RpcQueueTimeNumOps	Calls/s	RPC call rat
HdfsNnPort4007RtRpc queuetimeavgtime	Request processing delay _RpcQueueTimeAvgTime	ms	Average RP
HdfsNnPort4007AuthRpc authenticationfailures	Authentication and authorization _RpcAuthenticationFailure	Count	Number of F failures
HdfsNnPort4007AuthRpc authenticationsuccesses	Authentication and authorization _RpcAuthenticationSuccesses	Count	Number of F successes
HdfsNnPort4007AuthRpc authorizationfailures	Authentication and authorization _RpcAuthorizationFailures	Count	Number of F failures
HdfsNnPort4007AuthRpc authorizationsuccesses	Authentication and authorization _RpcAuthorizationSuccesses	Count	Number of F successes
HdfsNnPort4007Connections Numopenconnections	Number of current connections _NumOpenConnections	Count	Number of c
HdfsNnPort4007Queue LenCallqueuelength	RPC processing queue length _CallQueueLength	Count	Length of cu processing c
HdfsNnJvmMemMemnonheapusedm	JVM memory _MemNonHeapUsedM	MB	Size of the N currently use
HdfsNnJvmMemMemnon heapcommittedm	JVM memory _MemNonHeapCommittedM	MB	JVM memor

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Parameter	Metric Name	Unit	Description
HdfsNnJvmMemMemheapusedm	JVM memory _MemHeapUsedM	MB	Size of the H currently use
HdfsNnJvmMem Memheapcommittedm	JVM memory _MemHeapCommittedM	MB	Size of the H committed b
HdfsNnJvmMemMemheapmaxm	JVM memory_MemHeapMaxM	MB	Size of the H configured b
HdfsNnJvmMemMemmaxm	JVM memory_MemMaxM	MB	Maximum m can be used runtime
HdfsNnBlockReportRt Blockreportavgtime	Block reporting delay _BlockReportAvgTime	Blocks/s	Average del DataNode b
HdfsNnGcUtilGcCountFgc	GC count_FGC	Operations/s	Full GC cou
HdfsNnGcUtilGcCountYgc	GC count_YGC	2 operations/s	Young GC c
HdfsNnGcUtilGcTimeYgct	GC time_YGCT	ms	Time consu
HdfsNnGcUtilGcTimeFgct	GC time_FGCT	ms	Time consu
HdfsNnGcUtilGcTimeGct	GC time_GCT	ms	Time used t
HdfsNnJvmJavaThreadsThreadsnew	Number of JVM threads _ThreadsNew	Count	Number of t state
HdfsNnJvmJavaThreads Threadsrunnable	Number of JVM threads _ThreadsRunnable	Count	Number of t runnable sta
HdfsNnJvmJavaThreads Threadsblocked	Number of JVM threads _ThreadsBlocked	Count	Number of t blocked stat
HdfsNnJvmJavaThreads Threadswaiting	Number of JVM threads _ThreadsWaiting	Count	Number of t WAITING st
HdfsNnJvmJavaThreads Threadstimedwaiting	Number of JVM threads _ThreadsTimedWaiting	Count	Number of t TIMED WAI

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Parameter	Metric Name	Unit	Description
HdfsNnJvmJavaThreads Threadsterminated	Number of JVM threads _ThreadsTerminated	Count	Number of t Terminated
HdfsNnJvmLogTotalLogfatal	Number of JVM logs_LogFatal	Count	Number of F
HdfsNnJvmLogTotalLogerror	Number of JVM logs_LogError	Count	Number of E
HdfsNnJvmLogTotalLogwarn	Number of JVM logs_LogWarn	Count	Number of W
HdfsNnJvmLogTotalLoginfo	Number of JVM logs_LogInfo	Count	Number of I
HdfsNnGcUtilMemoryS0	Memory space percentage_S0	%	Percentage memory
HdfsNnGcUtilMemoryS1	Memory space percentage_S1	%	Percentage memory
HdfsNnGcUtilMemoryE	Memory space percentage_E	%	Percentage memory
HdfsNnGcUtilMemoryO	Memory space percentage_O	%	Percentage memory
HdfsNnGcUtilMemoryM	Memory space percentage_M	%	Percentage Metaspace
HdfsNnGcUtilMemoryCcs	Memory space percentage_CCS	%	Percentage compressec
HdfsNnStaleStorages CountNumstalestorages	Number of storages marked as expired _NumStaleStorages	Count	Number of c marked as e heartbeat de
HdfsNnPendingDatanodeMessage CountPendingdatanode messagecount	Number of pending block operation messages on the standby NameNode _PendingDataNode MessageCount	Requests/s	Number of D queued on t NameNode
HdfsNnBlocksMissingNum berofmissingblocks	Total number of missing blocks _NumberOfMissingBlocks	Count	Number of n

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Parameter	Metric Name	Unit	Description
HdfsNnBlocksMissingNumberof missingblockswithreplication factorOne	Total number of missing blocks_NumberOf MissingBlocksWithReplication FactorOne	Count	Number of r 1)
HdfsNnSnapshotOpsAllowsnapshotops	Snapshot operations _AllowSnapshotOps	Operations/s	Number of A operations e second
HdfsNnSnapshotOps Disallowsnapshotops	Snapshot operations _DisallowSnapshotOps	Operations/s	Number of D operations e second
HdfsNnSnapshotOps Createsnapshotops	Snapshot operations _CreateSnapshotOps	Operations/s	Number of C operations e second
HdfsNnSnapshotOps Deletesnapshotops	Snapshot operations _DeleteSnapshotOps	Operations/s	Number of D operations e second
HdfsNnSnapshotOps Listsnapshottabledirops	Snapshot operations_ListSnapshottableDirOps	Operations/s	Number of ListSnapsho operations e second
HdfsNnSnapshotOps Snapshotdiffreportops	Snapshot operations_SnapshotDiffReportOps	Operations/s	Number of SnapshotDif operations e second
HdfsNnSnapshotOps Renamesnapshotops	Snapshot operations_RenameSnapshotOps	Operations/s	Number of RenameSna operations e second
HdfsNnFilesOpsCreatefileops	File operations_CreateFileOps	Operations/s	Number of C operations e second
HdfsNnFilesOpsGetlistingops	File operations_GetListingOps	Operations/s	Number of C operations e second

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Parameter	Metric Name	Unit	Description
HdfsNnFilesOpsTotalfileops	File operations_TotalFileOps	Operations/s	Number of T operations e second
HdfsNnFilesOpsDeletefileops	File operations_DeleteFileOps	Operations/s	Number of D operations e second
HdfsNnFilesOpsFileinfoops	File operations_FileInfoOps	Operations/s	Number of F executed pe
HdfsNnFilesOpsGetadditional datanodeops	File operations _GetAdditionalDatanodeOps	Operations/s	Number of GetAddition operations e second
HdfsNnFilesOpsCreatesymlinkops	File operations_CreateSymlinkOps	Operations/s	Number of C operations e second
HdfsNnFilesOpsGetlinktargetops	File operations_GetLinkTargetOps	Operations/s	Number of C operations e second
HdfsNnFilesOpsFilesingetlistingops	File operations _FilesInGetListingOps	Operations/s	Number of F operations e second
HdfsNnTransactionOps Transactionsnumops	Transaction operations _TransactionsNumOps	Operations/s	Number of J operations p second
HdfsNnTransactionOps Transactionsbatchedinsync	Transaction operations _TransactionsBatchedInSync	Operations/s	Number of J operations p batches per
HdfsNnImageOpsGeteditnumops	Image operations_GetEditNumOps	Operations/s	Number of C operations e second
HdfsNnImageOpsGetimagenumops	Image operations_GetImageNumOps	Operations/s	Number of C operations e second

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Parameter	Metric Name	Unit	Description
HdfsNnImageOpsPutimagenumops	Image operations_PutImageNumOps	Operations/s	Number of F operations e second
HdfsNnSyncsOpsSyncsnumops	Sync operations_SyncsNumOps	Operations/s	Number of J operations p second
HdfsNnBlocksOpsBlock receivedanddeletedops	Data block operations _BlockOpsQueued	Operations/s	Number of BlockRecei operations e second
HdfsNnBlocksOpsBlockopsqueued	Data block operations _BlockOpsQueued	Operations/s	Delay in pro block report
HdfsNnCacheReportOps Cachereportnumops	Cache reporting _CacheReportNumOps	Operations/s	Number of C operations p second
HdfsNnBlockReportOps Blockreportnumops	Block reporting _BlockReportNumOps	Operations/s	Number of D reporting op per second
HdfsNnSyncsRtSyncsavgtime	Sync operation delay_SyncsAvgTime	ms	Average del Journal sync
HdfsNnCacheReportRt Cachereportavgtime	Cache reporting delay_CacheReportAvgTime	ms	Average del reporting op
HdfsNnImageRtGeteditavgtime	Image operation delay _GetEditAvgTime	ms	Average del Edit file
HdfsNnImageRtGetimageavgtime	Image operation delay _GetImageAvgTime	ms	Average del image file
HdfsNnImageRtPutimageavgtime	Image operation delay _PutImageAvgTime	ms	Average del image file
HdfsNnTransactionRt Transactionsavgtime	Transaction operation delay _TransactionsAvgTime	ms	Average del Journal tran
HdfsNnStartTimeStarttime	Start time_StartTime	ms	Process sta

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Parameter	Metric Name	Unit	Description
HdfsNnStateState	Primary/secondary status_State	-	NN status
HdfsNnThreadCountPeakthreadcount	Number of threads_PeakThreadCount	Count	Peak numbe
HdfsNnThreadCountThreadcount	Number of threads_ThreadCount	Count	Number of t
HdfsNnThreadCount Daemonthreadcount	Number of threads_DaemonThreadCount	Count	Number of b threads

HDFS - DataNode

Parameter	Metric Name	Unit	Description
HdfsDnXceiverXceivercount	Number of Xceivers_XceiverCount	Xceivers	Number of Xcei
HdfsDnBytesByteswrittenmb	Data read/write rate_BytesReadMB	Bytes/s	DN byte write ra
HdfsDnBytesBytesreadmb	Data read/write rate_BytesReadMB	Bytes/s	DN byte read ra
HdfsDnBytesRemotebytesreadmb	Data read/write rate _RemoteBytesReadMB	Bytes/s	Rate of bytes re the remote clien
HdfsDnBytesRemoteby teswrittenmb	Data read/write rate _RemoteBytesWrittenMB	Bytes/s	Rate of bytes w by the remote c
HdfsDnClientWritesfrom remoteclient	Number of client connections _WritesFromRemoteClient	Count	QPS of write operations from remote client
HdfsDnClientWritesfromlocalclient	Number of client connections _WritesFromLocalClient	Count	OPS of write operations from local client
HdfsDnClientReadsfrom remoteclient	Number of client connections _ReadsFromRemoteClient	Count	QPS of read operations from remote client

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Parameter	Metric Name	Unit	Description
HdfsDnClientReadsfromlocalclient	Number of client connections _ReadsFromLocalClient	Count	QPS of read operations from local client
HdfsDnBlocksVerifiedFailures Blockverificationfailures	Block check failure _BlockVerificationFailures	Failures/s	Number of bloc check failures
HdfsDnVolumeFailures Volumefailures	Disk failures_VolumeFailures	Failures/s	Number of disk failures
HdfsDnNetworkErrors Datanodenetworkerrors	Network errors _DatanodeNetworkErrors	Errors/s	Total number of network errors
HdfsDnHbRtHeartbeatsavgtime	Heartbeat delay_HeartbeatsAvgTime	ms	Average heartb API time
HdfsDnHbOpsHeartbeatsnumops	Heartbeat QPS_HeartbeatsNumOps	Heartbeats/s	Heartbeat API (
HdfsDnDatapacketAvgtimeSend datapackettransfer nanosavgtime	Packet transfer operations QPS_SendDataPacketTransfer NanosAvgTime	ms	Average data pa sending time
HdfsDnBlocksOpsRead blockopnumops	Data block operations _ReadBlockOpNumOps	Operations/s	OPS of block re from the DataN
HdfsDnBlocksOpsWrite blockopnumops	Data block operations _WriteBlockOpNumOps	Operations/s	OPS of block w the DataNode
HdfsDnBlocksOpsBlock checksumopnumops	Data block operations _BlockChecksumOpNumOps	Operations/s	OPS of Checks operations by th DataNode
HdfsDnBlocksOpsCopy blockopnumops	Data block operations _CopyBlockOpNumOps	Operations/s	OPS of block co operations
HdfsDnBlocksOpsReplace blockopnumops	Data block operations _ReplaceBlockOpNumOps	Operations/s	OPS of Replace operations
HdfsDnBlocksOpsBlock reportsnumops	Data block operations _BlockReportsNumOps	Operations/s	OPS of block reporting operat
HdfsDnBlocksOpsIncremental blockreports numops	Data block operations _IncrementalBlockReports NumOps	Operations/s	OPS of increme block reporting

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Parameter	Metric Name	Unit	Description
HdfsDnBlocksOpsCache reportsnumops	Data block operations _CacheReportsNumOps	Operations/s	OPS of cache reporting
HdfsDnBlocksOpsPacketack roundtriptimenanos numops	Data block operations _PacketAckRoundTripTimeNanos NumOps	Operations/s	Number of ACK ROUND TRIP operations proc per second
HdfsDnFsyncOpsFsync nanosnumops	Fsync operations _FsyncNanosNumOps	Operations/s	Number of Fsyr operations
HdfsDnFlushOpsFlush nanosnumops	Flush operations _FlushNanosNumOps	Operations/s	Number of Flus operations proc per second
HdfsDnBlocksRtRead blockopavgtime	Data block operation delay _ReadBlockOpAvgTime	ms	Average block r time
HdfsDnBlocksRtWrite blockopavgtime	Data block operation delay _ReplaceBlockOpAvgTime	ms	Average block v time
HdfsDnBlocksRtBlock checksumopavgtime	Data block operation delay_BlockChecksumOpAvgTime	ms	Average block c time
HdfsDnBlocksRtCopy blockopavgtime	Data block operation delay _CopyBlockOpAvgTime	ms	Average block c time
HdfsDnBlocksRt Replaceblockopavgtime	Data block operation delay _Replaceblockopavgtime	ms	Average Replac Block operation
HdfsDnBlocksRtBlock reportsavgtime	Data block operation delay _BlockReportsAvgTime	ms	Average block reporting time
HdfsDnBlocksRtIncremental blockreportsavgtime	Data block operation delay _IncrementalBlockReportsAvgTime	ms	Average time of incremental bloc reporting
HdfsDnBlocksRtCache reportsavgtime	Data block operation delay _CacheReportsAvgTime	ms	Average time of reporting
HdfsDnBlocksRtPacketack roundtriptimenanos avgtime	Data block operation delay _PacketAckRoundTripTimeNanos AvgTime	ms	Average time of processing ACK ROUND TRIP

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Parameter	Metric Name	Unit	Description
HdfsDnFlushRtFlushnanosavgtime	Flush delay_FlushNanosAvgTime	ms	Average Flush operation time
HdfsDnFsyncRtFsyncnanosavgtime	Fsync delay_FsyncNanosAvgTime	ms	Average Fsync operation time
HdfsDnRamBlocksOp Ramdiskblockswrite	RAMDISKBlocks_Ram DiskBlocksWrite	Blocks/s	Total number of blocks written to memory
HdfsDnRamBlocksOp Ramdiskblockswritefallback	RAMDISKBlocks_Ram DiskBlocksWriteFallback	Blocks/s	Total number of blocks failed to written to the me (failover to the d
HdfsDnRamBlocksOpRamdisk blocksdeletedbeforelazypersisted	RAMDISKBlocks_RamDiskBlocks DeletedBeforeLazyPersisted	Blocks/s	Total number of blocks deleted b the application i saved to the dis
HdfsDnRamBlocksOp Ramdiskblocksreadhits	RAMDISKBlocks_Ram DiskBlocksReadHits	Blocks/s	Total number of from the blocks memory
HdfsDnRamBlocksOp Ramdiskblocksevicted	RAMDISKBlocks_Ram DiskBlocksEvicted	Blocks/s	Total number of blocks cleared i memory
HdfsDnRamBlocksOpRamdisk blocksevictedwithoutread	RAMDISKBlocks_RamDiskBlocks EvictedWithoutRead	Blocks/s	Total number of blocks retrieved the memory
HdfsDnRamBlocksOp Ramdiskblockslazypersisted	RAMDISKBlocks_RamDisk BlocksLazyPersisted	Blocks/s	Number of disk by the lazy write
HdfsDnRamBlocksOp Ramdiskbyteslazypersisted	RAMDISKBlocks_Ram DiskBytesLazyPersisted	Bytes/s	Total number of written to the dis the lazy writer
HdfsDnRamBlocksBytes Ramdiskbyteswrite	RAM Disk write speed_RamDiskBytesWrite	Bytes/s	Total number of written to the me
HdfsDnJvmMem Memnonheapusedm	JVM memory _MemNonHeapUsedM	MB	Size of the NonHeapMemo currently used b

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Parameter	Metric Name	Unit	Description
HdfsDnJvmMem Memnonheapcommittedm	JVM memory _MemNonHeapCommittedM	MB	Size of the NonHeapComm configured by J
HdfsDnJvmMemMemheapusedm	JVM memory _MemHeapUsedM	MB	Size of the HeapMemory currently used b
HdfsDnJvmMem Memheapcommittedm	JVM memory _MemHeapCommittedM	MB	Size of the HeapMemory committed by J
HdfsDnJvmMemMemheapmaxm	JVM memory _MemHeapMaxM	MB	Size of the HeapMemory configured by J
HdfsDnJvmMemMemmaxm	JVM memory _MemMaxM	MB	Maximum mem size that can be by JVM during runtime
HdfsDnJvmJavaThreadsThreadsnew	Number of JVM threads _ThreadsNew	Count	Number of threa the new state
HdfsDnJvmJavaThreads Threadsrunnable	Number of JVM threads _ThreadsRunnable	Count	Number of threa the runnable sta
HdfsDnJvmJavaThreads Threadsblocked	Number of JVM threads _ThreadsBlocked	Count	Number of threa the blocked stat
HdfsDnJvmJavaThreads Threadswaiting	Number of JVM threads _ThreadsWaiting	Count	Number of threa the WAITING st
HdfsDnJvmJavaThreads Threadstimedwaiting	Number of JVM threads _ThreadsTimedWaiting	Count	Number of threa the TIMED WAI state
HdfsDnJvmJavaThreads Threadsterminated	Number of JVM threads _ThreadsTerminated	Count	Number of threa the Terminated
HdfsDnJvmLogTotalLogfatal	Number of JVM logs_LogFatal	Count	Number of Fata
HdfsDnJvmLogTotalLogerror	Number of JVM logs_LogError	Count	Number of Erro

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Parameter	Metric Name	Unit	Description
HdfsDnJvmLogTotalLogwarn	Number of JVM logs_LogWarn	Count	Number of Wan
HdfsDnJvmLogTotalLoginfo	Number of JVM logs_LogInfo	Count	Number of Info
HdfsDnGcUtilMemoryS0	Memory space percentage_S0	%	Percentage of u Survivor 0 mem
HdfsDnGcUtilMemoryS1	Memory space percentage_S1	%	Percentage of u Survivor 1 mem
HdfsDnGcUtilMemoryE	Memory space percentage_E	%	Percentage of u Eden memory
HdfsDnGcUtilMemoryO	Memory space percentage_O	%	Percentage of u Old memory
HdfsDnGcUtilMemoryM	Memory space percentage_M	%	Percentage of u Metaspace mer
HdfsDnGcUtilMemoryCcs	Memory space percentage_CCS	%	Percentage of memory used b compressed cla space
HdfsDnGcUtilGcCountFgc	GC count_FGC	Count	Full GC count
HdfsDnGcUtilGcCountYgc	GC count_YGC	Count	Young GC cour
HdfsDnGcUtilGcTimeYgct	GC time_YGCT	s	Time consumec Young GC
HdfsDnGcUtilGcTimeFgct	GC time_FGCT	s	Time consumec Full GC
HdfsDnGcUtilGcTimeGct	GC time_GCT	s	Time used to cc garbage
HdfsDnPort4004RxtxReceivedbytes	Data traffic_ReceivedBytes	Bytes/s	Data receiving r

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Parameter	Metric Name	Unit	Description
HdfsDnPort4004RxtxSentbytes	Data traffic_SentBytes	Bytes/s	Data sending ra
HdfsDnPort4004QpsRpc queuetimenumops	QPS_RpcQueueTimeNumOps	Queries/s	RPC call rate
HdfsDnPort4004RtRpc queuetimeavgtime	Request processing delay _RpcQueueTimeAvgTime	ms	Average RPC d
HdfsDnPort4004AuthRpc authenticationfailures	Authentication and authorization _RpcAuthenticationFailures	Failures/s	Number of RPC authentication fa
HdfsDnPort4004AuthRpc authenticationsuccesses	Authentication and authorization _RpcAuthenticationSuccesses	Successes/s	Number of RPC authentication successes
HdfsDnPort4004AuthRpc authorizationfailures	Authentication and authorization _RpcAuthorizationFailures	Failures/s	Number of RPC authorization fa
HdfsDnPort4004AuthRpc authorizationsuccesses	Authentication and authorization _RpcAuthorizationSuccesses	Successes/s	Number RPC authorization successes
HdfsDnPort4004Connections Numopenconnections	Number of current connections _NumOpenConnections	Count	Number of curre connections
HdfsDnPort4004QueueLen Callqueuelength	RPC processing queue length _CallQueueLength	Count	Length of the cu RPC processing queue
HdfsDnThreadTimeCurrent threadcputime	CPU time _CurrentThreadCpuTime	ms	CPU time
HdfsDnThreadTimeCurrent threadusertime	CPU time _CurrentThreadUserTime	ms	User time
HdfsDnStartTimeStarttime	Start time_StartTime	s	Process start tir
HdfsDnThreadCount Peakthreadcount	Number of threads_PeakThreadCount	Count	Peak number of threads
HdfsDnThreadCount Daemonthreadcount	Number of threads_DaemonThreadCount	Count	Number of background thre

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Parameter	Metric Name	Unit	Description
HdfsDnRtWrit	Read/write delay_Write	MB/s	Disk write rate
HdfsDnRtRead	Read/write delay_Read	Queries/s	Read QPS
HdfsDnDatapacketOps Datapacketops	Packet transfer QPS_DataPacketOps	Queries/s	Packet transfer

HDFS - Journal Node

Parameter	Metric Name	Unit	Description
HdfsJnJvmMemMemnon heapusedm	JVM memory_MemNonHeapUsedM	MB	Size of the NonHeapMemor currently used by JVM
HdfsJnJvmMemMemnon heapcommittedm	JVM memory_MemNonHeapCommittedM	MB	JVM memory
HdfsJnJvmMemMem heapusedm	JVM memory_MemHeapUsedM	MB	Size of the HeapMemory currently used by JVM
HdfsJnJvmMemMem heapcommittedm	JVM memory_MemHeapCommittedM	MB	Size of the HeapMemory committed by JVM
HdfsJnJvmMemMem heapmaxm	JVM memory_MemHeapMaxM	MB	Size of the HeapMemory configured by JVM
HdfsJnJvmMemMemmaxm	JVM memory_MemMaxM	MB	Maximum memory size tha can be used by JVM during runtime

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Parameter	Metric Name	Unit	Description
HdfsJnJvmJavaThreads Threadsnew	Number of JVM threads_ThreadsNew	Count	Number of threads in the new state
HdfsJnJvmJavaThreads Threadsrunnable	Number of JVM threads_ThreadsRunnable	Count	Number of threads in the runnable state
HdfsJnJvmJavaThreads Threadsblocked	Number of JVM threads_ThreadsBlocked	Count	Number of threads in the blocked state
HdfsJnJvmJavaThreads Threadswaiting	Number of JVM threads_ThreadsWaiting	Count	Number of threads in the WAITING state
HdfsJnJvmJavaThreads Threadstimedwaiting	Number of JVM threads_ThreadsTimedWaiting	Count	Number of threads in the TIMED WAITIN state
HdfsJnJvmJavaThreads Threadsterminated	Number of JVM threads_ThreadsTerminated	Count	Number of threads in the Terminated stat
HdfsJnJvmLogTotalLogfatal	Number of JVM logs_LogFatal	Count	Number of Fatal logs
HdfsJnJvmLogTotalLogerror	Number of JVM logs_LogError	Count	Number of Error logs
HdfsJnJvmLogTotalLogwarn	Number of JVM logs_LogWarn	Count	Number of Warn logs
HdfsJnJvmLogTotalLoginfo	Number of JVM logs_LogInfo	Count	Number of Info logs
HdfsJnGcUtilMemoryS0	Memory space percentage_S0	%	Percentage of used Survivor 0 memory
HdfsJnGcUtilMemoryS1	Memory space percentage_S1	%	Percentage of used Survivor 1 memory

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Parameter	Metric Name	Unit	Description
HdfsJnGcUtilMemoryE	Memory space percentage_E	%	Percentage of used Eden memory
HdfsJnGcUtilMemoryO	Memory space percentage_O	%	Percentage of used Old memor
HdfsJnGcUtilMemoryM	Memory space percentage_M	%	Percentage of used Metaspace memory
HdfsJnGcUtilMemoryCcs	Memory space percentage_CCS	%	Percentage of memory used by compressed class space
HdfsJnGcUtilGcCountFgc	GC count_FGC	Count	Full GC count
HdfsJnGcUtilGcCountYgc	GC count_YGC	Count	Young GC count
HdfsJnGcUtilGcTimeYgct	GC time_YGCT	s	Time consumed by Young GC
HdfsJnGcUtilGcTimeFgct	GC time_FGCT	s	Time consumed by Full GC
HdfsJnGcUtilGcTimeGct	GC time_GC	s	Time used to collect garbage
HdfsJnPort4005Rxtx Receivedbytes	Data traffic_ReceivedBytes	Bytes/s	Data receiving rate
HdfsJnPort4005Rxtx Receivedbytes	Data traffic_ReceivedBytes	Bytes/s	Data sending rat
HdfsJnPort4005QpsRpc queuetimenumops	QPS_RpcQueueTimeNumOps	Queries/s	RPC call rate
HdfsJnPort4005RtRpc queuetimeavgtime	Request processing delay_RpcQueueTimeAvgTime	ms	Average RPC delay

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Parameter	Metric Name	Unit	Description
HdfsJnPort4005AuthRpc authenticationfailures	Authentication and authorization_RpcAuthenticationFailures	Failures/s	Number of RPC authentication failures
HdfsJnPort4005AuthRpc authorizationsuccesses	Authentication and authorization_RpcAuthorizationSuccesses	Successes/s	Number of RPC authorization successes
HdfsJnPort4005AuthRpc authenticationsuccesses	Authentication and authorization_RpcAuthenticationSuccesses	Successes/s	Number of RPC authentication successes
HdfsJnPort4005AuthRpc authorizationfailures	Authentication and authorization_RpcAuthorizationFailures	Failures/s	Number of RPC authorization failures
HdfsJnPort4005Connections Numopenconnections	Number of current connections_NumOpenConnections	Count	Number of current connections
HdfsJnPort4005QueueLen Callqueuelength	RPC processing queue length_CallQueueLength	Count	Length of the current RPC processing queu
HdfsJnThreadTimeCurrent threadcputime	CPU time_CurrentThreadCpuTime	ms	CPU time
HdfsJnThreadTimeCurrent threadusertime	CPU time_CurrentThreadUserTime	ms	User time
HdfsJnStartTimeStarttime	Start time_StartTime	s	Process start time
HdfsJnThreadCount Threadcount	Number of threads_ThreadCount	Count	Number of threads
HdfsJnThreadCount Peakthreadcount	Number of threads_PeakThreadCount	Count	Peak number of threads
HdfsJnThreadCountDaemon threadcount	Number of threads_DaemonThreadCount	Count	Number of background threads

HDFS - ZKFC

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Parameter	Metric Name	Unit	Description	Dimension
HdfsDfzkGcUtilMemoryS0	Memory space percentage_S0	%	Percentage of used Survivor 0 memory	host4hdfszkfailovercontroller, id4hdfszkfailovercontroller
HdfsDfzkGcUtilMemoryS1	Memory space percentage_S1	%	Percentage of used Survivor 1 memory	host4hdfszkfailovercontroller, id4hdfszkfailovercontroller
HdfsDfzkGcUtilMemoryE	Memory space percentage_E	%	Percentage of used Eden memory	host4hdfszkfailovercontroller, id4hdfszkfailovercontroller
HdfsDfzkGcUtilMemoryO	Memory space percentage_O	%	Percentage of used Old memory	host4hdfszkfailovercontroller, id4hdfszkfailovercontroller
HdfsDfzkGcUtilMemoryM	Memory space percentage_M	%	Percentage of used Metaspace memory	host4hdfszkfailovercontroller, id4hdfszkfailovercontroller
HdfsDfzkGcUtilMemoryCcs	Memory space percentage_CCS	%	Percentage of memory used by compressed class space	host4hdfszkfailovercontroller, id4hdfszkfailovercontroller
HdfsDfzkGcUtilGcCountFgc	GC count_FGC	Count	Full GC count	host4hdfszkfailovercontroller, id4hdfszkfailovercontroller
HdfsDfzkGcUtilGcCountYgc	GC count_YGC	Count	Young GC count	host4hdfszkfailovercontroller, id4hdfszkfailovercontroller
HdfsDfzkGcUtilGcTimeYgct	GC time_YGCT	s	Time consumed by Young GC	host4hdfszkfailovercontroller, id4hdfszkfailovercontroller
HdfsDfzkGcUtilGcTimeFgct	GC time_FGCT	s	Time consumed by Full GC	host4hdfszkfailovercontroller, id4hdfszkfailovercontroller

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Parameter	Metric Name	Unit	Description	Dimension
HdfsDfzkGcUtilGcTimeGct	GC time_GCT	s	Time used to collect garbage	host4hdfszkfailovercontroller, id4hdfszkfailovercontroller

The statistical granularity (`period`) may vary by metric. The DescribeBaseMetrics API can be used to obtain the `period` supported by each metric.

Overview of the Parameters in Each Dimension

Parameter Name	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.0.Name	id4hdfsoverview	Dimension name of the EMR instance ID	String-type dimension name, such as id4hdfsoverview
Instances.N.Dimensions.0.Value	id4hdfsoverview	Specific EMR instance ID	Specific EMR instance ID, such as emr-mm8bs222
Instances.N.Dimensions.1.Name	host4hdfsoverview	Dimension name of the node IP in the EMR instance	String-type dimension name, such as host4hdfsoverview
Instances.N.Dimensions.1.Value	host4hdfsoverview	Specific node IP in the EMR instance	Specific node IP, such as 1.1.1.1
Instances.N.Dimensions.0.Name	id4hdfsnamenode	Dimension name of the EMR instance ID	String-type dimension name, such as id4hdfsnamenode

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Parameter Name	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.0.Value	id4hdfsnamenode	Specific EMR instance ID	Specific EMR instance ID, such as emr-mm8bs222
Instances.N.Dimensions.1.Name	host4hdfsnamenode	Dimension name of the node IP in the EMR instance	String-type dimension name, such as host4hdfsnamenode
Instances.N.Dimensions.1.Value	host4hdfsnamenode	Specific node IP in the EMR instance	Specific node IP, such as 1.1.1.1
Instances.N.Dimensions.0.Name	id4hdfsdatanode	Dimension name of the EMR instance ID	String-type dimension name, such as id4hdfsdatanode
Instances.N.Dimensions.0.Value	id4hdfsdatanode	Specific EMR instance ID	Specific EMR instance ID, such as emr-mm8bs222
Instances.N.Dimensions.1.Name	host4hdfsdatanode	Dimension name of the node IP in the EMR instance	String-type dimension name, such as host4hdfsdatanode
Instances.N.Dimensions.1.Value	host4hdfsdatanode	Specific node IP in the EMR instance	Specific node IP, such as 1.1.1.1
Instances.N.Dimensions.0.Name	id4hdfsjournalnode	Dimension name of the EMR instance ID	String-type dimension name, such as id4hdfsjournalnode

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Parameter Name	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.0.Value	id4hdfsjournalnode	Specific EMR instance ID	Specific EMR instance ID, such as emr-mm8bs222
Instances.N.Dimensions.1.Name	host4hdfsjournalnode	Dimension name of the node IP in the EMR instance	String-type dimension name, such as host4hdfsjournalnode
Instances.N.Dimensions.1.Value	host4hdfsjournalnode	Specific node IP in the EMR instance	Specific node IP, such as 1.1.1.1
Instances.N.Dimensions.0.Name	id4hdfszkfailovercontroller	Dimension name of the EMR instance ID	String-type dimension name, such as id4hdfszkfailovercontroller
Instances.N.Dimensions.0.Value	id4hdfszkfailovercontroller	Specific EMR instance ID	Specific EMR instance ID, such as emr-mm8bs222
Instances.N.Dimensions.1.Name	host4hdfszkfailovercontroller	Dimension name of the node IP in the EMR instance	String-type dimension name, such as host4hdfszkfailovercontroller
Instances.N.Dimensions.1.Value	host4hdfszkfailovercontroller	Specific node IP in the EMR instance	Specific node IP, such as 1.1.1.1

Input Parameters

EMR (HDFS) supports querying monitoring data based on the following six combinations of dimensions. The values for the input parameters are as follows:

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1. To query the metric monitoring data of HDFS - OverviewAggregation, use the following input parameters:

&Namespace=QCE/TXMR_HDFS

&Instances.N.Dimensions.0.Name=id4hdfsoverview

&Instances.N.Dimensions.0.Value=EMR instance ID

2. To query the metric monitoring data of HDFS - Overview, use the following input parameters:

&Namespace=QCE/TXMR_HDFS

&Instances.N.Dimensions.0.Name=id4hdfsoverview

&Instances.N.Dimensions.0.Value=EMR instance ID

&Instances.N.Dimensions.1.Name=host4hdfsoverview

&Instances.N.Dimensions.1.Value=Specific node IP in the EMR instance

3. To query the metric monitoring data of HDFS - NameNode, use the following input parameters:

&Namespace=QCE/TXMR_HDFS

&Instances.N.Dimensions.0.Name=id4hdfsnamenode

&Instances.N.Dimensions.0.Value=EMR instance ID

&Instances.N.Dimensions.1.Name=host4hdfsnamenode

&Instances.N.Dimensions.1.Value=Specific node IP in the EMR instance

4. To query the metric monitoring data of HDFS - DataNode, use the following input parameters:

&Namespace=QCE/TXMR_HDFS

&Instances.N.Dimensions.0.Name=id4hdfsdatanode

&Instances.N.Dimensions.0.Value=EMR instance ID

&Instances.N.Dimensions.1.Name=host4hdfsdatanode

&Instances.N.Dimensions.1.Value=Specific node IP in the EMR instance

5. To query the metric monitoring data of HDFS - Journal Node, use the following input parameters:

&Namespace=QCE/TXMR_HDFS

&Instances.N.Dimensions.0.Name=id4hdfsjournalnode

&Instances.N.Dimensions.0.Value=Specific EMR instance ID

&Instances.N.Dimensions.1.Name=host4hdfsjournalnode

&Instances.N.Dimensions.1.Value=Specific node IP in the EMR instance

6. To query the metric monitoring data of HDFS - ZKFC, use the following input parameters:

&Namespace=QCE/TXMR_HDFS

&Instances.N.Dimensions.0.Name=id4hdfszkfailovercontroller

&Instances.N.Dimensions.0.Value=Specific EMR instance ID

&Instances.N.Dimensions.1.Name=host4hdfszkfailovercontroller

&Instances.N.Dimensions.1.Value=Specific node IP in the EMR instance

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EMR (HBase)

Last updated：2020-08-20 14:23:49

Namespace

Namespace=QCE/TXMR_HBASE

Monitoring Metrics

HBase - Overview

Parameter	Metric Name	Unit	Description	Dimension
EmrHbaseOverview HbaseMasterAssignment managerRitRitcount	Number of cluster regions in the RIT state_ritCount	Count	Number of cluster regions in the RIT state	host4hbaseo id4hbaseove
EmrHbaseOverview HbaseMaster Assignmentmanager RitRitcountoverthreshold	Number of cluster regions in the RIT state_ritCountOverThreshold	Count	Number of cluster regions in the RIT state	host4hbaseo id4hbaseove
EmrHbaseOverview HbaseMaster Assignmentmanager TimeRitoldestage	Cluster RIT time_ritOldestAge	ms	Cluster RIT time	host4hbaseo id4hbaseove
EmrHbaseOverview HbaseMaster AvgloadAverageload	Average number of regions per RS_averageLoad	Count	Average number of regions per RS	host4hbaseo id4hbaseove
EmrHbaseOverview HbaseMasterRsnums Numregionservers	Number of cluster RSs_numRegionServers	Count	Number of cluster RSs	host4hbaseo id4hbaseove

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Parameter	Metric Name	Unit	Description	Dimension
EmrHbaseOverview HbaseMasterRsnumsNum deadregionservers	Number of cluster RSs_numDeadRegionServers	Count	Number of cluster RSs	host4hbaseo id4hbaseove
EmrHbaseOverview HbaseMaster BytesReceivedbytes	Number of cluster reads/writes_receivedBytes	Bytes/s	Number of cluster reads/writes	host4hbaseo id4hbaseove
EmrHbaseOverview HbaseMaster BytesSentbytes	Number of cluster reads/writes_sentBytes	Bytes/s	Number of cluster reads/writes	host4hbaseo id4hbaseove
EmrHbaseOverview HbaseMasterReq Clusterrequests	Total number of requests in the cluster_clusterRequests	Requests/s	Total number of requests in the cluster	host4hbaseo id4hbaseove
EmrHbaseOverview HbaseMaster Assignmentmanager OpsAssignNumOps	Cluster assignment manager operations_Assign_num_ops	Count	Cluster assignment manager operations	host4hbaseo id4hbaseove
EmrHbaseOverview HbaseMaste rAssignmentmanager OpsBulkassignNumOps	Cluster assignment manager operations_BulkAssign_num_ops	Count	Cluster assignment manager operations	host4hbaseo id4hbaseove
EmrHbaseOverview HbaseMasterBalancerOps BalancerclusterNumOps	Number of cluster load balancing operations_BalancerclusterNum	Count	Number of cluster load balancing operations	host4hbaseo id4hbaseove
EmrHbaseOverview HbaseMasterServerPlan Mergeplancount	Cluster plans_mergePlanCount	Plans	Cluster plans	host4hbaseo id4hbaseove
EmrHbaseOverview HbaseMasterServerPlan Splitplancount	Cluster plans_splitPlanCount	Plans	Cluster plans	host4hbaseo id4hbaseove

HBase - OverviewAggregation

Parameter	Metric Name	Unit	Description	D

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Parameter	Metric Name	Unit	Description	D
EmrHbaseOverviewAggregation HbaseMasterAssignment managerRitRitcount	Number of cluster regions in the RIT state_ritCount	Count	Number of cluster regions in the RIT state	id
EmrHbaseOverviewAggregation HbaseMasterAssign mentmanagerRitRitcountover threshold	Number of cluster regions in the RIT state_ritCountOverThreshold	Count	Number of cluster regions in the RIT state	id
EmrHbaseOverviewAggregation HbaseMasterAssign mentmanager TimeRitoldestage	Cluster RIT time_ritOldestAge	ms	Cluster RIT time	id
EmrHbaseOverviewAggregation HbaseMaster AvgloadAverageload	Average number of regions per RS_averageLoad	Count	Average number of regions per RS	id
EmrHbaseOverviewAggregation HbaseMasterRsnums Numregionservers	Number of cluster RSs_numRegionServers	Count	Number of cluster RSs	id
EmrHbaseOverviewAggregation HbaseMasterRsnumsNum deadregionservers	Number of cluster RSs_numDeadRegionServers	Count	Number of cluster RSs	id
EmrHbaseOverviewAggregation HbaseMaster BytesReceivedbytes	Number of cluster reads/writes_receivedBytes	Bytes/s	Number of cluster reads/writes	id
EmrHbaseOverviewAggregation HbaseMaster BytesSentbytes	Number of cluster reads/writes_sentBytes	Bytes/s	Number of cluster reads/writes	id
EmrHbaseOverviewAggregation HbaseMasterReq Clusterrequests	Total number of requests in the cluster_clusterRequests	Requests/s	Total number of requests in the cluster	id

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Parameter	Metric Name	Unit	Description	D
EmrHbaseOverviewAggregation HbaseMasterAssign mentmanagerOpsAssignNumOps	Cluster assignment manager operations_Assign_num_ops	Count	Cluster assignment manager operations	id
EmrHbaseOverviewAggregation HbaseMasterAssign mentmanagerOpsBulkassignNumOps	Cluster assignment manager operations_BulkAssign_num_ops	Count	Cluster assignment manager operations	id
EmrHbaseOverviewAggregation HbaseMasterBalancerOps BalancerclusterNumOps	Number of cluster load balancing operations_BalancerclusterNum	Count	Number of cluster load balancing operations	id
EmrHbaseOverviewAggregation HbaseMasterServerPlan Mergeplancount	Cluster plans_mergePlanCount	Plans	Cluster plans	id
EmrHbaseOverviewAggregation HbaseMasterServerPlan Splitplancount	Cluster plans_splitPlanCount	Plans	Cluster plans	id

HBase - HMaster

Parameter	Metric Name	Unit	Description	Di
HbaseHmGcUtilGcCountYgc	GC count_YGC	Count	GC count	ho id4
HbaseHmGcUtilGcCountFgc	GC count_FGC	Count	GC count	ho id4
HbaseHmGcUtilGcTimeFgct	GC time_FGCT	s	GC time	ho id4
HbaseHmGcUtilGcTimeGct	GC time_GCT	s	GC time	ho id4
HbaseHmGcUtilGcTimeYgct	GC time_YGCT	s	GC time	ho id4

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Parameter	Metric Name	Unit	Description	Dir
HbaseHmGcUtilMemoryS0	Memory space percentage_S0	%	Memory space percentage	hos id4
HbaseHmGcUtilMemoryE	Memory space percentage_E	%	Memory space percentage	hos id4
HbaseHmGcUtilMemoryCcs	Memory space percentage_CCS	%	Memory space percentage	hos id4
HbaseHmGcUtilMemoryS1	Memory space percentage_S1	%	Memory space percentage	hos id4
HbaseHmGcUtilMemoryO	Memory space percentage_O	%	Memory space percentage	hos id4
HbaseHmGcUtilMemoryM	Memory space percentage_M	%	Memory space percentage	hos id4
HbaseMasterJvm LogTotalLogfatal	Number of JVM logs_LogFatal	Count	Number of JVM logs	hos id4
HbaseMasterJvm LogTotalLogerror	Number of JVM logs_LogError	Count	Number of JVM logs	hos id4
HbaseMasterJvm LogTotalLogwarn	Number of JVM logs_LogWarn	Count	Number of JVM logs	hos id4
HbaseMasterJvm LogTotalLoginfo	Number of JVM logs_LogInfo	Count	Number of JVM logs	hos id4
HbaseMasterJvmMem Memnonheapusedm	JVM memory_MemNonHeapUsedM	MB	JVM memory	hos id4
HbaseMasterJvmMem Memnonheapcommittedm	JVM memory_MemNonHeapCommittedM	MB	JVM memory	hos id4
HbaseMasterJvmMemMem heapcommittedm	JVM memory_MemHeapUsedM	MB	JVM memory	hos id4

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Parameter	Metric Name	Unit	Description	Dir
HbaseMasterJvmMem Memheapusedm	JVM memory_MemHeapUsedM	MB	JVM memory	hos id4
HbaseMasterJvmMem Memheapcommittedm	JVM memory_MemHeapCommittedM	MB	JVM memory	hos id4
HbaseMasterJvmMem Memheapmaxm	JVM memory_MemHeapMaxM	MB	JVM memory	hos id4
HbaseMasterJvmMem Memmaxm	JVM memory_MemMaxM	MB	JVM memory	hos id4
HbaseMasterJvmThreads Threadsnew	Number of JVM threads_ThreadsNew	Count	Number of JVM threads	hos id4
HbaseMasterJvmThreads Threadsrunnable	Number of JVM threads_ThreadsRunnable	Count	Number of JVM threads	hos id4
HbaseMasterJvmThreads Threadsblocked	Number of JVM threads_ThreadsBlocked	Count	Number of JVM threads	hos id4
HbaseMasterJvmThreads Threadswaiting	Number of JVM threads_ThreadsWaiting	Count	Number of JVM threads	hos id4
HbaseMasterJvmThreads Threadstimedwaiting	Number of JVM threads_ThreadsTimedWaiting	Count	Number of JVM threads	hos id4
HbaseMasterJvmThreads Threadsterminated	Number of JVM threads_ThreadsTerminated	Count	Number of JVM threads	hos id4
HbaseMasterIpcConnections Numopenconnections	Number of RPC connections_numOpenConnections	Count	Number of RPC connections	hos id4
HbaseMasterIpcException Failedsanitycheckexception	Number of RPC exceptions_FailedSanityCheckException	Count	Number of RPC exceptions	hos id4

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Parameter	Metric Name	Unit	Description	Dir
HbaseMasterIpcException Notservingregionexception	Number of RPC exceptions_NotServingRegionException	Count	Number of RPC exceptions	hos id4
HbaseMasterIpcException Outoforderscanner nextexception	Number of RPC exceptions_OutOfOrderScannerNextException	Count	Number of RPC exceptions	hos id4
HbaseMasterIpcException Regionmovedexception	Number of RPC exceptions_RegionMovedException	Count	Number of RPC exceptions	hos id4
HbaseMasterIpcException Regiontoobusyexception	Number of RPC exceptions_RegionTooBusyException	Count	Number of RPC exceptions	hos id4
HbaseMasterIpcException Unknownscannerexception	Number of RPC exceptions_UnknownScannerException	Count	Number of RPC exceptions	hos id4
HbaseMasterIpc QueueNumcalls inpriorityqueue	Number of RPC queue requests_numCallsInPriorityQueue	Count	Number of RPC queue requests	hos id4
HbaseMasterIpc QueueNumcalls inreplicationqueue	Number of RPC queue requests_numCallsInReplicationQueue	Count	Number of RPC queue requests	hos id4
HbaseMasterServerTime Masteractivetime	Process start time_masterActiveTime	s	Process start time	hos id4
HbaseMasterServerTime Masterstarttime	Process start time_masterStartTime	s	Process start time	hos id4

HBase - RegionServer

Parameter	Metric Name	Unit	Description
HbaseHsGcUtilGcCountYgc	GC count_YGC	Count	GC count
HbaseHsGcUtilGcCountFgc	GC count_FGC	Count	GC count

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Parameter	Metric Name	Unit	Description
HbaseHsGcUtilGcTimeFgct	GC time_FGCT	s	GC time
HbaseHsGcUtilGcTimeGct	GC time_GCT	s	GC time
HbaseHsGcUtilGcTimeYgct	GC time_YGCT	s	GC time
HbaseHsGcUtilMemoryS0	Memory space percentage_S0	%	Memory space percentage
HbaseHsGcUtilMemoryE	Memory space percentage_E	%	Memory space percentage
HbaseHsGcUtilMemoryCcs	Memory space percentage_CCS	%	Memory space percentage
HbaseHsGcUtilMemoryS1	Memory space percentage_S1	%	Memory space percentage
HbaseHsGcUtilMemoryO	Memory space percentage_O	%	Memory space percentage
HbaseHsGcUtilMemoryM	Memory space percentage_M	%	Memory space percentage
HbaseMasterJvmLog TotalLogfatal	Number of JVM logs_LogFatal	Count	Number of JVM logs
HbaseMasterJvmLog TotalLogerror	Number of JVM logs_LogError	Count	Number of JVM logs
HbaseMasterJvmLog TotalLogwarn	Number of JVM logs_LogWarn	Count	Number of JVM logs
HbaseMasterJvmLog TotalLoginfo	Number of JVM logs_LogInfo	Count	Number of JVM logs
HbaseMasterJvmMem Memnonheapusedm	JVM memory _MemNonHeapUsedM	MB	JVM memory
HbaseMasterJvmMem Memnonheapcommittedm	JVM memory _MemNonHeapCommittedM	MB	JVM memory

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Parameter	Metric Name	Unit	Description
HbaseMasterJvmMem Memheapmaxm	JVM memory _MemHeapMaxM	MB	JVM memory
HbaseMasterJvmMem Memheapusedm	JVM memory _MemHeapUsedM	MB	JVM memory
HbaseMasterJvmMemMem heapcommittedm	JVM memory _MemHeapCommittedM	MB	JVM memory
HbaseMasterJvmMemMem heapmaxm	JVM memory_MemHeapMaxM	MB	JVM memory
HbaseMasterJvmMem Memmaxm	JVM memory_MemMaxM	MB	JVM memory
HbaseMasterJvm ThreadsThreadsnew	Number of JVM threads_ThreadsNew	Count	Number of JVM threads
HbaseMasterJvmThreads Threadsrunnable	Number of JVM threads _ThreadsRunnable	Count	Number of JVM threads
HbaseMasterJvmThreads Threadsblocked	Number of JVM threads _ThreadsBlocked	Count	Number of JVM threads
HbaseMasterJvmThreads Threadswaiting	Number of JVM threads _ThreadsWaiting	Count	Number of JVM threads
HbaseMasterJvmThreads Threadstimedwaiting	Number of JVM threads_ThreadsTimedWaiting	Count	Number of JVM threads
HbaseMasterJvmThreads Threadsterminated	Number of JVM threads_ThreadsTerminated	Count	Number of JVM threads
HbaseRegionserver AvgsizeAverageregionsize	Average region size_averageRegionSize	Bytes	Average region size
HbaseRegionserver RegionCountRegioncount	Number of regions_regionCount	Count	Number of regions
HbaseRegionserver ServerHfilesPercentPercent fileslocalsecond	Region replica localization_percentFilesLocal SecondaryRegions	%	Region replica localization

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Parameter	Metric Name	Unit	Description
HbaseRegionserver IpcAuthentication Authenticationfailures	Number of RPC authentications_authenticationFailures	Count	Number of RPC authentications
HbaseRegionserver IpcAuthentication Authenticationsuccesses	Number of RPC authentications_authenticationSuccesses	Count	Number of RPC authentications
HbaseMasterIpcConnections Numopenconnections	Number of RPC connections _numOpenConnections	Count	Number of RPC connections
HbaseMasterIpcException Failedsanitycheckexception	Number of RPC exceptions _FailedSanityCheckException	Count	Number of RPC exceptions
HbaseMasterIpcException Notservingregionexception	Number of RPC exceptions _NotServingRegionException	Count	Number of RPC exceptions
HbaseMasterIpcException Outoforderscannernextexception	Number of RPC exceptions _OutOfOrderScannerNext Exception	Count	Number of RPC exceptions
HbaseMasterIpcException Regionmovedexception	Number of RPC exceptions_RegionMovedException	Count	Number of RPC exceptions
HbaseMasterIpcException Regiontoobusyexception	Number of RPC exceptions _RegionTooBusyException	Count	Number of RPC exceptions
HbaseMasterIpcException Unknownscannerexception	Number of RPC exceptions _UnknownScannerException	Count	Number of RPC exceptions
HbaseRegionserver IpcHandlerNumactivehandler	Number of RPC handles _numActiveHandler	Count	Number of RPC handles
HbaseMasterIpcQueue Numcallsinpriorityqueue	Number of RPC queue requests _numCallsInPriorityQueue	Count	Number of RPC queue requests

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Parameter	Metric Name	Unit	Description
HbaseMasterIpcQueue Numcallsinreplicationqueue	Number of RPC queue requests _numCallsInReplicationQueue	Count	Number of RPC queue requests
HbaseRegionserver IpcQueueNumcalls ingeneralqueue	Number of RPC queue requests _numCallsInGeneralQueue	Count	Number of RPC queue requests
HbaseRegionserver HlogcountHlogfilecount	Number of WAL files_hlogFileCount	Count	Number of WAL files
HbaseRegionserver HlogsizeHlogfilesize	WAL file size_hlogFileSize	Bytes	WAL file size
HbaseRegionserver MemstroreMemstoresize	MemStore size_memStoreSize	MB	MemStore size
HbaseRegionserver StoreCountStorecount	Number of stores_storeCount	Count	Number of stores
HbaseRegionserver StorefilecountStorefilecount	Number of StoreFiles_storeFileCount	Count	Number of StoreFiles
HbaseRegionserver StorefilesizeStorefilesize	StoreFile size_storeFileSize	MB	StoreFile size
HbaseRegionserver ServerCellsFlushedcellssize	Disk write rate_flushedCellsSize	Bytes/s	Disk write rate
HbaseRegionserver ServerDelayAppendMean	Average delay_Append_mean	ms	Average delay
HbaseRegionserver ServerDelayReplayMean	Average delay_Replay_mean	ms	Average delay
HbaseRegionserver ServerDelayGetMean	Average delay_Get_mean	ms	Average delay
HbaseRegionserver ServerDelayUpdatesblockedtime	Average delay _updatesBlockedTime	ms	Average delay
HbaseRegionserver ServerFlushFlushtimeNumOps	Number of RS disk writes _FlushTime_num_ops	Writes	Number of RS disk writes

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Parameter	Metric Name	Unit	Description
HbaseRegionserver ServerQueueSplitqueuelength	Number of operation queue requests _splitQueueLength	Count	Number of operation queue requests
HbaseRegionserver ServerQueueCompaction queuelength	Number of operation queue requests_compactionQueueLength	Count	Number of operation queue requests
HbaseRegionserver ServerQueueFlushqueuelength	Number of operation queue requests _flushQueueLength	Count	Number of operation queue requests
HbaseRegionserver ServerReplayReplayNumOps	Number of Replay operations _Replay_num_ops	Count	Number of Replay operations
HbaseRegionserver ServerSlowSlowappendcount	Number of slow operations _slowAppendCount	Count	Number of slow operations
HbaseRegionserver ServerSlowSlowdeletecount	Number of slow operations_slowDeleteCount	Count	Number of slow operations
HbaseRegionserver ServerSlowSlowgetcount	Number of slow operations _slowGetCount	Count	Number of slow operations
HbaseRegionserver ServerSlowSlowincrementcount	Number of slow operations _slowIncrementCount	Count	Number of slow operations
HbaseRegionserver ServerSlowSlowputcount	Number of slow operations_slowPutCount	Count	Number of slow operations
HbaseRegionserver ServerSplitSplitrequestcount	Split requests_splitRequestCount	Count	Split requests
HbaseRegionserver ServerSplitSplitsuccesscount	Split requests_splitSuccessCount	Count	Split requests

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Parameter	Metric Name	Unit	Description
HbaseRegionserver ServerBlockcacheCountBlock cachecount	Number of cache blocks _blockCacheCount	Count	Number of cache blocks
HbaseRegionserver ServerBlockcacheCountBlock cachehitcount	Number of cache blocks _blockCacheHitCount	Count	Number of cache blocks
HbaseRegionserver ServerBlockcacheCountBlock cachemisscount	Number of cache blocks _blockCacheMissCount	Count	Number of cache blocks
HbaseRegionserver ServerBlockcachePercent Blockcacheexpresshi	Cache read hit rate _blockCacheExpress HitPercent	%	Cache read hit rate
HbaseRegionserver ServerBlockcacheSize Blockcachesize	Size of the memory used by the cache block_blockCacheSize	Bytes	Size of the memory used by the cache block
HbaseRegionserver ServerIndexStaticbloomsize	Index size_staticBloomSize	Bytes	Index size
HbaseRegionserver ServerIndexStaticindexsize	Index size_staticIndexSize	Bytes	Index size
HbaseRegionserver ServerIndexStorefileindexsize	Index size_storeFileIndexSize	Bytes	Index size
HbaseRegionserver IpcBytesReceivedbytes	Read/write traffic_receivedBytes	Bytes/s	Read/write traffic
HbaseRegionserver IpcBytesSentbytes	Read/write traffic_sentBytes	Bytes/s	Read/write traffic
HbaseMasterJvm LogTotalLogerror	Number of read/write requests_Total	Requests/s	Number of read/write requests
HbaseRegionserver ReqcountRead	Number of read/write requests _Read	Requests/s	Number of read/write requests

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Parameter	Metric Name	Unit	Description
HbaseRegionserver ReqcountWrite	Number of read/write requests_Write	Requests/s	Number of read/write requests
HbaseRegionserver ReqcountAppendNumOps	Number of read/write requests_Append_num_ops	Requests/s	Number of read/write requests
HbaseRegionserver ServerMutationCount Mutationswithoutwalcoun	Number of mutations_mutationsWithout WALCount	Count	Number of mutations
HbaseRegionserver ServerMutationSizeMutation swithoutwalsize	Size of the mutation_mutationsWithoutWALSize	Bytes	Size of the mutation
HbaseRegionserver StarttimeRegionserverstarttime	Process start time_regionServerStartTime	s	Process start time

Overview of the Parameters in Each Dimension

Parameter Name	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.0.Name	id4hbaseoverview	Dimension name of the EMR instance ID	String-type dimension name, such as id4hbaseoverview
Instances.N.Dimensions.0.Value	id4hbaseoverview	Specific EMR instance ID	Specific EMR instance ID, such as emr-mm8bs222
Instances.N.Dimensions.1.Name	host4hbaseoverview	Dimension name of the node IP in the EMR instance	String-type dimension name, such as host4hbaseoverview
Instances.N.Dimensions.1.Value	host4hbaseoverview	Specific node IP in the EMR instance	Specific node IP, such as 1.1.1.1

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Parameter Name	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.0.Name	id4hbasehmaster	Dimension name of the EMR instance ID	String-type dimension name, such as id4hbasehmaster
Instances.N.Dimensions.0.Value	id4hbasehmaster	Specific EMR instance ID	Specific EMR instance ID, such as emr-mm8bs222
Instances.N.Dimensions.1.Name	host4hbasehmaster	Dimension name of the node IP in the EMR instance	String-type dimension name, such as host4hbasehmaster
Instances.N.Dimensions.1.Value	host4hbasehmaster	Specific node IP in the EMR instance	Specific node IP, such as 1.1.1.1
Instances.N.Dimensions.0.Name	id4hbaseregionserver	Dimension name of the EMR instance ID	String-type dimension name, such as id4hbaseregionserver
Instances.N.Dimensions.0.Value	id4hbaseregionserver	Specific EMR instance ID	Specific EMR instance ID, such as emr-mm8bs222
Instances.N.Dimensions.1.Name	host4hbaseregionserver	Dimension name of the node IP in the EMR instance	String-type dimension name, such as host4hbaseregionserver
Instances.N.Dimensions.1.Value	host4hbaseregionserver	Specific node IP in the EMR instance	Specific node IP, such as 1.1.1.1

Input Parameters

EMR (HBase) supports querying monitoring data based on the following four combinations of dimensions. The values for the input parameters are as follows:

1. To query the metric monitoring data of HBase - OverviewAggregation, use the following input parameters:

&Namespace=QCE/TXMR_HBASE

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&Instances.N.Dimensions.0.Name=id4hbaseoverview

&Instances.N.Dimensions.0.Value=EMR instance ID

2. To query the metric monitoring data of HBase - Overview, use the following input parameters:

&Namespace=QCE/TXMR_HBASE

&Instances.N.Dimensions.0.Name=id4hbaseoverview

&Instances.N.Dimensions.0.Value=EMR instance ID

&Instances.N.Dimensions.1.Name=host4hbaseoverview

&Instances.N.Dimensions.1.Value=Specific node IP in the EMR instance

3. To query the metric monitoring data of HBase - HMaster, use the following input parameters:

&Namespace=QCE/TXMR_HBASE

&Instances.N.Dimensions.0.Name=id4hbasehmaster

&Instances.N.Dimensions.0.Value=EMR instance ID

&Instances.N.Dimensions.1.Name= host4hbasehmaster

&Instances.N.Dimensions.1.Value=Specific node IP in the EMR instance

4. To query the metric monitoring data of HBase - RegionServer, use the following input parameters:

&Namespace=QCE/TXMR_HBASE

&Instances.N.Dimensions.0.Name=id4hbaseregionserver

&Instances.N.Dimensions.0.Value=EMR instance ID

&Instances.N.Dimensions.1.Name=host4hbaseregionserver

&Instances.N.Dimensions.1.Value=Specific node IP in the EMR instance

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EMR (Hive)

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Namespace

Namespace=QCE/TXMR_HIVE

Monitoring Metrics

Hive - HiveMetaStore

Parameter	Metric Name	Unit	Description	Dimension
HiveHmsGcUtilGcCountYgc	GC count_YGC	Count	Young GC count	id4hivemetastore host4hivemetastore
HiveHmsGcUtilGcCountFgc	GC count_FGC	Count	Full GC count	id4hivemetastore host4hivemetastore
HiveHmsGcUtilGcTimeFgct	GC time_FGCT	s	Time consumed by Full GC	id4hivemetastore host4hivemetastore
HiveHmsGcUtilGcTimeGct	GC time_FGCT	s	Time used to collect garbage	id4hivemetastore host4hivemetastore
HiveHmsGcUtilGcTimeYgct	GC time_YGCT	s	Time consumed by Young GC	id4hivemetastore host4hivemetastore
HiveHmsGcUtilMemoryS0	Memory space percentage_S0	%	Percentage of used Survivor 0 memory	id4hivemetastore host4hivemetastore
HiveHmsGcUtilMemoryE	Memory space percentage_E	%	Percentage of used Eden memory	id4hivemetastore host4hivemetastore
HiveHmsGcUtilMemoryCcs	Memory space percentage_CCS	%	Percentage of memory used by compressed class space	id4hivemetastore host4hivemetastore
HiveHmsGcUtilMemoryS1	Memory space percentage_S1	%	Percentage of used Survivor 1 memory	id4hivemetastore host4hivemetastore

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Parameter	Metric Name	Unit	Description	Dimension
HiveHmsGcUtilMemoryO	Memory space percentage_O	%	Percentage of used Old memory	id4hivemetastore host4hivemetastore
HiveHmsGcUtilMemoryM	Memory space percentage_M	%	Percentage of used Metaspace memory	id4hivemetastore host4hivemetastore

Hive - HiveServer2

Parameter	Metric Name	Unit	Description	Dimensic
HiveH2GcUtilGcCountYgc	GC count_YGC	Count	Young GC count	host4hive id4hivehi
HiveH2GcUtilGcCountFgc	GC count_FGC	Count	Full GC count	host4hive id4hivehi
HiveH2GcUtilGcTimeFgct	GC time_FGCT	s	Time consumed by Full GC	host4hive id4hivehi
HiveH2GcUtilGcTimeGct	GC time_FGCT	s	Time used to collect garbage	host4hive id4hivehi
HiveH2GcUtilGcTimeYgct	GC time_YGCT	s	Time consumed by Young GC	host4hive id4hivehi
HiveH2GcUtilMemoryS0	Memory space percentage_S0	%	Percentage of used Survivor 0 memory	host4hive id4hivehi
HiveH2GcUtilMemoryE	Memory space percentage_E	%	Percentage of used Eden memory	host4hive id4hivehi
HiveH2GcUtilMemoryCcs	Memory space percentage_CCS	%	Percentage of memory used by compressed class space	host4hive id4hivehi
HiveH2GcUtilMemoryS1	Memory space percentage_S1	%	Percentage of used Survivor 1 memory	host4hive id4hivehi
HiveH1GcUtilMemoryO	Memory space percentage_O	%	Percentage of used Old memory	host4hive id4hivehi

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Parameter	Metric Name	Unit	Description	Dimensic
HiveH2GcUtilMemoryM	Memory space percentage_M	%	Percentage of used Metaspace memory	host4hive id4hivehi
HiveH2JvmMemMem nonheapusedm	JVM memory_MemNonHeapUsedM	MB	Size of the NonHeapMemory currently used by JVM	host4hive id4hivehi
HiveH2JvmMemMem nonheapcommittedm	JVM memory_MemNonHeapCommittedM	MB	Size of the NonHeapMemory currently committed by JVM	host4hive id4hivehi
HiveH2JvmMemMem heapusedm	JVM memory_MemHeapUsedM	MB	Size of the HeapMemory currently used by JVM	host4hive id4hivehi
HiveH2JvmMemMem heapcommittedm	JVM memory_MemHeapCommittedM	MB	Size of the HeapMemory currently committed by JVM	host4hive id4hivehi
HiveH2JvmMemMem heapmaxm	JVM memory_MemHeapMaxM	MB	Size of the HeapMemory configured by JVM	host4hive id4hivehi
HiveH2JvmMemMem heapinitm	JVM memory_MemHeapInitM	MB	Size of the initial JVM HeapMem	host4hive id4hivehi
HiveH2JvmMemMem nonheapinitm	JVM memory_MemNonHeapInitM	MB	Size of the initial JVM NonHeapMem	host4hive id4hivehi
HiveH2OsCpuLoad Processcpuload	CPU utilization_ProcessCpuLoad	%	CPU utilization	host4hive id4hivehi
HiveH2OsFdCount Maxfiledescriptorcount	Number of file descriptors_MaxFileDescriptorCount	Count	Maximum number of file descriptors	host4hive id4hivehi

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Parameter	Metric Name	Unit	Description	Dimensio
HiveH2OsFdCount Openfiledescriptorcount	Number of file descriptors_OpenFileDescriptorCount	Count	Number of opened file descriptors	host4hive id4hivehi
HiveH2OsCpuTime Processcputime	Cumulative CPU usage time_ProcessCpuTime	ms	Cumulative CPU usage time	host4hive id4hivehi
HiveH2RtUptimeUptime	Process run time_Uptime	s	Process run time	host4hive id4hivehi
HiveH2ThreadCount Daemonthreadcount	Number of worker threads_DaemonThreadCount	Count	Number of daemon threads	host4hive id4hivehi
HiveH2ThreadCount Threadcount	Number of worker threads_ThreadCount	Count	Total number of threads	host4hive id4hivehi

Hive - HiveWebHcat

Parameter	Metric Abbreviation	Metric Name	Unit	Description	Dimension
HiveHcGcUtilGcCountYgc	YGC	GC count_YGC	Count	Young GC count	host4hivehiveweb id4hivehivewebhc
HiveHcGcUtilGcCountFgc	FGC	GC count_FGC	Count	Full GC count	host4hivehiveweb id4hivehivewebhc
HiveHcGcUtilGcTimeFgct	FGCT	GC time_FGCT	s	Time consumed by Full GC	host4hivehiveweb id4hivehivewebhc
HiveHcGcUtilGcTimeGct	GCT	GC time_FGCT	s	Time used to collect garbage	host4hivehiveweb id4hivehivewebhc
HiveHcGcUtilGcTimeYgct	YGCT	GC time_YGCT	s	Time consumed by Young GC	host4hivehiveweb id4hivehivewebhc
HiveHcGcUtilMemoryS0	S0	Memory space percentage_S0	%	Percentage of used Survivor 0 memory	host4hivehiveweb id4hivehivewebhc

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Parameter	Metric Abbreviation	Metric Name	Unit	Description	Dimension
HiveHcGcUtilMemoryE	E	Memory space percentage_E	%	Percentage of used Eden memory	host4hivehiveweb id4hivehivewebhc
HiveHcGcUtilMemoryCcs	CCS	Memory space percentage_CCS	%	Percentage of memory used by compressed class space	host4hivehiveweb id4hivehivewebhc
HiveHcGcUtilMemoryS1	S1	Memory space percentage_S1	%	Percentage of used Survivor 1 memory	host4hivehiveweb id4hivehivewebhc
HiveHcGcUtilMemoryO	O	Memory space percentage_O	%	Percentage of used Old memory	host4hivehiveweb id4hivehivewebhc
HiveHcGcUtilMemoryM	M	Memory space percentage_M	%	Percentage of used Metaspace memory	host4hivehiveweb id4hivehivewebhc

Overview of the Parameters in Each Dimension

Parameter Name	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.0.Name	id4hivemetastore	Dimension name of the EMR instance ID	String-type dimension name, such as id4hivemetastore
Instances.N.Dimensions.0.Value	id4hivemetastore	Specific EMR instance ID	Specific EMR instance ID, such as emr-mm8bs222
Instances.N.Dimensions.1.Name	host4hivemetastore	Dimension name of the node IP in the EMR instance	String-type dimension name, such as host4hivemetastore

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Parameter Name	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.1.Value	host4hivemetastore	Specific node IP in the EMR instance	Specific node IP, such as 1.1.1.1
Instances.N.Dimensions.0.Name	id4hivehiveserver2	Dimension name of the EMR instance ID	String-type dimension name, such as id4hivehiveserver2
Instances.N.Dimensions.0.Value	id4hivehiveserver2	Specific EMR instance ID	Specific EMR instance ID, such as emr-mm8bs222
Instances.N.Dimensions.1.Name	host4hivehiveserver2	Dimension name of the node IP in the EMR instance	String-type dimension name, such as host4hivehiveserver2
Instances.N.Dimensions.1.Value	host4hivehiveserver2	Specific node IP in the EMR instance	Specific node IP, such as 1.1.1.1
Instances.N.Dimensions.0.Name	id4hivehivewebhcat	Dimension name of the EMR instance ID	String-type dimension name, such as id4hivehivewebhcat
Instances.N.Dimensions.0.Value	id4hivehivewebhcat	Specific EMR instance ID	Specific EMR instance ID, such as emr-mm8bs222
Instances.N.Dimensions.1.Name	host4hivehivewebhcat	Dimension name of the node IP in the EMR instance	String-type dimension name, such as host4hivehivewebhcat
Instances.N.Dimensions.1.Value	host4hivehivewebhcat	Specific node IP in the EMR instance	Specific node IP, such as 1.1.1.1

Input Parameters

EMR (Hive) supports querying monitoring data based on the following three combinations of dimensions. The values for the input parameters are as follows:

1. To query the metric monitoring data of Hive - HiveMetaStore, use the following input parameters:

&Namespace=QCE/TXMR_HIVE

&Instances.N.Dimensions.0.Name=id4hivemetastore

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&Instances.N.Dimensions.0.Value=EMR instance ID

&Instances.N.Dimensions.1.Name=host4hivemetastore

&Instances.N.Dimensions.1.Value=Specific node IP in the EMR instance

2. To query the metric monitoring data of Hive - HiveServer2, use the following input parameters:

&Namespace=QCE/TXMR_HIVE

&Instances.N.Dimensions.0.Name=id4hivehiveserver2

&Instances.N.Dimensions.0.Value=EMR instance ID

&Instances.N.Dimensions.1.Name=host4hivehiveserver2

&Instances.N.Dimensions.1.Value=Specific node IP in the EMR instance

3. To query the metric monitoring data of Hive - HiveWebHcat, use the following input parameters:

&Namespace=QCE/TXMR_HIVE

&Instances.N.Dimensions.0.Name=id4hivehivewebhcat

&Instances.N.Dimensions.0.Value=EMR instance ID

&Instances.N.Dimensions.1.Name=host4hivehivewebhcat

&Instances.N.Dimensions.1.Value=Specific node IP in the EMR instance

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EMR (Node)

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Namespace

Namespace=QCE/TXMR_NODE

Monitoring Metrics

Server - CPU

Parameter	Metric Name	Unit	Description	Dimension
NodeCpuIdle	CPU utilization_idle	%	Percentage of CPU idle time	id4nodecpu, host4nodecpu
NodeCpuIrq	CPU utilization_irq	%	Percentage of interrupts	id4nodecpu, host4nodecpu
NodeCpuNice	CPU utilization_nice	%	Percentage of CPU utilization under the nice priority	id4nodecpu, host4nodecpu
NodeCpuSteal	CPU utilization_steal	%	Percentage of wait time by virtual CPUs for physical CPUs	id4nodecpu, host4nodecpu
NodeCpuSoftirq	CPU utilization_softirq	%	Percentage of CPU soft interrupts	id4nodecpu, host4nodecpu
NodeCpuGuest	CPU utilization_guest	%	Percentage of time spent running virtual processors	id4nodecpu, host4nodecpu
NodeCpuSystem	CPU utilization_system	%	CPU utilization in the kernel state	id4nodecpu, host4nodecpu
NodeCpuUser	CPU utilization_user	%	CPU utilization in the user state	id4nodecpu, host4nodecpu
NodeCpuIowait	CPU utilization_iowait	%	Percentage of CPU idleness due to process I/O waits	id4nodecpu, host4nodecpu

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Parameter	Metric Name	Unit	Description	Dimension
NodeCpuLoad1m	Load_1m	-	1-minute load	id4nodecpu, host4nodecpu
NodeCpuLoad5m	Load_5m	-	5-minute load	id4nodecpu, host4nodecpu
NodeCpuLoad15m	Load_15m	-	15-minute load	id4nodecpu, host4nodecpu
NodeCpuCountCpuCount	Number of cores_cpu_count	Count	Number of CPU cores	id4nodecpu, host4nodecpu

Server - Memory

Parameter	Metric Name	Unit	Description	Dimension
NodeMemMemtotal	Memory usage_MemTotal	GB	Total memory size	host4nodememory, id4nodememory
NodeMemMemfree	Memory usage_MemFree	GB	Total free memory size	host4nodememory, id4nodememory
NodeMemBuffers	Memory usage_Buffers	GB	Total memory size used by buffers	host4nodememory, id4nodememory
NodeMemCached	Memory usage_Cached	GB	Total memory size used by the file cache	host4nodememory, id4nodememory
NodeMemSwapcached	Memory usage_SwapCached	GB	Total swap memory size used by anonymous page writes	host4nodememory, id4nodememory
NodeMemSwapfree	Memory usage_SwapFree	GB	Total available swap size	host4nodememory, id4nodememory
NodeMemAnonpages	Memory usage_AnonPages	GB	Total unmapped memory size	host4nodememory, id4nodememory
NodeMemSwaptotal	Memory usage_SwapTotal	GB	Total swap size	host4nodememory, id4nodememory

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Parameter	Metric Name	Unit	Description	Dimension
NodeMemDirty	Memory usage_Dirty	GB	Total memory size to be written to the disk	host4nodememory, id4nodememory
NodeMemWriteback	Memory usage_Writeback	GB	Total memory size being written back to the disk	host4nodememory, id4nodememory
NodeMemHardwarecorrupted	Memory usage_HardwareCorrupted	GB	Total unavailable memory size due to memory hardware failure	host4nodememory, id4nodememory
NodeMemShmem	Memory usage_Shmem	GB	Total shared memory size	host4nodememory, id4nodememory
NodeMemPercentAvailablePercent	Percentage of used memory_available_percent	%	Percentage of available memory size out of the total memory	host4nodememory, id4nodememory
NodeMemPercentUsedPercent	Percentage of used memory_used_percent	%	Percentage of used memory size out of the total memory	host4nodememory, id4nodememory

Server - Network

Parameter	Metric Name	Unit	Description
NodeNetworkTcpListenExtListendrops	TCPLISTEN Exceptions_ListenDrops	Connections/s	Number of incoming connections (SYN packets) dropped for any reason
NodeNetworkTcpListenExtListenoverflows	TCPLISTEN Exceptions_ListenOverflows	Occurrences/s	Number of occurrences where the upper limit of the Accept queue is exceeded after the last step of the three-way handshake is completed

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Parameter	Metric Name	Unit	Description
NodeNetworkTcpSyncookies Syncookiesfailed	TCPSyncookies_Syn cookiesFailed	Packets/s	Number of packets received with invalid SYN Cookie information
NodeNetworkTcpSyncookies Syncookiesrecv	TCPSyncookies_Syn cookiesRecv	Packets/s	Number of packets received with valid SYN Cookie information
NodeNetworkTcpSyncookies Syncookiessent	TCPSyncookies_Syn cookiesSent	Packets/s	Number of SYN/ACK packets sent through SYN Cookie
NodeNetworkTcpAbort Tcpabortontimeout	TCP connection exception Abort_TCPAbort OnTimeout	Connections/s	Number of connections closed because the attempts of the retransmissions of various timers (RTO/PTO/keepalive) exceeded the upper limit
NodeNetworkTcpAbort Tcpabortondata	TCP connection exception Abort_TCPAbort OnData	Sockets/s	Number of sockets closed due to receiving unknown data
NodeNetworkTcpAbort Tcpabortonclose	TCP connection exception Abort_TCPAbort OnClose	Sockets/s	Number of sockets closed when the user-mode program has data in the buffer
NodeNetworkTcpAbort Tcpabortonmemory	TCP connection exception Abort_TCPAbort OnMemory	Connections/s	Number of connections closed due to memory issues
NodeNetworkTcpAbort Tcpabortonlinger	TCP connection exception Abort_TCPAbort OnLinger	Connections/s	Number of connections suspended in the lingering state after being closed

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Parameter	Metric Name	Unit	Description
NodeNetworkTcpAbort Tcpabortfailed	TCP connection exception Abort_TCPAbortFailed	Times/s	Number of failed attempts to close connections
NodeNetworkTcpState Activeopens	Established TCP connections _ActiveOpens	Connections/s	Number of actively established TCP connections
NodeNetworkTcp StateCurrestab	Established TCP connections _CurrEstab	Connections/s	Number of TCP connections currently established
NodeNetworkTcpState Passiveopens	Established TCP connections _PassiveOpens	Connections/s	Number of passively established TCP connections
NodeNetworkTcp StateAttemptfails	Established TCP connections _AttemptFails	Connections/s	Number of connection establishment failures
NodeNetworkTcp StateEstabresets	Established TCP connections _EstabResets	Connections/s	Number of reset connections
NodeNetworkTcp PacketStatInsegs	TCP data packets _InSegs	Packets/s	Number of received packets, including erroneous ones
NodeNetworkTcp PacketStatOutsegs	TCP data packets _OutSegs	Packets/s	Number of sent data packets
NodeNetworkTcp PacketStatRetranssegs	TCP data packets _RetransSegs	Packets/s	Number of received TCP packets
NodeNetworkTcp PacketStatInerrs	TCP data packets _InErrs	Packets/s	Number of retransmitted packets
NodeNetworkTcp PacketStatOutrsts	TCP data packets _OutRsts	Packets/s	Number of sent RST packets
NodeNetworkTcpPacketRate Retranssegsrate	TCP retransmission rate _RetransSegsRate	%	Retransmission rate at the TCP layer
NodeNetworkTcp PacketRateResetrate	TCP retransmission rate _ResetRate	%	RESET sending frequency

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Parameter	Metric Name	Unit	Description
NodeNetworkTcpPacketRateInerrrate	TCP retransmission rate _InErrRate	%	Percentage of erroneous packets
NodeNetworkTcpTimeWaitTw	TCPTIME-WAIT_TW	Sockets/s	Number of sockets ending the TIME_WAIT state after normal timeout
NodeNetworkTcp TimeWaitTwkilled	TCPTIME-WAIT_TWKilled	Sockets/s	Number of sockets ending the TIME_WAIT state through the tcp_tw_recycle mechanism
NodeNetworkTcpTime WaitTwrecycled	TCPTIME-WAIT_TWRecycled	Sockets/s	Number of sockets ending the TIME_WAIT state through the tcp_tw_reuse mechanism
NodeNetworkTcpRtoStat Tcptimeouts	TCPRTO_TCPTimeouts	Timeouts/s	Number of first RTO timer timeouts
NodeNetworkTcpRtoStat Tcpspuriousrtos	TCPRTO_TCPSpur iousRTOs	Timeouts/s	Number of spurious timeouts detected through the F-RTO mechanism
NodeNetworkTcpRtoStat Tcplossprobes	TCPRTO_TCPLoss Probes	Packets/s	Number of Tail Loss Probe (TLP) packets sent due to Probe Timeout (PTO)
NodeNetworkTcpRtoStat Tcplossproberecovery	TCPRTO_TCPLoss ProbeRecovery	Packets/s	Number of lost packets just repaired by TLP probes

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Parameter	Metric Name	Unit	Description
NodeNetworkTcpRtoStat Tcprenorecoveryfail	TCPRTO_TCPReno RecoveryFail	Connections/s	Number of connections that enter the Recovery phase and then undergo RTO (SACK option not supported by the opposite)
NodeNetworkTcpRtoStat Tcprenorecoveryfail	TCPRTO_TCPReno RecoveryFail	Connections/s	Number of connections that enter the Recovery phase and then undergo RTO (SACK option supported by the opposite)
NodeNetworkTcpRtoStat Tcprenofailures	TCPRTO_TCPReno Failures	Failures/s	Number of connections that enter the TCP_CA_Disorder phase and then undergo RTO (SACK option not supported by the opposite)
NodeNetworkTcpRtoStat Tcpsackfailures	TCPRTO_TCPSack Failures	Connections/s	Number of connections that enter the TCP_CA_Disorder phase and then undergo RTO (SACK option supported by the opposite)
NodeNetworkTcp RtoStatTcplossfailures	TCPRTO_TCPLoss Failures	Connections/s	Number of connections that enter the TCP_CA_Loss phase and then undergo RTO timeout
NodeNetworkTcpRto ConstRtoalgorithm	TCPRTO Constant_RtoAlgorithm	Algorithms/s	Number of delayed algorithms for forwarding unanswered objects

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Parameter	Metric Name	Unit	Description
NodeNetworkTcp RtoConstRtomax	TCPRTO Constant_RtoMax	Retransmissions/s	Maximum number of retransmissions due to TCP delay
NodeNetworkTcp RtoConstRtomin	TCPRTO Constant_RtoMin	Retransmissions/s	Minimum number of retransmissions due to TCP delay
NodeNetworkTcpRetrans Tcplostretransmit	TCP retransmissions _TCPLostRetransmit	Retransmissions/s	Number of SKB retransmissions due to loss
NodeNetworkTcpRetrans Tcpfastretrans	TCP retransmissions _TCPFastRetrans	Retransmissions/s	Number of fast SKB retransmissions
NodeNetworkTcpRetrans Tcpforwardretrans	TCP retransmissions _TCPForwardRetrans	Retransmissions/s	Number of regular SKB retransmissions
NodeNetworkTcpRetrans Tcpslowstartretrans	TCP retransmissions _TCPSlowStart Retrans	Retransmissions/s	Number of SKB retransmissions with successful slow starts
NodeNetworkTcpRetrans Tcpretransfail	TCP retransmissions _TCPRetransFail	Failures/s	Number of failed retransmission attempts
NodeNetworkUdp DgIndatagrams	UDP datagrams _InDatagrams	Datagrams/s	Number of sent UDP datagrams
INodeNetworkUdpDg Outdatagrams	UDP datagrams _OutDatagrams	Datagrams/s	Number of received UDP datagrams
NodeNetworkRwBytes Eth0TransmitBytes	ENI data receiving and sending rate _eth0-transmit_bytes	MB/s	Volume of data sent by ENI
NodeNetworkPackets Eth0ReceiveDrop	ENI data packet rate _eth0-receive_drop	Packets/s	Volume of data received and then dropped by ENI
NodeNetworkPackets Eth0ReceiveErrs	ENI data packet rate _eth0-receive_errs	Packets/s	Volume of data failed to be received by ENI

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Parameter	Metric Name	Unit	Description
NodeNetworkPackets Eth0TransmitDrop	ENI data packet rate _eth0-transmit_drop	Packets/s	Volume of data sent and then dropped by ENI
NodeNetworkPackets Eth0TransmitErrs	ENI data packet rate _eth0-transmit_errs	Packets/s	Volume of data failed to be sent by ENI
NodeNetworkPackets Eth0TransmitPackets	ENI data packet rate _eth0_transmit_packets	Packets/s	Number of packets sent by ENI
NodeNetworkTcp SocketTcpInuse	TCP sockets _TCP_inuse	Count	Number of TCP sockets in use (listening)
NodeNetworkTcp SocketTcpOrphan	TCP sockets _TCP_orphan	Count	Number of TCP connections waiting to be closed
NodeNetwork TcpSocketTcpTw	TCP sockets _TCP_tw	Count	Number of TCP sockets to be destroyed
NodeNetworkTcp SocketSocketsUsed	TCP sockets _sockets_used	Count	Number of users using TCP sockets
NodeNetworkTcp SocketTcpAlloc	TCP sockets _TCP_alloc	Count	Number of TCP sockets allocated (established, obtained sk_buff)
NodeNetworkTcp ConnectionStateEstablished	TCP connection status _ESTABLISHED	Count	Number of TCP connections in the Established state
NodeNetworkTcp ConnectionStateSynSent	TCP connection status _SYN-SENT	Count	Number of TCP connections in the SYN-SENT state
NodeNetworkTcp ConnectionStateSynRecv	TCP connection status _SYN-RECV	Count	Number of TCP connections in the SYN-RECV state
NodeNetworkTcp ConnectionStateClose	TCP connection status _CLOSE	Count	Number of TCP connections in the CLOSE state

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Parameter	Metric Name	Unit	Description
NodeNetworkTcpConnectionStateCloseWait	TCP connection status_CLOSE-WAIT	Count	Number of TCP connections in the CLOSE-WAIT state
NodeNetworkTcpConnectionStateListen	TCP connection status_LISTEN	Count	Number of TCP connections in the LISTEN state
NodeNetworkTcpConnectionStateClosing	TCP connection status_CLOSING	Count	Number of TCP connections in the CLOSING state

Server - Filehandle

Parameter	Metric Name	Unit	Description	Dimension
NodeFdFilefdAllocated	File handles_allocated	Count	Number of allocated file handles	host4nodefilehandle, id4nodefilehandle
NodeFdFilefdMaximum	File handles_maximum	Count	Maximum number of file handles	host4nodefilehandle, id4nodefilehandle

Server - Process

Parameter	Metric Name	Unit	Description	Dimension
NodeIntrIntrTotal	System interrupts_intr_total	Interrupts/s	Number of system interrupts	host4nodeproc id4nodeproces
NodeSwitchesContextSwitchesTotal	System context switches_context_switches_total	Switches/s	Number of system context switches	host4nodeproc id4nodeproces
NodeProcsForksTotal	System processes_forks_total	Processes/s	Number of new system processes	host4nodeproc id4nodeproces

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Parameter	Metric Name	Unit	Description	Dimension
NodeProcsProcsRunning	System processes_procs_running	Processes/s	Number of running system processes	host4nodeproc id4nodeproces
NodeProcsProcsBlocked	System processes_procs_blocked	Processes/s	Number of blocked system processes	host4nodeproc id4nodeproces
NodeProcsProcsTotal	System processes_procs_total	Processes/s	Total number of system processes	host4nodeproc id4nodeproces
NodeAgentVersion Agentversion	Agent version_AgentVersion	version	Agent version	host4nodeproc id4nodeproces

Overview of the Parameters in Each Dimension

Parameter Name	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.0.Name	id4nodecpu	Dimension name of the EMR instance ID	String-type dimension name, such as id4nodecpu
Instances.N.Dimensions.0.Value	id4nodecpu	Specific EMR instance ID	Specific instance ID, such as emr-abcdef88
Instances.N.Dimensions.1.Name	host4nodecpu	Dimension name of the node IP in the EMR instance	String-type dimension name, such as host4nodecpu
Instances.N.Dimensions.1.Name	host4nodecpu	Specific node IP in the EMR instance	Specific node IP, such as 1.1.1.1
Instances.N.Dimensions.0.Name	id4nodememory	Dimension name of the EMR instance ID	String-type dimension name, such as id4nodememory

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Parameter Name	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.0.Value	id4nodememory	Specific EMR instance ID	Specific instance ID, such as emr-abcdef88
Instances.N.Dimensions.1.Name	host4nodememory	Dimension name of the node IP in the EMR instance	String-type dimension name, such as host4nodememory
Instances.N.Dimensions.1.Name	host4nodememory	Specific node IP in the EMR instance	Specific node IP, such as 1.1.1.1
Instances.N.Dimensions.0.Name	id4nodenetwork	Dimension name of the EMR instance ID	String-type dimension name, such as id4nodenetwork
Instances.N.Dimensions.0.Value	id4nodenetwork	Specific EMR instance ID	Specific instance ID, such as emr-abcdef88
Instances.N.Dimensions.1.Name	host4nodenetwork	Dimension name of the node IP in the EMR instance	String-type dimension name, such as host4nodenetwork
Instances.N.Dimensions.1.Name	host4nodenetwork	Specific node IP in the EMR instance	Specific node IP, such as 1.1.1.1
Instances.N.Dimensions.0.Name	id4nodefilehandle	Dimension name of the EMR instance ID	String-type dimension name, such as id4nodefilehandle
Instances.N.Dimensions.0.Value	id4nodefilehandle	Specific EMR instance ID	Specific instance ID, such as emr-abcdef88
Instances.N.Dimensions.1.Name	host4nodefilehandle	Dimension name of the node IP in the EMR instance	String-type dimension name, such as host4nodefilehandle
Instances.N.Dimensions.1.Name	host4nodefilehandle	Specific node IP in the EMR instance	Specific node IP, such as 1.1.1.1
Instances.N.Dimensions.0.Name	id4nodeprocess	Dimension name of the EMR instance ID	String-type dimension name, such as id4nodeprocess
Instances.N.Dimensions.0.Value	id4nodeprocess	Specific EMR instance ID	Specific instance ID, such as emr-abcdef88

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Parameter Name	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.1.Name	host4nodeprocess	Dimension name of the node IP in the EMR instance	String-type dimension name, such as host4nodeprocess
Instances.N.Dimensions.1.Name	host4nodeprocess	Specific node IP in the EMR instance	Specific node IP, such as 1.1.1.1

Input Parameters

EMR (Node) supports querying monitoring data based on the following five combinations of dimensions. The values for the input parameters are as follows:

1. To query the metric monitoring data of Server - CPU, use the following input parameters:

&Namespace=QCE/TXMR_NODE

&Instances.N.Dimensions.0.Name=id4nodecpu

&Instances.N.Dimensions.0.Value=EMR instance ID

&Instances.N.Dimensions.1.Name=host4nodecpu

&Instances.N.Dimensions.1.Value=Specific node IP in the EMR instance

2. To query the metric monitoring data of Server - Memory, use the following input parameters:

&Namespace=QCE/TXMR_NODE

&Instances.N.Dimensions.0.Name=id4nodememory

&Instances.N.Dimensions.0.Value=EMR instance ID

&Instances.N.Dimensions.1.Name=host4nodememory

&Instances.N.Dimensions.1.Value=Specific node IP in the EMR instance

3. To query the metric monitoring data of Server - Network, use the following input parameters:

&Namespace=QCE/TXMR_NODE

&Instances.N.Dimensions.0.Name=id4nodenetwork

&Instances.N.Dimensions.0.Value=EMR instance ID

&Instances.N.Dimensions.1.Name=host4nodenetwork

&Instances.N.Dimensions.1.Value=Specific node IP in the EMR instance

4. To query the metric monitoring data of Server - Filehandle, use the following input parameters:

&Namespace=QCE/TXMR_NODE

&Instances.N.Dimensions.0.Name=id4nodefilehandle

&Instances.N.Dimensions.0.Value=EMR instance ID

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&Instances.N.Dimensions.1.Name=host4nodefilehandle

&Instances.N.Dimensions.1.Value=Specific node IP in the EMR instance

5. To query the metric monitoring data of Server - Process, use the following input parameters:

&Namespace=QCE/TXMR_NODE

&Instances.N.Dimensions.0.Name= id4nodeprocess

&Instances.N.Dimensions.0.Value=EMR instance ID

&Instances.N.Dimensions.1.Name=host4nodeprocess

&Instances.N.Dimensions.1.Value=Specific node IP in the EMR instance

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EMR (Presto)

Last updated：2020-09-08 10:40:08

Namespace

Namespace=QCE/TXMR_PRESTO

Monitoring Metrics

Presto - Overview

Parameter	Metric Name	Unit	Description	Dimension
EmrPrestoOverviewPresto PrestoMNodesActive	Number of nodes_Active	-	Number of active nodes	id4prestoov
EmrPrestoOverviewPresto PrestoMNodesTotal	Number of nodes_Total	-	Total number of nodes	id4prestoov
EmrPrestoOverviewPresto PrestoMNodesFailed	Number of nodes_Failed	-	Number of failed nodes	id4prestoov
EmrPrestoOverviewPresto PrestoMQueries Runningqueries	Queries_RunningQueries	-	Total number of running queries	id4prestoov
EmrPrestoOverviewPresto MQueriesOneMinute Failedqueries	Query frequency_FailedQueries	Queries/min	Total number of failed queries	id4prestoov
EmrPrestoOverviewPresto MQueriesOneMinute Abandonedqueries	Query frequency_AbandonedQueries	Queries/min	Total number of aborted queries	id4prestoov
EmrPrestoOverviewPresto MQueriesOneMinute	Query frequency_CanceledQueries	Queries/min	Total number of	id4prestoov

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Canceledqueries			canceled queries	
EmrPrestoOverviewPrestoMQueriesOneMinuteCompletedqueries	Query frequency_CompletedQueries	Queries/min	Total number of completed queries	id4prestoov
EmrPrestoOverviewPrestoMQueriesOneMinuteStartedqueries	Query frequency_StartedQueries	Queries/min	Total number of started queries	id4prestoov
EmrPrestoOverviewPrestoMDataOneMinuteRateInputdatasizeoneminute	Volume of input/output data per minute_InputDataSizeOneMinute	GB/min	Data input rate	id4prestoov
EmrPrestoOverviewPrestoMDataOneMinuteRateOutputdatasizeoneminute	Volume of input/output data per minute_OutputDataSizeOneMinute	GB/min	Data output rate	id4prestoov

Presto - OverviewOriginal

Parameter	Metric Name	Unit	Description	Dimension
EmrPrestoOverviewOriginalPrestoPrestoMNodesActive	Number of nodes_Active	-	Number of active nodes	id4prestoove host4prestoc
EmrPrestoOverviewOriginalPrestoPrestoMNodesTotal	Number of nodes_Total	-	Total number of nodes	id4prestoove host4prestoc
EmrPrestoOverviewOriginalPrestoPrestoMNodesFailed	Number of nodes_Failed	-	Number of failed nodes	id4prestoove host4prestoc
EmrPrestoOverviewOriginalPrestoPrestoMQueriesRunningqueries	Queries_RunningQueries	-	Total number of running queries	id4prestoove host4prestoc
EmrPrestoOverviewOriginalPrestoMQueriesOneMinuteFailedqueries	Query frequency_FailedQueries	Queries/min	Total number of failed queries	id4prestoove host4prestoc

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EmrPrestoOverview OriginalPresto MQueriesOneMinute Abandonedqueries	Query frequency_AbandonedQueries	Queries/min	Total number of aborted queries	id4prestoove host4prestoc
EmrPrestoOverview OriginalPresto MQueriesOneMinute Canceledqueries	Query frequency_CanceledQueries	Queries/min	Total number of canceled queries	id4prestoove host4prestoc
EmrPrestoOverview OriginalPresto MQueriesOneMinute Completedqueries	Query frequency_CompletedQueries	Queries/min	Total number of completed queries	id4prestoove host4prestoc
EmrPrestoOverview OriginalPresto MQueriesOneMinute Startedqueries	Query frequency_StartedQueries	Queries/min	Total number of started queries	id4prestoove host4prestoc
EmrPrestoOverview OriginalPresto MDataOneMinuteRate Inputdatasizeoneminute	Volume of input/output data per minute_InputDataSizeOneMinute	GB/min	Data input rate	id4prestoove host4prestoc
EmrPrestoOverview OriginalPresto MDataOneMinuteRate Outputdatasizeoneminute	Volume of input/output data per minute_OutputDataSizeOneMinute	GB/min	Data output rate	id4prestoove host4prestoc

Presto - Worker

Parameter	Metric Name	Unit	Description	Dime
PrestoWGcUtilGcCountYgc	GC count_YGC	-	Young GC count	host4 id4pr
PrestoWGcUtilGcCountFgc	GC count_FGC	-	Full GC count	host4 id4pr
PrestoWGcUtilGcTimeFgct	GC time_FGCT	s	Time consumed by Full GC	host4 id4pr
PrestoWGcUtilGcTimeGct	GC time_FGCT	s	Time used to collect garbage	host4 id4pr
PrestoWGcUtilGcTimeYgct	GC time_YGCT	s	Time consumed	host4

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			by Young GC	id4pr
PrestoWGcUtilMemoryS0	Memory space percentage_S0	%	Percentage of used Survivor 0 memory	host4 id4pr
PrestoWGcUtilMemoryE	Memory space percentage_E	%	Percentage of used Eden memory	host4 id4pr
PrestoWGcUtilMemoryCcs	Memory space percentage_CCS	%	Percentage of memory used by compressed class space	host4 id4pr
PrestoWGcUtilMemoryS1	Memory space percentage_S1	%	Percentage of used Survivor 1 memory	host4 id4pr
PrestoWGcUtilMemoryO	Memory space percentage_O	%	Percentage of used Old memory	host4 id4pr
PrestoWGcUtilMemoryM	Memory space percentage_M	%	Percentage of used Metaspace memory	host4 id4pr
PrestoWJvmMemMem nonheapusedm	JVM memory_MemNonHeapUsedM	MB	Size of the NonHeapMemory currently used by JVM	host4 id4pr
PrestoWJvmMemMem nonheapcommittedm	JVM memory_MemNonHeapCommittedM	MB	Size of the NonHeapMemory currently committed by JVM	host4 id4pr
PrestoWJvmMem Memheapusedm	JVM memory_MemHeapUsedM	MB	Size of the HeapMemory currently used by JVM	host4 id4pr
PrestoWJvmMemMem heapcommittedm	JVM memory_MemHeapCommittedM	MB	Size of the HeapMemory currently committed by JVM	host4 id4pr

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PrestoWJvmMem Memheapmaxm	JVM memory_MemHeapMaxM	MB	Size of the HeapMemory configured by JVM	host4 id4pr
PrestoWJvmMem Memheapinitm	JVM memory_MemHeapInitM	MB	Size of the initial JVM HeapMem	host4 id4pr
PrestoWJvmMem Memnonheapinitm	JVM memory_MemNonHeapInitM	MB	Size of the initial JVM NonHeapMem	host4 id4pr
PrestoWDataOneMinute RateInputdatasizeoneminute	Data input/output rate_InputDataSizeOneMinute	GB/min	Data input rate	host4 id4pr
PrestoWDataOneMinute RateOutputdata sizeoneminute	Data input/output rate_OutputDataSizeOneMinute	GB/min	Data output rate	host4 id4pr
PrestoWThreadCount Peakthreadcount	Number of threads_PeakThreadCount	-	Peak number of threads	host4 id4pr
PrestoWThreadCount Daemonthreadcount	Number of threads_DaemonThreadCount	-	Number of threads	host4 id4pr
PrestoWThreadCount Threadcount	Number of threads_ThreadCount	-	Number of background threads	host4 id4pr
PrestoWUptimeUptime	Process run time_Uptime	s	Process run time	host4 id4pr
PrestoWStartTimeStarttime	Process start time_StartTime	s	Process start time	host4 id4pr
PrestoWOsFdCount Maxfiledescriptorcount	Number of file descriptors_MaxFileDescriptorCount	-	Maximum number of file descriptors	host4 id4pr
PrestoWOsFdCount Openfiledescriptorcount	Number of file descriptors_OpenFileDescriptorCount	-	Number of opened file descriptors	host4 id4pr

Presto - Coordinator

Parameter	Metric Name	Unit	Description	Dimension

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PrestoMGc UtilGcCountYgc	GC count_YGC	-	Young GC count	host4presto id4prestopr
PrestoMGc UtilGcCountFgc	GC count_FGC	-	Full GC count	host4presto id4prestopr
PrestoMGc UtilGcTimeFgct	GC time_FGCT	s	Time consumed by Full GC	host4presto id4prestopr
PrestoMGc UtilGcTimeGct	GC time_FGCT	s	Time used to collect garbage	host4presto id4prestopr
PrestoMGc UtilGcTimeYgct	GC time_YGCT	s	Time consumed by Young GC	host4presto id4prestopr
PrestoMGc UtilMemoryS0	Memory space percentage_S0	%	Percentage of used Survivor 0 memory	host4presto id4prestopr
PrestoMGcUtilMemoryE	Memory space percentage_E	%	Percentage of used Eden memory	host4presto id4prestopr
PrestoMGc UtilMemoryCcs	Memory space percentage_CCS	%	Percentage of memory used by compressed class space	host4presto id4prestopr
PrestoMGcUtilMemoryS1	Memory space percentage_S1	%	Percentage of used Survivor 1 memory	host4presto id4prestopr
PrestoMGcUtilMemoryO	Memory space percentage_O	%	Percentage of used Old memory	host4presto id4prestopr
PrestoMGcUtilMemoryM	Memory space percentage_M	%	Percentage of used Metaspace memory	host4presto id4prestopr
PrestoMJvmMemMem nonheapusedm	JVM memory_MemNonHeapUsedM	MB	Size of the NonHeapMemory currently used by JVM	host4presto id4prestopr
PrestoMJvmMemMem nonheapcommittedm	JVM memory_MemNonHeapCommittedM	MB	Size of the NonHeapMemory currently	host4presto id4prestopr

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			committed by JVM	
PrestoMJvmMem Memheapusedm	JVM memory_MemHeapUsedM	MB	Size of the HeapMemory currently used by JVM	host4presto id4prestopre
PrestoMJvmMem Memheapcommittedm	JVM memory_MemHeapCommittedM	MB	Size of the HeapMemory currently committed by JVM	host4presto id4prestopre
PrestoMJvmMem Memheapmaxm	JVM memory_MemHeapMaxM	MB	Size of the HeapMemory configured by JVM	host4presto id4prestopre
PrestoMJvmMem Memheapinitm	JVM memory_MemHeapInitM	MB	Size of the initial JVM HeapMem	host4presto id4prestopre
PrestoMJvmMem Memnonheapinitm	JVM memory_MemNonHeapInitM	MB	Size of the initial JVM NonHeapMem	host4presto id4prestopre
PrestoMThreadCount Peakthreadcount	Number of threads_PeakThreadCount	-	Peak number of threads	host4presto id4prestopre
PrestoMThreadCount Daemonthreadcount	Number of threads_DaemonThreadCount	-	Number of threads	host4presto id4prestopre
PrestoMThread CountThreadcount	Number of threads_ThreadCount	-	Peak number of background threads	host4presto id4prestopre
PrestoMUptimeUptime	Process run time_Uptime	s	Process run time	host4presto id4prestopre
PrestoMStart TimeStarttime	Process start time_StartTime	s	Process start time	host4presto id4prestopre
PrestoMOsFdCount Maxfiledescriptorcount	Number of file descriptors_MaxFileDescriptorCount	-	Maximum number of file descriptors	host4presto id4prestopre
PrestoMOsFdCount Openfiledescriptorcount	Number of file descriptors_OpenFileDescriptorCount	-	Number of opened file	host4presto id4prestopre

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			descriptors	

Overview of the Parameters in Each Dimension

Parameter Name	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.0.Name	id4prestooverview	Dimension name of the EMR instance ID	String-type dimension name such as id4prestooverview
Instances.N.Dimensions.0.Value	id4prestooverview	Specific EMR instance ID	Specific EMR instance ID, such as emr-mm8bs222
Instances.N.Dimensions.1.Name	host4prestooverview	Dimension name of the node IP in the EMR instance	String-type dimension name such as host4prestooverview
Instances.N.Dimensions.1.Value	host4prestooverview	Specific node IP in the EMR instance	Specific node IP, such as 1.1.1.1
Instances.N.Dimensions.0.Name	id4prestoprestoworker	Dimension name of the EMR instance ID	String-type dimension name such as id4prestoprestoworker
Instances.N.Dimensions.0.Value	id4prestoprestoworker	Specific EMR instance ID	Specific EMR instance ID, such as emr-mm8bs222
Instances.N.Dimensions.1.Name	host4prestoprestoworker	Dimension name of the node IP in the EMR instance	String-type dimension name such as host4prestoprestoworker

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Instances.N.Dimensions.1.Value	host4prestoprestoworker	Specific node IP in the EMR instance	Specific node IP, such as 1.1.1.1
Instances.N.Dimensions.0.Name	id4prestoprestocoordinator	Dimension name of the EMR instance ID	String-type dimension name such as id27prestoprestocoordinator
Instances.N.Dimensions.0.Value	id4prestoprestocoordinator	Specific EMR instance ID	Specific EMR instance ID, such as emr-mm8bs222
Instances.N.Dimensions.1.Name	host4prestoprestocoordinator	Dimension name of the node IP in the EMR instance	String-type dimension name such as host4prestoprestocoordinatc
Instances.N.Dimensions.1.Value	host4prestoprestocoordinator	Specific node IP in the EMR instance	Specific node IP, such as 1.1.1.1

Input Parameters

EMR (Presto) supports querying monitoring data based on the following four combinations of dimensions. The values for the input parameters are as follows:

1. To query the metric monitoring data of Presto - Overview, use the following input parameters:

&Namespace=QCE/TXMR_PRESTO

&Instances.N.Dimensions.0.Name=id4prestooverview

&Instances.N.Dimensions.0.Value=EMR instance ID

2. To query the metric monitoring data of Presto - OverviewOriginal, use the following input parameters:

&Namespace=QCE/TXMR_PRESTO

&Instances.N.Dimensions.0.Name=id4prestooverview

&Instances.N.Dimensions.0.Value=EMR instance ID

&Instances.N.Dimensions.1.Name=host4prestooverview

&Instances.N.Dimensions.1.Value=Specific node IP in the EMR instance

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3. To query the metric monitoring data of Presto - Worker, use the following input parameters:

&Namespace=QCE/TXMR_PRESTO

&Instances.N.Dimensions.0.Name=id4prestoprestoworker

&Instances.N.Dimensions.0.Value=EMR instance ID

&Instances.N.Dimensions.1.Name=host4prestoprestoworker

&Instances.N.Dimensions.1.Value=Specific node IP in the EMR instance

4. To query the metric monitoring data of Presto - Coordinator, use the following input parameters:

&Namespace=QCE/TXMR_PRESTO

&Instances.N.Dimensions.0.Name=id27prestoprestocoordinator

&Instances.N.Dimensions.0.Value=EMR instance ID

&Instances.N.Dimensions.1.Name=host4prestoprestocoordinator

&Instances.N.Dimensions.1.Value=Specific node IP in the EMR instance

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EMR (Spark)

Last updated：2020-07-28 16:16:59

Namespace

Namespace=QCE/TXMR_SPARK

Monitoring Metrics

Spark - SparkJobHistory

Parameter	Metric Name	Description	Unit	Dimension
SparkShGcUtilGcCountYgc	GC count_YGC	Young GC count	Count	host4sparksparkjobhistoryserver id4sparksparkjobhistoryserver
SparkShGcUtilGcCountFgc	GC count_FGC	Full GC count	Count	host4sparksparkjobhistoryserver id4sparksparkjobhistoryserver
SparkShGcUtilGcTimeFgct	GC time_FGCT	Time consumed by Full GC	s	host4sparksparkjobhistoryserver id4sparksparkjobhistoryserver
SparkShGcUtilGcTimeGct	GC time_GCT	Time used to collect garbage	s	host4sparksparkjobhistoryserver id4sparksparkjobhistoryserver
SparkShGcUtilGcTimeYgct	GC time_YGCT	Time consumed by Young GC	s	host4sparksparkjobhistoryserver id4sparksparkjobhistoryserver
SparkShGcUtilMemoryS0	Memory space percentage_S0	Percentage of used Survivor 0 memory	%	host4sparksparkjobhistoryserver id4sparksparkjobhistoryserver
SparkShGcUtilMemoryE	Memory space percentage_E	Percentage of used Eden memory	%	host4sparksparkjobhistoryserver id4sparksparkjobhistoryserver

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Parameter	Metric Name	Description	Unit	Dimension
SparkShGcUtilMemoryCcs	Memory space percentage_CCS	Percentage of memory used by compressed class space	%	host4sparksparkjobhistoryserver id4sparksparkjobhistoryserver
SparkShGcUtilMemoryS1	Memory space percentage_S1	Percentage of used Survivor 1 memory	%	host4sparksparkjobhistoryserver id4sparksparkjobhistoryserver
SparkShGcUtilMemoryO	Memory space percentage_O	Percentage of used Old memory	%	host4sparksparkjobhistoryserver id4sparksparkjobhistoryserver
SparkShGcUtilMemoryM	Memory space percentage_M	Percentage of used Metaspace memory	%	host4sparksparkjobhistoryserver id4sparksparkjobhistoryserver

Overview of the Parameters in Each Dimension

Parameter Name	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.0.Name	id4sparksparkjob historyserver	Dimension name of the EMR instance ID	String-type dimension name, such as id4sparksparkjobhistoryserver
Instances.N.Dimensions.0.Value	id4sparksparkjob historyserver	Specific EMR instance ID	Specific EMR instance ID, such as emr-mm8bs222
Instances.N.Dimensions.1.Name	host4sparksparkjob historyserver	Dimension name of the node IP in the EMR instance	String-type dimension name, such as host4sparksparkjobhistoryserver
Instances.N.Dimensions.1.Value	host4sparksparkjob historyserver	Specific node IP in the EMR instance	Specific node IP, such as 1.1.1.1

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Input Parameters

To query the monitoring data of EMR (Spark), use the following input parameters:

&Namespace=QCE/TXMR_SPARK

&Instances.N.Dimensions.0.Name=id4sparksparkjobhistoryserver

&Instances.N.Dimensions.0.Value=Specific EMR instance ID

&Instances.N.Dimensions.1.Name=host4sparksparkjobhistoryserver

&Instances.N.Dimensions.1.Value=Specific node IP in the EMR instance

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EMR (YARN)

Last updated：2021-12-22 15:12:54

Namespace

Namespace=QCE/TXMR_YARN

Monitoring Metrics

YARN - Overview

Parameter	Metric	Unit	Description	Dimension
EmrHdfsOverview YarnRmNumsNumactivenms	Number of nodes_NumActiveNMs	-	Number of nodes	host4yarnoverview id4yarnoverview
EmrHdfsOverview YarnRmNumsNumde commissionednms	Number of nodes_NumDecommissionedNMs	-	Number of nodes	host4yarnoverview id4yarnoverview
EmrHdfsOverviewYarn RmNumsNumlostnms	Number of nodes_NumLostNMs	-	Number of nodes	host4yarnoverview id4yarnoverview
EmrHdfsOverview YarnRmNumsNumun healthynms	Number of nodes_NumUnhealthyNMs	-	Number of nodes	host4yarnoverview id4yarnoverview

YARN - OverviewAggregation

Parameter	Metric	Unit	Description	Dimension
EmrHdfsOverviewAggregation YarnRmNumsNumactivenms	Number of nodes_NumActiveNMs	-	Number of nodes	id4yarnoverview
EmrHdfsOverviewAggregation YarnRmNumsNumde commissionednms	Number of nodes_NumDecommissionedNMs	-	Number of nodes	id4yarnoverview
EmrHdfsOverviewAggregation RmNumsNumlostnms	Number of nodes_NumLostNMs	-	Number of nodes	id4yarnoverview

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Parameter	Metric	Unit	Description	Dimension
EmrHdfsOverviewAggregation YarnRmNumsNumun healthynms	Number of nodes_NumUnhealthyNMs	-	Number of nodes	id4yarnoverview

YARN - Cluster

Parameter	Metric	Unit	Description	Dimension
YarnClusterResAppFailed	Applications_failed	-	Total number of applications	host4yarnoverview, id4yarnoverview
YarnClusterResAppKilled	Applications_killed	-	Total number of applications	host4yarnoverview, id4yarnoverview
YarnClusterResAppPending	Applications_pending	-	Total number of applications	host4yarnoverview, id4yarnoverview
YarnClusterResAppRunning	Applications_running	-	Total number of applications	host4yarnoverview, id4yarnoverview
YarnClusterRes AppSubmitted	Applications_submitted	-	Total number of applications	host4yarnoverview, id4yarnoverview
YarnClusterResContainer Containersallocated	Containers_containersAllocated	-	Total number of released containers	host4yarnoverview, id4yarnoverview
YarnClusterResContainer Containerspending	Containers_containersPending	-	Total number of released containers	host4yarnoverview, id4yarnoverview
YarnClusterResContainer Containersreserved	Containers_containersReserved	-	Total number of released containers	host4yarnoverview, id4yarnoverview

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Parameter	Metric	Unit	Description	Dimension
YarnClusterResCpu Allocatedvirtualcores	Cores_allocatedVirtualCores	-	Number of CPU cores	host4yarnoverview, id4yarnoverview
YarnClusterResCpu Availablevirtualcores	Cores_availableVirtualCores	-	Number of CPU cores	host4yarnoverview, id4yarnoverview
YarnClusterResCpu Reservedvirtualcores	Cores_reservedVirtualCores	-	Number of CPU cores	host4yarnoverview, id4yarnoverview
YarnClusterResCpu Totalvirtualcores	Cores_totalVirtualCores	-	Number of CPU cores	host4yarnoverview, id4yarnoverview
YarnClusterResCpu UsageRatioUsageratio	CPU utilization_usageRatio	%	Memory size	host4yarnoverview, id4yarnoverview
YarnClusterResMem Allocatedmb	Memory_allocatedMB	MB	Memory size	host4yarnoverview, id4yarnoverview
YarnClusterResMem Availablemb	Memory_availableMB	MB	Memory size	host4yarnoverview, id4yarnoverview
YarnClusterResMem Reservedmb	Memory_reservedMB	MB	Memory size	host4yarnoverview, id4yarnoverview
YarnClusterRes MemTotalmb	Memory_totalMB	MB	Memory size	host4yarnoverview, id4yarnoverview
YarnClusterResMem UsageRatioUsageratio	Memory utilization_usageRatio	%	Memory size	host4yarnoverview, id4yarnoverview

YARN - ResourceManager

Parameter	Metric	Unit	Description	D
YarnRmRpcAuth5000 Rpcauthenticationfailures	Number of RPC authentication authorizations_RpcAuthenticationFailures	-	Number of RPC authentication authorizations	h i
YarnRmRpcAuth5000 Rpcauthenticationsuccesses	Number of RPC authentication authorizations_RpcAuthorizationSuccesses	-	Number of RPC authentication authorizations	h i

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Parameter	Metric	Unit	Description	D
YarnRmRpcAuth5000 Rpcauthorizationfailures	Number of RPC authentication authorizations_RpcAuthorizationFailures	-	Number of RPC authentication authorizations	h i
YarnRmRpcAuth5000 Rpcauthorizationsuccesses	Number of RPC authentication authorizations_RpcAuthenticationSuccesses	-	Number of RPC authentication authorizations	h i
YarnRmRpcBytes5000 Receivedbytes	Volume of data received/sent by RPC_ReceivedBytes	bytes/s	Volume of data received/sent by RPC	h i
YarnRmRpcBytes5000 Sentbytes	Volume of data received/sent by RPC_SentBytes	bytes/s	Volume of data received/sent by RPC	h i
YarnRmRpc Connections5000 Numopenconnections	Number of RPC connections_NumOpenConnections	-	Number of RPC connections	h i
YarnRmRpcOps5000 Rpcprocessingtimenumops	Number of RPC requests_RpcProcessingTimeNumOps	-	Number of RPC requests	h i
YarnRmRpcOps5000 Rpcqueuetimenumops	Number of RPC requests_RpcQueueTimeNumOps	-	Number of RPC requests	h i
YarnRmRpcQueueLen5000 Callqueuelength	RPC queue length_CallQueueLength	-	RPC queue length	h i
YarnRmRpcTime5000 Rpcprocessingtimeavgtime	Average RPC processing time_RpcProcessingTimeAvgTime	s	Average RPC processing time	h i
YarnRmRpcTime5000 Rpcqueuetimeavgtime	Average RPC processing time_RpcQueueTimeAvgTime	s	Average RPC processing time	h i
YarnRmRpcAuth5000 Rpcauthenticationfailures	Number of RPC authentication authorizations_RpcAuthenticationFailures	-	Number of RPC authentication authorizations	h i

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Parameter	Metric	Unit	Description	D
YarnRmRpcAuth5000 Rpcauthenticationsuccesses	Number of RPC authentication authorizations_RpcAuthenticationSuccesses	-	Number of RPC authentication authorizations	h i
YarnRmRpcAuth5000 Rpcauthorizationfailures	Number of RPC authentication authorizations_RpcAuthorizationFailures	-	Number of RPC authentication authorizations	h i
YarnRmRpcAuth5000 Rpcauthorizationsuccesses	Number of RPC authentication authorizations_RpcAuthorizationSuccesses	-	Number of RPC authentication authorizations	h i
YarnRmRpcBytes5000 Receivedbytes	Volume of data received/sent by RPC_ReceivedBytes	bytes/s	Volume of data received/sent by RPC	h i
YarnRmRpcBytes5000 Sentbytes	Volume of data received/sent by RPC_SentBytes	bytes/s	Volume of data received/sent by RPC	h i
YarnRmRpcConnections5000 Numopenconnections	Number of RPC connections_NumOpenConnections	-	Number of RPC connections	h i
YarnRmRpcOps5000 Rpcprocessingtimenumops	Number of RPC requests_RpcProcessingTimeNumOps	-	Number of RPC requests	h i
YarnRmRpcOps5000 Rpcqueuetimenumops	Number of RPC requests_RpcQueueTimeNumOps	-	Number of RPC requests	h i
YarnRmRpcQueueLen5000 Callqueuelength	RPC queue length_CallQueueLength	-	RPC queue length	h i
YarnRmRpcTime5000 Rpcprocessingtimeavgtime	Average RPC processing time_RpcProcessingTimeAvgTime	s	Average RPC processing time	h i
YarnRmRpcTime5000 Rpcqueuetimeavgtime	Average RPC processing time_RpcQueueTimeAvgTime	s	Average RPC processing time	h i

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Parameter	Metric	Unit	Description	D
YarnRmRpcAuth5000 Rpcauthenticationfailures	Number of RPC authentication authorizations_RpcAuthenticationSuccesses	-	Number of RPC authentication authorizations	h i
YarnRmRpcAuth5000 Rpcauthenticationsuccesses	Number of RPC authentication authorizations_RpcAuthenticationSuccesses	-	Number of RPC authentication authorizations	h i
YarnRmRpcAuth5000 Rpcauthorizationfailures	Number of RPC authentication authorizations_RpcAuthorizationFailures	-	Number of RPC authentication authorizations	h i
YarnRmRpcAuth5000 Rpcauthorizationsuccesses	Number of RPC authentication authorizations_RpcAuthorizationSuccesses	-	Number of RPC authentication authorizations	h i
YarnRmRpcBytes5000 Receivedbytes	Volume of data received/sent by RPC_ReceivedBytes	bytes/s	Volume of data received/sent by RPC	h i
YarnRmRpcBytes5000 Sentbytes	Volume of data received/sent by RPC_SentBytes	bytes/s	Volume of data received/sent by RPC	h i
YarnRmRpcConnections5000 Numopenconnections	Number of RPC connections_NumOpenConnections	-	Number of RPC connections	h i
YarnRmRpcOps5000 Rpcprocessingtimenumops	Number of RPC requests_RpcProcessingTimeNumOps	-	Number of RPC requests	h i
YarnRmRpcOps5000 Rpcqueuetimenumops	Number of RPC requests_RpcQueueTimeNumOps	-	Number of RPC requests	h i
YarnRmRpcQueueLen5000 Callqueuelength	RPC queue length_CallQueueLength	-	RPC queue length	h i

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Parameter	Metric	Unit	Description	D
YarnRmRpcTime5000 Rpcprocessingtimeavgtime	Average RPC processing time_RpcProcessingTimeAvgTime	s	Average RPC processing time	h i
YarnRmRpcTime5000 Rpcqueuetimeavgtime	Average RPC processing time_RpcQueueTimeAvgTime	s	Average RPC processing time	h i
YarnRmRpcAuth5000 Rpcauthenticationfailures	Number of RPC authentication authorizations_RpcAuthenticationFailures	-	Number of RPC authentication authorizations	h i
YarnRmRpcAuth5000 Rpcauthenticationsuccesses	Number of RPC authentication authorizations_RpcAuthenticationSuccesses	-	Number of RPC authentication authorizations	h i
YarnRmRpcAuth5000 Rpcauthorizationfailures	Number of RPC authentication authorizations_RpcAuthorizationFailures	-	Number of RPC authentication authorizations	h i
YarnRmRpcAuth5000 Rpcauthorizationsuccesses	Number of RPC authentication authorizations_RpcAuthorizationSuccesses	-	Number of RPC authentication authorizations	h i
YarnRmRpcBytes5000 Receivedbytes	Volume of data received/sent by RPC_ReceivedBytes	bytes/s	Volume of data received/sent by RPC	h i
YarnRmRpcBytes5000 Sentbytes	Volume of data received/sent by RPC_SentBytes	bytes/s	Volume of data received/sent by RPC	h i
YarnRmRpc Connections5000 Numopenconnections	Number of RPC connections_NumOpenConnections	-	Number of RPC connections	h i
YarnRmRpcOps5000 Rpcprocessingtimenumops	Number of RPC requests_RpcProcessingTimeNumOps	-	Number of RPC requests	h i

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Parameter	Metric	Unit	Description	D
YarnRmRpcOps5000 Rpcqueuetimenumops	Number of RPC requests_RpcQueueTimeNumOps	-	Number of RPC requests	h i
YarnRmRpc QueueLen5000 Callqueuelength	RPC queue length_CallQueueLength	-	RPC queue length	h i
YarnRmRpcTime5000 Rpcprocessingtimeavgtime	Average RPC processing time_RpcProcessingTimeAvgTime	s	Average RPC processing time	h i
YarnRmRpcTime5000 Rpcqueuetimeavgtime	GC count_YGC	s	Average RPC processing time	h i
YarnRmGcUtilGcCountYgc	GC count_FGC	-	GC count	h i
YarnRmGcUtilGcCountFgc	GC time_FGCT	-	GC count	h i
YarnRmGcUtilGcTimeFgct	GC time_FGCT	s	GC time	h i
YarnRmGcUtilGcTimeGct	GC time_YGCT	s	GC time	h i
YarnRmGcUtilGcTimeYgct	Memory space percentage_S0	s	GC time	h i
YarnRmGcUtilMemoryS0	Memory space percentage_E	%	Memory space percentage	h i
YarnRmGcUtilMemoryE	Memory space percentage_CCS	%	Memory space percentage	h i
YarnRmGcUtilMemoryCcs	Memory space percentage_S1	%	Memory space percentage	h i
YarnRmGcUtilMemoryS1	Memory space percentage_O	%	Memory space percentage	h i

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Parameter	Metric	Unit	Description	D
YarnRmGcUtilMemoryO	Memory space percentage_M	%	Memory space percentage	h i
YarnRmGcUtilMemoryM	Number of JVM threads_ThreadsNew	%	Memory space percentage	h i
YarnRmJvmJava ThreadsThreadsnew	Number of JVM threads_ThreadsRunnable	-	Number of JVM threads	h i
YarnRmJvmJavaThreads Threadsrunnable	Number of JVM threads_ThreadsBlocked	-	Number of JVM threads	h i
YarnRmJvmJavaThreads Threadsblocked	Number of JVM threads_ThreadsWaiting	-	Number of JVM threads	h i
YarnRmJvmJavaThreads Threadswaiting	Number of JVM threads_ThreadsTimedWaiting	-	Number of JVM threads	h i
YarnRmJvmJavaThreads Threadstimedwaiting	Number of JVM threads_ThreadsTerminated	-	Number of JVM threads	h i
YarnRmJvmJavaThreads Threadsterminated	Number of JVM logs_LogFatal	-	Number of JVM threads	h i
YarnRmJvmLogTotalLogfatal	Number of JVM logs_LogError	-	Number of JVM logs	h i
YarnRmJvmLogTotalLogerror	Number of JVM logs_LogWarn	-	Number of JVM logs	h i
YarnRmJvmLogTotalLogwarn	Number of JVM logs_LogInfo	-	Number of JVM logs	h i
YarnRmJvmLogTotalLoginfo	JVM memory_MemNonHeapUsedM	-	Number of JVM logs	h i
YarnRmJvmMem Memnonheapusedm	JVM memory_MemNonHeapCommittedM	MB	JVM memory	h i
YarnRmJvmMemMem nonheapcommittedm	JVM memory_MemHeapUsedM	MB	JVM memory	h i

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Parameter	Metric	Unit	Description	D
YarnRmJvmMemMem heapusedm	JVM memory_MemHeapCommittedM	MB	JVM memory	h i
YarnRmJvmMemMem heapcommittedm	JVM memory_MemHeapMaxM	MB	JVM memory	h i
YarnRmJvmMem Memheapmaxm	JVM memory_MemMaxM	MB	JVM memory	h i
YarnRmJvmMemMemmaxm	CPU utilization_ProcessCpuLoad	MB	JVM memory	h i
YarnRmOsCpuLoad Processcpuload	Cumulative CPU usage time_ProcessCpuTime	%	CPU utilization	h i
YarnRmOsCpuTime Processcputime	Number of file descriptors_MaxFileDescriptorCount	ms	Cumulative CPU usage time	h i
YarnRmOsFdCount Maxfiledescriptorcount	Number of file descriptors_OpenFileDescriptorCount	-	Number of file descriptors	h i
YarnRmOsFdCount Openfiledescriptorcount	Process run time_Uptime	-	Number of file descriptors	h i
YarnRmRtUptimeUptime	Process run time_Uptime	s	Process run time	h i
YarnRmThreadCount Daemonthreadcount	Number of worker threads_DaemonThreadCount	-	Number of worker threads	h i
YarnRmThreadCount Threadcount	Number of worker threads_ThreadCount	-	Number of worker threads	h i

YARN - JobHistoryServer

Parameter	Metric	Unit	Description	Dimension
YarnJhJvmJava ThreadsThreadsnew	Number of JVM threads_ThreadsNew	-	Number of JVM threads	host4yarnjobh id4yarnjobhist

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Parameter	Metric	Unit	Description	Dimension
YarnJhJvmJava ThreadsThreadsrunnable	Number of JVM threads_ThreadsRunnable	-	Number of JVM threads	host4yarnjobh id4yarnjobhist
YarnJhJvmJava ThreadsThreadsblocked	Number of JVM threads_ThreadsBlocked	-	Number of JVM threads	host4yarnjobh id4yarnjobhist
YarnJhJvmJava ThreadsThreadswaiting	Number of JVM threads_ThreadsWaiting	-	Number of JVM threads	host4yarnjobh id4yarnjobhist
YarnJhJvmJava ThreadsThreadstimedwaiting	Number of JVM threads_ThreadsTimedWaiting	-	Number of JVM threads	host4yarnjobh id4yarnjobhist
YarnJhJvmJava ThreadsThreadsterminated	Number of JVM threads_ThreadsTerminated	-	Number of JVM threads	host4yarnjobh id4yarnjobhist
YarnJhJvmLogTotalLogfatal	Number of JVM logs_LogFatal	-	Number of JVM logs	host4yarnjobh id4yarnjobhist
YarnJhJvmLogTotalLogerror	Number of JVM logs_LogError	-	Number of JVM logs	host4yarnjobh id4yarnjobhist
YarnJhJvmLogTotalLogwarn	Number of JVM logs_LogWarn	-	Number of JVM logs	host4yarnjobh id4yarnjobhist
YarnJhJvmLogTotalLoginfo	Number of JVM logs_LogInfo	-	Number of JVM logs	host4yarnjobh id4yarnjobhist
YarnJhJvmMemMem nonheapusedm	JVM memory_MemNonHeapUsedM	MB	JVM memory	host4yarnjobh id4yarnjobhist
YarnJhJvmMemMem nonheapcommittedm	JVM memory_MemNonHeapCommittedM	MB	JVM memory	host4yarnjobh id4yarnjobhist
YarnJhJvmMemMem heapusedm	JVM memory_MemHeapUsedM	MB	JVM memory	host4yarnjobh id4yarnjobhist
YarnJhJvmMemMem heapcommittedm	JVM memory_MemHeapCommittedM	MB	JVM memory	host4yarnjobh id4yarnjobhist

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Parameter	Metric	Unit	Description	Dimension
YarnJhJvmMemMem heapmaxm	JVM memory_MemHeapMaxM	MB	JVM memory	host4yarnjobh id4yarnjobhist
YarnJhJvmMemMem maxm	JVM memory_MemMaxM	MB	JVM memory	host4yarnjobh id4yarnjobhist
YarnJhsGcUtilGcCountYgc	GC count_YGC	-	GC count	host4yarnjobh id4yarnjobhist
YarnJhsGcUtilGcCountFgc	GC count_FGC	-	GC count	host4yarnjobh id4yarnjobhist
YarnJhsGcUtilGcTimeFgct	GC time_FGCT	s	GC time	host4yarnjobh id4yarnjobhist
YarnJhsGcUtilGcTimeGct	GC time_FGCT	s	GC time	host4yarnjobh id4yarnjobhist
YarnJhsGcUtilGcTimeYgct	GC time_YGCT	s	GC time	host4yarnjobh id4yarnjobhist
YarnJhsGcUtilMemoryS0	Memory space percentage_S0	%	Memory space percentage	host4yarnjobh id4yarnjobhist
YarnJhsGcUtilMemoryE	Memory space percentage_E	%	Memory space percentage	host4yarnjobh id4yarnjobhist
YarnJhsGcUtilMemoryCcs	Memory space percentage_CCS	%	Memory space percentage	host4yarnjobh id4yarnjobhist
YarnJhsGcUtilMemoryS1	Memory space percentage_S1	%	Memory space percentage	host4yarnjobh id4yarnjobhist
YarnJhsGcUtilMemoryO	Memory space percentage_O	%	Memory space percentage	host4yarnjobh id4yarnjobhist
YarnJhsGcUtilMemoryM	Memory space percentage_M	%	Memory space percentage	host4yarnjobh id4yarnjobhist

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Parameter	Metric	Unit	Description	Dimension
YarnJhOsCpuLoad Processcpuload	CPU utilization_ProcessCpuLoad	%	CPU utilization	host4yarnjobh id4yarnjobhist
YarnJhOsCpuTime Processcputime	Cumulative CPU usage time_ProcessCpuTime	ms	Cumulative CPU usage time	host4yarnjobh id4yarnjobhist
YarnJhOsFdCountMax filedescriptorcount	Number of file descriptors_MaxFileDescriptorCount	-	Number of file descriptors	host4yarnjobh id4yarnjobhist
YarnJhOsFdCountOpen filedescriptorcount	Number of file descriptors_OpenFileDescriptorCount	-	Number of file descriptors	host4yarnjobh id4yarnjobhist
YarnJhRtUptimeUptime	Process run time_Uptime	s	Process run time	host4yarnjobh id4yarnjobhist
YarnJhThreadCount Daemonthreadcount	Number of worker threads_DaemonThreadCount	-	Number of worker threads	host4yarnjobh id4yarnjobhist
YarnJhThreadCount Threadcount	Number of worker threads_ThreadCount	-	Number of worker threads	host4yarnjobh id4yarnjobhist

YARN - NodeManager

Parameter	Metric	Unit	Description	Dimension
YarnNmGcUtilGcCountYgc	GC count_YGC	-	GC count	id4yarnnodemar host4yarnnodem
YarnNmGcUtilGcCountFgc	GC count_FGC	-	GC count	id4yarnnodemar host4yarnnodem
YarnNmGcUtilGcTimeFgct	GC time_FGCT	s	GC time	id4yarnnodemar host4yarnnodem
YarnNmGcUtilGcTimeGct	GC time_FGCT	s	GC time	id4yarnnodemar host4yarnnodem
YarnNmGcUtilGcTimeYgct	GC time_YGCT	s	GC time	id4yarnnodemar host4yarnnodem

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Parameter	Metric	Unit	Description	Dimension
YarnNmGcUtilMemoryS0	Memory space percentage_S0	%	Memory space percentage	id4yarnnodemar host4yarnnodem
YarnNmGcUtilMemoryE	Memory space percentage_E	%	Memory space percentage	id4yarnnodemar host4yarnnodem
YarnNmGcUtilMemoryCcs	Memory space percentage_CCS	%	Memory space percentage	id4yarnnodemar host4yarnnodem
YarnNmGcUtilMemoryS1	Memory space percentage_S1	%	Memory space percentage	id4yarnnodemar host4yarnnodem
YarnNmGcUtilMemoryO	Memory space percentage_O	%	Memory space percentage	id4yarnnodemar host4yarnnodem
YarnNmGcUtilMemoryM	Memory space percentage_M	%	Memory space percentage	id4yarnnodemar host4yarnnodem
YarnNmJvmJavaThreads Threadsnew	Number of JVM threads_ThreadsNew	-	Number of JVM threads	id4yarnnodemar host4yarnnodem
YarnNmJvmJavaThreads Threadsrunnable	Number of JVM threads_ThreadsRunnable	-	Number of JVM threads	id4yarnnodemar host4yarnnodem
YarnNmJvmJavaThreads Threadsblocked	Number of JVM threads_ThreadsBlocked	-	Number of JVM threads	id4yarnnodemar host4yarnnodem
YarnNmJvmJavaThreads Threadswaiting	Number of JVM threads_ThreadsWaiting	-	Number of JVM threads	id4yarnnodemar host4yarnnodem
YarnNmJvmJavaThreads Threadstimedwaiting	Number of JVM threads_ThreadsTimedWaiting	-	Number of JVM threads	id4yarnnodemar host4yarnnodem

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Parameter	Metric	Unit	Description	Dimension
YarnNmJvmJavaThreads Threadsterminated	Number of JVM threads_ThreadsTerminated	-	Number of JVM threads	id4yarnnodemar host4yarnnodem
YarnNmJvmLog TotalLogfatal	Number of JVM logs_LogFatal	-	Number of JVM logs	id4yarnnodemar host4yarnnodem
YarnNmJvmLog TotalLogerror	Number of JVM logs_LogError	-	Number of JVM logs	id4yarnnodemar host4yarnnodem
YarnNmJvmLog TotalLogwarn	Number of JVM logs_LogWarn	-	Number of JVM logs	id4yarnnodemar host4yarnnodem
YarnNmJvmLog TotalLoginfo	Number of JVM logs_LogInfo	-	Number of JVM logs	id4yarnnodemar host4yarnnodem
YarnNmJvmMem Memnonheapusedm	JVM memory_MemNonHeapUsedM	MB	JVM memory	id4yarnnodemar host4yarnnodem
YarnNmJvmMem Memnonheapcommittedm	JVM memory_MemNonHeapCommittedM	MB	JVM memory	id4yarnnodemar host4yarnnodem
YarnNmJvmMemMem heapusedm	JVM memory_MemHeapUsedM	MB	JVM memory	id4yarnnodemar host118yarnnod
YarnNmJvmMemMem heapcommittedm	JVM memory_MemHeapCommittedM	MB	JVM memory	id4yarnnodemar host4yarnnodem
YarnNmJvmMem Memheapmaxm	JVM memory_MemHeapMaxM	MB	JVM memory	id4yarnnodemar host4yarnnodem
YarnNmJvmMem Memmaxm	JVM memory_MemMaxM	MB	JVM memory	id4yarnnodemar host4yarnnodem
YarnNmVcores Availablevcores	Number of CPU cores_AvailableVCores	-	Number of CPU cores	id4yarnnodemar host4yarnnodem
YarnNmVcores Allocatedvcores	Number of CPU cores_AllocatedVCores	-	Number of CPU cores	id4yarnnodemar host4yarnnodem
YarnNmMemAllocatedgb	Memory size_AllocatedGB	GB	Memory size	id4yarnnodemar host4yarnnodem
YarnNmMemAvailablegb	Memory size_AvailableGB	GB	Memory size	id4yarnnodemar host4yarnnodem

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Parameter	Metric	Unit	Description	Dimension
YarnNmOsCpuLoad Processcpuload	CPU utilization_ProcessCpuLoad	%	CPU utilization	id4yarnnodemar host4yarnnodem
YarnNmOsCpuTime Processcputime	Cumulative CPU usage time_ProcessCpuTime	ms	Cumulative CPU usage time	id4yarnnodemar host4yarnnodem
YarnNmOsFdCount Maxfiledescriptorcount	Number of file descriptors_MaxFileDescriptorCount	-	Number of file descriptors	id4yarnnodemar host4yarnnodem
YarnNmOsFdCount Openfiledescriptorcount	Number of file descriptors_OpenFileDescriptorCount	-	Number of file descriptors	id4yarnnodemar host4yarnnodem
YarnNmRtUptimeUptime	Process run time_Uptime	s	Process run time	id4yarnnodemar host4yarnnodem
YarnNmThreadCount Daemonthreadcount	Number of worker threads_DaemonThreadCount	-	Number of worker threads	id4yarnnodemar host4yarnnodem
YarnNmThread CountThreadcount	Number of worker threads_ThreadCount	-	Number of worker threads	id4yarnnodemar host4yarnnodem

Dimension and Parameters

Parameter	Dimension	Dimension Description	Format
Instances.N.Dimensions.0.Name	id4yarnoverview	Dimension name of the EMR instance ID	String-type dimension name, such as id4yarnoverview
Instances.N.Dimensions.0.Value	id4yarnoverview	Specific EMR instance ID	Specific EMR instance ID, such as emr-mm8bs222

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Parameter	Dimension	Dimension Description	Format
Instances.N.Dimensions.1.Name	host4yarnoverview	Dimension name of the node IP in the EMR instance	String-type dimension name, such as host4yarnoverview
Instances.N.Dimensions.1.Value	host4yarnoverview	Specific node IP in the EMR instance	Specific node IP, which can be obtained by clicking **Instance** > **Cluster Resources** > **Resource Management** > **Node Private IP** in the EMR console or calling the DescribeClusterNodes API.
Instances.N.Dimensions.0.Name	id4yarnresourcemanager	Dimension name of the EMR instance ID	String-type dimension name, such as id4yarnresourcemanager
Instances.N.Dimensions.0.Value	id4yarnresourcemanager	Specific EMR instance ID	Specific EMR instance ID, such as emr-mm8bs222
Instances.N.Dimensions.1.Name	host4yarnresourcemanager	Dimension name of the node IP in the EMR instance	String-type dimension name, such as host4yarnresourcemanager
Instances.N.Dimensions.1.Value	host4yarnresourcemanager	Specific node IP in the EMR instance	Specific node IP, which can be obtained by clicking **Instance** > **Cluster Resources** > **Resource Management** > **Node Private IP** in the EMR console or calling the DescribeClusterNodes API.

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Parameter	Dimension	Dimension Description	Format
Instances.N.Dimensions.0.Name	id4yarnjobhistoryserver	Dimension name of the EMR instance ID	String-type dimension name, such as id4yarnjobhistoryserver
Instances.N.Dimensions.0.Value	id4yarnjobhistoryserver	Specific EMR instance ID	Specific EMR instance ID, such as emr-mm8bs222
Instances.N.Dimensions.1.Name	host4yarnjobhistoryserver	Dimension name of the node IP in the EMR instance	String-type dimension name, such as host4yarnjobhistoryserver
Instances.N.Dimensions.1.Value	host4yarnjobhistoryserver	Specific node IP in the EMR instance	Specific node IP, which can be obtained by clicking **Instance** > **Cluster Resources** > **Resource Management** > **Node Private IP** in the EMR console or calling the DescribeClusterNodes API.
Instances.N.Dimensions.0.Name	id4yarnnodemanager	Dimension name of the EMR instance ID	String-type dimension name, such as id4yarnnodemanager
Instances.N.Dimensions.0.Value	id4yarnnodemanager	Specific EMR instance ID	Specific EMR instance ID, such as emr-mm8bs222
Instances.N.Dimensions.1.Name	host4yarnnodemanager	Dimension name of the node IP in the EMR instance	String-type dimension name, such as host4yarnnodemanager

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Parameter	Dimension	Dimension Description	Format
Instances.N.Dimensions.1.Value	host4yarnnodemanager	Specific node IP in the EMR instance	Specific node IP, which can be obtained by clicking **Instance** > **Cluster Resources** > **Resource Management** > **Node Private IP** in the EMR console or calling the DescribeClusterNodes API.

Input Parameter Description

EMR (YARN) supports querying monitoring data based on the following five combinations of dimensions. The values for the input parameters are as follows:

1. To query the metric monitoring data of Yarn - Overview Aggregation or YARN - Cluster, use the following input parameters: &Namespace=QCE/TXMR_YARN
&Instances.N.Dimensions.0.Name=id4yarnoverview
&Instances.N.Dimensions.0.Value=EMR instance ID

2. To query the metric monitoring data of Yarn - Overview, use the following input parameters:
&Namespace=QCE/TXMR_YARN
&Instances.N.Dimensions.0.Name=id4yarnoverview
&Instances.N.Dimensions.0.Value=EMR instance ID
&Instances.N.Dimensions.1.Name=host4yarnoverview
&Instances.N.Dimensions.1.Value=Specific node IP in the EMR instance

3. To query the metric monitoring data of YARN - ResourceManager, use the following input parameters:
&Namespace=QCE/TXMR_YARN
&Instances.N.Dimensions.0.Name=id4yarnresourcemanager
&Instances.N.Dimensions.0.Value=EMR instance ID
&Instances.N.Dimensions.1.Name=host4yarnresourcemanager
&Instances.N.Dimensions.1.Value=Specific node IP in the EMR instance

4. To query the metric monitoring data of YARN - JobHistoryServer, use the following input parameters:
&Namespace=QCE/TXMR_YARN
&Instances.N.Dimensions.0.Name=id4yarnjobhistoryserver
&Instances.N.Dimensions.0.Value=EMR instance ID

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&Instances.N.Dimensions.1.Name=host4yarnjobhistoryserver

&Instances.N.Dimensions.1.Value=Specific node IP in the EMR instance

5. To query the metric monitoring data of YARN - NodeManager, use the following input parameters:

&Namespace=QCE/TXMR_YARN

&Instances.N.Dimensions.0.Name=id4yarnnodemanager

&Instances.N.Dimensions.0.Value=EMR instance ID

&Instances.N.Dimensions.1.Name=host4yarnnodemanager

&Instances.N.Dimensions.1.Value=Specific node IP in the EMR instance

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EMR (ZooKeeper)

Last updated：2022-08-25 18:07:30

Namespace

Namespace=QCE/TXMR_ZOOKEEPER

Monitoring metrics

Parameter	Metric	Unit	Description
ZkQmGcUtilGcCountYgc	GC count_YGC	-	Young GC count
ZkQmGcUtilGcCountFgc	GC count_FGC	-	Full GC count
ZkQmGcUtilGcTimeFgct	GC time_FGCT	s	Time consumed by Full GC
ZkQmGcUtilGcTimeGct	GC time_FGCT	s	Time used to collect garbage
ZkQmGcUtilGcTimeYgct	GC time_YGCT	s	Time consumed by Young GC
ZkQmGcUtilMemoryS0	Memory space percentage_S0	%	Percentage of used Survivor 0 memory
ZkQmGcUtilMemoryE	Memory space percentage_E	%	Percentage of used Eden memory
ZkQmGcUtilMemoryCcs	Memory space percentage_CCS	%	Percentage of memory used by compressed class space

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Parameter	Metric	Unit	Description
ZkQmGcUtilMemoryS1	Memory space percentage_S1	%	Percentage of used Survivor 1 memory
ZkQmGcUtilMemoryO	Memory space percentage_O	%	Percentage of used Old memory
ZkQmGcUtilMemoryM	Memory space percentage_M	%	Percentage of used Metaspace memory
ZkQmJvmMemMem nonheapusedm	JVM memory_MemNonHeapUsedM	MB	Size of the NonHeapMemory currently used by JVM
ZkQmJvmMemMem nonheapcommittedm	JVM memory_MemNonHeapCommittedM	MB	Size of the NonHeapMemory currently committed by JVM
ZkQmJvmMemMem heapusedm	JVM memory_MemHeapUsedM	MB	Size of the HeapMemory currently used by JVM
ZkQmJvmMemMem heapcommittedm	JVM memory_MemHeapCommittedM	MB	Size of the HeapMemory currently committed by JVM
ZkQmJvmMem Memheapmaxm	JVM memory_MemHeapMaxM	MB	Size of the HeapMemory configured by JVM
ZkQmJvmMem Memheapinitm	JVM memory_MemHeapInitM	MB	Size of the initial JVM HeapMem
ZkQmJvmMemMem nonheapinitm	JVM memory_MemNonHeapInitM	MB	Size of the initial JVM NonHeapMem

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Parameter	Metric	Unit	Description
ZkQmOsCpuLoad Processcpuload	CPU utilization_ProcessCpuLoad	%	CPU utilization
ZkQmOsFdCountZk MaxFileDescriptorCount	Number of file descriptors_zk_max_file_descriptor_count	-	Maximum number of file descriptors
ZkQmOsFdCountZk OpenFileDescriptorCount	Number of file descriptors_zk_open_file_descriptor_count	-	Number of opened file descriptors
ZkQmOsCpuTime Processcputime	Cumulative CPU usage time_ProcessCpuTime	ms	Cumulative CPU usage time
ZkQmRtUptimeUptime	Process run time_Uptime	s	Process run time
ZkQmThreadCount Daemonthreadcount	Number of worker threads_DaemonThreadCount	-	Number of daemon threads
ZkQmThreadCount Threadcount	Number of worker threads_ThreadCount	-	Total number of threads
ZkConnectionsNumZk NumAliveConnections	Number of connections_zk_num_alive_connections	-	Number of current connections
ZkLatencyZkAvgLatency	Latency_zk_avg_latency	ms	Average latency in ZooKeeper processing
ZkLatencyZkMaxLatency	Latency_zk_max_latency	ms	Maximum latency in ZooKeeper processing
ZkLatencyZkMinLatency	Latency_zk_min_latency	ms	Minimum latency in ZooKeeper processing
ZkDataCount ZkWatchCount	Number of znodes_zk_watch_count	-	Number of ZooKeeper watches

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Parameter	Metric	Unit	Description
ZkDataCount ZkZnodeCount	Number of znodes_zk_znode_count	-	Number of ZooKeeper znodes
ZkDataCountZk EphemeralsCount	Number of znodes_zk_ephemerals_count	-	Number of ephemeral ZooKeeper nodes
ZkDataSizeZk ApproximateDataSize	Data volume_zk_approximate_data_size	B	Volume of data stored in ZooKeeper
ZkStateZkServerState	Node status_zk_server_state	1: primary, 0: secondary, 2: standalone	ZooKeeper node type
ZkPacketsZk PacketsReceived	Number of received/sent packets_zk_packets_received	Packets/s	ZooKeeper package receiving rate
ZkPacketsZkPacketsSent	Number of received/sent packets_zk_packets_sent	Packets/s	ZooKeeper package sending rate
ZkRequestsOutstanding ZkOutstandingRequests	Number of waiting requests_zk_outstanding_requests	-	Number of waiting requests

Dimensions and parameters

Parameter	Dimension	Dimension Description	Format
Instances.N.Dimensions.0.Name	id4zookeeperzookeeper	Dimension name of the EMR instance ID	String-type dimension name, such as id4zookeeperzookeeper

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Parameter	Dimension	Dimension Description	Format
Instances.N.Dimensions.0.Value	id4zookeeperzookeeper	Specific EMR instance ID	Specific EMR instance ID, such as emr-mm8bs222
Instances.N.Dimensions.1.Name	host4zookeeperzookeeper	Dimension name of the node IP in the EMR instance	String-type dimension name, such as host4zookeeperzookeeper
Instances.N.Dimensions.1.Value	host4zookeeperzookeeper	Specific node IP in the EMR instance	Specific node IP, which can be obtained by clicking **Instance** > **Cluster Resources** > **Resource Management** > **Node Private IP** in the EMR console or calling the DescribeClusterNodes API.

Input parameters

To query the monitoring data of EMR (ZooKeeper), use the following input parameters:

Namespace=QCE/TXMR_ZOOKEEPER
&Instances.N.Dimensions.0.Name=id4zookeeperzookeepe
&Instances.N.Dimensions.0.Value=EMR instance ID
&Instances.N.Dimensions.1.Name=host4zookeeperzookeeper
&Instances.N.Dimensions.1.Value=Specific node IP in the EMR instance

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EMR (Kudu)

Last updated：2022-09-19 15:00:27

Namespace

Namespace=QCE/TXMR_KUDU

Monitoring Metrics

Kudu - master

Metric	Description	Unit	Dimension
KuduMasterAllocated BytesAllocatedbytes	Number of allocated bytes_AllocatedBytes	Bytes	host4kudukudum id4kudukudumas
KuduMasterBlock CacheBlockcachehit	Number of block cache hits_BlockCacheHit	-	host4kudukudum id4kudukudumas
KuduMasterBlock CacheBlockcachemiss	Number of block cache hits_BlockCacheMiss	-	host4kudukudum id4kudukudumas
KuduMasterBlockCacheUsage Blockcacheusage	Block cache utilization_BlockCacheUsage	Bytes	host4kudukudum id4kudukudumas
KuduMasterBlockManager BlocksBlockopenreading	Number of block manager blocks_BlockOpenReading	-	host4kudukudum id4kudukudumas
KuduMasterBlockManager BlocksBlockopenwriting	Number of block manager blocks_BlockOpenWriting	-	host4kudukudum id4kudukudumas
KuduMasterBlockManager BlocksBlockundermanagement	Number of block manager blocks_BlockUnderManagement	-	host4kudukudum id4kudukudumas
KuduMasterBlockManager BytesBytesundermanagement	Number of block manager bytes_BytesUnderManagement	Bytes	host4kudukudum id4kudukudumas
KuduMasterBlockManager ContainerContainer sundermanagement	Number of block manager containers_ContainersUnderManagement	-	host4kudukudum id4kudukudumas

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Metric	Description	Unit	Dimension
KuduMasterClusterReplicaSkewClusterreplicaskew	Difference in the number of replicas_ClusterReplicaSkew	-	host4kudukudumid4kudukudumas
KuduMasterContextSwitchesInvoluntaryswitches	Context_InvoluntarySwitches	-	host4kudukudumid4kudukudumas
KuduMasterContextSwitchesVoluntaryswitches	Context_InvoluntarySwitches	-	host4kudukudumid4kudukudumas
KuduMasterCpuTimeCpustime	CPU time_CPUStime	ms	host4kudukudumid4kudukudumas
KuduMasterCpuTimeCpuutime	CPU time_CPUUtime	ms	host4kudukudumid4kudukudumas
KuduMasterDataDirDatadirsfailed	Number of data paths_DataDirsFailed	-	host4kudukudumid4kudukudumas
KuduMasterDataDirDatadirsfull	Number of data paths_DataDirsFull	-	host4kudukudumid4kudukudumas
KuduMasterFileCacheFilecachehit	Number of file cache hits_FileCacheHit	-	host4kudukudumid4kudukudumas
KuduMasterFileCacheFilecachemiss	Number of file cache hits_FileCacheMiss	-	host4kudukudumid4kudukudumas
KuduMasterFileCacheUsageFilecacheusage	File cache utilization_FileCacheUsage	-	host4kudukudumid4kudukudumas
KuduMasterHybridClockErrorHybridclockerror	Hybrid clock error_HybridClockError	us	host4kudukudumid4kudukudumas
KuduMasterHybridClockTimestampHybridclocktimestamp	Hybrid clock timestamp_HybridClockTimestamp	us	host4kudukudumid4kudukudumas
KuduMasterLogMessagesErrormessages	Number of log messages_ErrorMessages	-	host4kudukudumid4kudukudumas
KuduMasterLogMessagesWarningmessages	Number of log messages_WarningMessages	-	host4kudukudumid4kudukudumas
KuduMasterNumRaftLeadersNumraftleaders	Number of tablet leaders_NumRaftLeaders	-	host4kudukudumid4kudukudumas

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Metric	Description	Unit	Dimension
KuduMasterOpenSource SessionsOpemsourcesessions	Number of tablet sessions_OpenSourceSessions	-	host4kudukudum id4kudukudumas
KuduMasterOpApply QueueLengthMax	Number of operations in the queue_Max	-	host4kudukudum id4kudukudumas
KuduMasterOpApply QueueLengthMean	Number of operations in the queue_Mean	-	host4kudukudum id4kudukudumas
KuduMasterOpApply QueueLengthMin	Number of operations in the queue_Min	-	host4kudukudum id4kudukudumas
KuduMasterOpApply QueueLengthPercentile999	Number of operations in the queue_Percentile_99_9	-	host4kudukudum id4kudukudumas
KuduMasterOpApply QueueLengthTotalcount	Number of operations in the queue_TotalCount	-	host4kudukudum id4kudukudumas
KuduMasterOpApply QueueTimeTotalcount	Queuing wait time_TotalCount	us	host4kudukudum id4kudukudumas
KuduMasterOp ApplyRunTimeMax	Operation execution duration_Max	us	host4kudukudum id4kudukudumas
KuduMasterOp ApplyRunTimeMean	Operation execution duration_Mean	us	host4kudukudum id4kudukudumas
KuduMasterOp ApplyRunTimeMin	Operation execution duration_Min	us	host4kudukudum id4kudukudumas
KuduMasterOpApplyRun TimePercentile999	Operation execution duration_Percentile_99_9	us	host4kudukudum id4kudukudumas
KuduMasterOpApplyRun TimeTotalcount	Operation execution duration_TotalCount	us	host4kudukudum id4kudukudumas
KuduMasterOp ApplyQueueTimeMax	Queuing wait time_Max	us	host4kudukudum id4kudukudumas
KuduMasterOp ApplyQueueTimeMean	Queuing wait time_Mean	us	host4kudukudum id4kudukudumas
KuduMasterOp ApplyQueueTimeMin	Queuing wait time_Min	us	host4kudukudum id4kudukudumas

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Metric	Description	Unit	Dimension
KuduMasterOpApplyQueue TimePercentile999	Queuing wait time_Percentile_99_9	us	host4kudukudum id4kudukudumas
KuduMasterRpcConsensus serviceRunleaderelectionMax	RPCRunLeader election_Max	us	host4kudukudum id4kudukudumas
KuduMasterRpcConsensus serviceRunleaderelectionMean	RPCRunLeader election_Mean	us	host4kudukudum id4kudukudumas
KuduMasterRpcConsensus serviceRunleaderelectionMin	RPCRunLeader election_Min	us	host4kudukudum id4kudukudumas
KuduMasterRpcConnections Connectionsaccepted	Number of RPC requests_ConnectionsAccepted	-	host4kudukudum id4kudukudumas
KuduMasterRpcConnections Queueoverflow	Number of RPC requests_QueueOverflow	-	host4kudukudum id4kudukudumas
KuduMasterRpcConnections Timesoutinqueue	Number of RPC requests_TimesOutInQueue	-	host4kudukudum id4kudukudumas
KuduMasterRpcConsensus serviceRunleaderelectionTotalcount	RPCRunLeader election_TotalCount	us	host4kudukudum id4kudukudumas
KuduMasterRpcMasterservice ConnecttomasterMax	RPC connection to the master service_Max	us	host4kudukudum id4kudukudumas
KuduMasterRpcMasterservice ConnecttomasterMean	RPC connection to the master service_Mean	us	host4kudukudum id4kudukudumas
KuduMasterRpcMasterservice ConnecttomasterMin	RPC connection to the master service_Min	us	host4kudukudum id4kudukudumas
KuduMasterRpcMasterservice ConnecttomasterPercentile999	RPC connection to the master service_Percentile_99_9	us	host4kudukudum id4kudukudumas
KuduMasterRpcMasterservice ConnecttomasterTotalcount	RPC connection to the master service_TotalCount	us	host4kudukudum id4kudukudumas
KuduMasterRpc MasterservicePingMax	RPCPing connection_Max	us	host4kudukudum id4kudukudumas
KuduMasterRpcMaster servicePingMean	RPCPing connection_Mean	us	host4kudukudum id4kudukudumas

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Metric	Description	Unit	Dimension
KuduMasterRpcMaster servicePingMin	RPCPing connection_Min	us	host4kudukudum id4kudukudumas
KuduMasterRpcMaster servicePingPercentile999	RPCPing connection_Percentile_99_9	us	host4kudukudum id4kudukudumas
KuduMasterRpcMaster servicePingTotalcount	RPCPing connection_TotalCount	us	host4kudukudum id4kudukudumas
KuduMasterRpcMaster serviceTsheartbeatMax	TSHeartbeatRPC request duration_Max	us	host4kudukudum id4kudukudumas
KuduMasterRpcMaster serviceTsheartbeatMean	TSHeartbeatRPC request duration_Mean	us	host4kudukudum id4kudukudumas
KuduMasterRpcMaster serviceTsheartbeatMin	TSHeartbeatRPC request duration_Min	us	host4kudukudum id4kudukudumas
KuduMasterRpcMasterservice TsheartbeatPercentile999	TSHeartbeatRPC request duration_Percentile_99_9	us	host4kudukudum id4kudukudumas
KuduMasterRpcTabletcopy serviceFetchdataMax	FetchDataRPC request duration_Max	us	host4kudukudum id4kudukudumas
KuduMasterRpcTabletcopy serviceFetchdataMean	FetchDataRPC request duration_Mean	us	host4kudukudum id4kudukudumas
KuduMasterRpcTablet copyserviceFetchdataMin	FetchDataRPC request duration_Min	us	host4kudukudum id4kudukudumas
KuduMasterRpcTabletcopy serviceFetchdataPercentile999	FetchDataRPC request duration_Percentile_99_9	us	host4kudukudum id4kudukudumas
KuduMasterRpcTabletcopy serviceFetchdataTotalcount	FetchDataRPC request duration_TotalCount	us	host4kudukudum id4kudukudumas
KuduMasterSpinlockContention TimeSpinlockcontentiontime	Spinlock_SpinlockContentionTime	us	host4kudukudum id4kudukudumas
KuduMasterTcmallocMemory Currentthreadcachebytes	TCMalloc memory_CurrentThreadCacheBytes	Bytes	host4kudukudum id4kudukudumas
KuduMasterTcmalloc MemoryHeapsize	TCMalloc memory_HeapSize	Bytes	host4kudukudum id4kudukudumas

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Metric	Description	Unit	Dimension
KuduMasterTcmallocMemory Totalthreadcachebytes	TCMalloc memory_TotalThreadCacheBytes	Bytes	host4kudukudum id4kudukudumas
KuduMasterTcmalloc PageheapFreebytes	TCMallocPageHeap memory_FreeBytes	Bytes	host4kudukudum id4kudukudumas
KuduMasterTcmallocPage heapUnmappedbytes	TCMallocPageHeap memory_UnMappedBytes	Bytes	host4kudukudum id4kudukudumas
KuduMasterThreadThreadsrunning	Number of running threads_ThreadsRunning	-	host4kudukudum id4kudukudumas

Kudu - server

Metric	Description	Unit	Dimension
KuduServerAllocated BytesAllocatedbytes	Number of allocated bytes_AllocatedBytes	Bytes	host4kudukudu id4kudukudus
KuduServerBlock CacheHitBlockcachehit	Number of block cache hits_BlockCacheHit	-	host4kudukudu id4kudukudus
KuduServerBlockCache HitBlockcachemiss	Number of block cache hits_BlockCacheMiss	-	host4kudukudu id4kudukudus
KuduServerBlockCache UsageBlockcacheusage	Block cache utilization_BlockCacheUsage	Bytes	host4kudukudu id4kudukudus
KuduServerBlockManager BlockBlockopenreading	Number of block manager blocks_BlockOpenReading	-	host4kudukudu id4kudukudus
KuduServerBlockManager BlockBlockopenwriting	Number of block manager blocks_BlockOpenWriting	-	host4kudukudu id4kudukudus
KuduServerBlockManager BlockBlockundermanagement	Number of block manager blocks_BlockUnderManagement	-	host4kudukudu id4kudukudus
KuduServerBlockManager ByteBytesundermanagement	Number of block manager bytes_BytesUnderManagement	Bytes	host4kudukudu id4kudukudus
KuduServerBlockManager ContainerContainer sundermanagement	Number of block manager containers_ContainersUnderManagement	-	host4kudukudu id4kudukudus

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Metric	Description	Unit	Dimension
KuduServerContextSwitch Involuntaryswitches	Context_InvoluntarySwitches	-	host4kudukudu id4kudukudus
KuduServerContextSwitch Voluntaryswitches	Context_VoluntarySwitches	-	host4kudukudu id4kudukudus
KuduServerCpuTimeCpustime	CPU time_CPUStime	ms	host4kudukudu id4kudukudus
KuduServerCpuTimeCpuutime	CPU time_CPUUtime	ms	host4kudukudu id4kudukudus
KuduServerDataDirDatadirsfailed	Number of data paths_DataDirsFailed	-	host4kudukudu id4kudukudus
KuduServerDataDirDatadirsfull	Number of data paths_DataDirsFull	-	host4kudukudu id4kudukudus
KuduServerFileCacheHitFilecachehit	Number of file cache hits_FileCacheHit	-	host4kudukudu id4kudukudus
KuduServerFileCacheHit Filecachemiss	Number of file cache hits_FileCacheMiss	-	host4kudukudu id4kudukudus
KuduServerGlogMessages Errormessages	Number of log messages_ErrorMessages	-	host4kudukudu id4kudukudus
KuduServerGlogMessages Warningmessages	Number of log messages_WarningMessages	-	host4kudukudu id4kudukudus
KuduServerHybridClock ErrorHybridclockerror	Hybrid clock error_HybridClockError	us	host4kudukudu id4kudukudus
KuduServerHybridClock TimestampHybridclocktimestamp	Hybrid clock timestamp_HybridClockTimestamp	us	host4kudukudu id4kudukudus
KuduServerNumRaft LeadersNumraftleaders	Number of tablet leaders_NumRaftLeaders	-	host4kudukudu id4kudukudus
KuduServerOpApply QueueLengthMax	Number of operations in the queue_Max	-	host4kudukudu id4kudukudus
KuduServerOpApply QueueLengthMean	Number of operations in the queue_Mean	-	host4kudukudu id4kudukudus

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Metric	Description	Unit	Dimension
KuduServerOpApply QueueLengthMin	Number of operations in the queue_Min	-	host4kudukudu id4kudukudus
KuduServerOpApplyQueue LengthPercentile999	Number of operations in the queue_Percentile_99_9	-	host4kudukudu id4kudukudus
KuduServerOpApplyQueue LengthTotalcount	Number of operations in the queue_TotalCount	-	host4kudukudu id4kudukudus
KuduServerOpApply QueueTimeMean	Queuing wait time_Mean	us	host4kudukudu id4kudukudus
KuduServerOpApply QueueTimeMin	Queuing wait time_Min	us	host4kudukudu id4kudukudus
KuduServerOpApply QueueTimePercentile999	Queuing wait time_Percentile_99_9	us	host4kudukudu id4kudukudus
KuduServerOpApply QueueTimeTotalcount	Queuing wait time_TotalCount	us	host4kudukudu id4kudukudus
KuduServerOpApplyRunTimeMax	Operation execution duration_Max	us	host4kudukudu id4kudukudus
KuduServerOpApplyRunTimeMean	Operation execution duration_Mean	us	host4kudukudu id4kudukudus
KuduServerOpApplyRunTimeMin	Operation execution duration_Min	us	host4kudukudu id4kudukudus
KuduServerOpApplyRun TimePercentile999	Operation execution duration_Percentile_99_9	us	host4kudukudu id4kudukudus
KuduServerOpApplyRun TimeTotalcount	Operation execution duration_TotalCount	us	host4kudukudu id4kudukudus
KuduServerRpcRequest Connectionsaccepted	Number of RPC requests_ConnectionsAccepted	-	host4kudukudu id4kudukudus
KuduServerRpcRequest Queueoverflow	Number of RPC requests_QueueOverflow	-	host4kudukudu id4kudukudus
KuduServerRpcRequest Timesoutinqueue	Number of RPC requests_TimesOutInQueue	-	host4kudukudu id4kudukudus

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Metric	Description	Unit	Dimension
KuduServerRpcTabletadmin serviceAlterschemaMax	AlterSchemaRPC request duration_Max	us	host4kudukudu id4kudukudus
KuduServerRpcTabletadmin serviceAlterschemaMean	AlterSchemaRPC request duration_Mean	us	host4kudukudu id4kudukudus
KuduServerRpcTabletadmin serviceAlterschemaMin	AlterSchemaRPC request duration_Min	us	host4kudukudu id4kudukudus
KuduServerRpcTabletadmin serviceAlterschemaPercentile999	AlterSchemaRPC request duration_Percentile_99_9	us	host4kudukudu id4kudukudus
KuduServerRpcTabletadmin serviceAlterschemaTotalcount	AlterSchemaRPC request duration_TotalCount	us	host4kudukudu id4kudukudus
KuduServerRpcTabletadmin serviceCreatetabletMax	CreateTabletRPC request duration_Max	us	host4kudukudu id4kudukudus
KuduServerRpcTabletadmin serviceCreatetabletMean	CreateTabletRPC request duration_Mean	us	host4kudukudu id4kudukudus
KuduServerRpcTabletadmin serviceCreatetabletMin	CreateTabletRPC request duration_Min	us	host4kudukudu id4kudukudus
KuduServerRpcTabletadmin serviceCreatetabletPercentile999	CreateTabletRPC request duration_Percentile_99_9	us	host4kudukudu id4kudukudus
KuduServerRpcTabletadmin serviceCreatetabletTotalcount	CreateTabletRPC request duration_TotalCount	us	host4kudukudu id4kudukudus
KuduServerRpcTabletadmin serviceDeletetabletMax	DeleteTabletRPC request duration_Max	us	host4kudukudu id4kudukudus
KuduServerRpcTabletadmin serviceDeletetabletMin	DeleteTabletRPC request duration_Min	us	host4kudukudu id4kudukudus
KuduServerRpcTabletadmin serviceDeletetabletMean	DeleteTabletRPC request duration_Mean	us	host4kudukudu id4kudukudus
KuduServerRpcTabletadmin serviceDeletetabletPercentile999	DeleteTabletRPC request duration_Percentile_99_9	us	host4kudukudu id4kudukudus
KuduServerRpcTabletadmin serviceDeletetabletTotalcount	DeleteTabletRPC request duration_TotalCount	us	host4kudukudu id4kudukudus

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Metric	Description	Unit	Dimension
KuduServerRpcTabletadmin serviceQuiesceMax	QuiesceRPC request duration_Max	us	host4kudukudu id4kudukudus
KuduServerRpcTabletadmin serviceQuiesceMean	QuiesceRPC request duration_Mean	us	host4kudukudu id4kudukudus
KuduServerRpcTabletadmin serviceQuiesceMin	QuiesceRPC request duration_Min	us	host4kudukudu id4kudukudus
KuduServerRpcTabletadmin serviceQuiescePercentile999	QuiesceRPC request duration_Percentile_99_9	us	host4kudukudu id4kudukudus
KuduServerRpcTabletadmin serviceQuiesceTotalcount	QuiesceRPC request duration_TotalCount	us	host4kudukudu id4kudukudus
KuduServerRpcTablet copyFetchdataMax	FetchDataRPC request duration_Max	us	host4kudukudu id4kudukudus
KuduServerRpcTablet copyFetchdataMean	FetchDataRPC request duration_Mean	us	host4kudukudu id4kudukudus
KuduServerRpcTablet copyFetchdataMin	FetchDataRPC request duration_Min	us	host4kudukudu id4kudukudus
KuduServerRpcTabletcopy FetchdataPercentile999	FetchDataRPC request duration_Percentile_99_9	us	host4kudukudu id4kudukudus
KuduServerRpcTabletcopy FetchdataTotalcount	FetchDataRPC request duration_TotalCount	us	host4kudukudu id4kudukudus
KuduServerRpcTabletserver ScannerkeepaliveMax	ScannerKeepAliveRPC request duration_Max	us	host4kudukudu id4kudukudus
KuduServerRpcTabletserver ScannerkeepaliveMean	ScannerKeepAliveRPC request duration_Mean	us	host4kudukudu id4kudukudus
KuduServerRpcTabletserver ScannerkeepaliveMin	ScannerKeepAliveRPC request duration_Min	us	host4kudukudu id4kudukudus
KuduServerRpcTabletserver ScannerkeepalivePercentile999	ScannerKeepAliveRPC request duration_Percentile_99_9	us	host4kudukudu id4kudukudus
KuduServerRpcTabletserver ScannerkeepaliveTotalcount	ScannerKeepAliveRPC request duration_TotalCount	us	host4kudukudu id4kudukudus

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Metric	Description	Unit	Dimension
KuduServerRpcTabletserverScanMax	ScanRPC request duration_Max	us	host4kudukudu id4kudukudus
KuduServerRpcTabletserverScanMean	ScanRPC request duration_Mean	us	host4kudukudu id4kudukudus
KuduServerRpcTabletserverScanMin	ScanRPC request duration_Min	us	host4kudukudu id4kudukudus
KuduServerRpcTabletserverScanPercentile999	ScanRPC request duration_Percentile_99_9	us	host4kudukudu id4kudukudus
KuduServerRpcTabletserverScanTotalcount	ScanRPC request duration_TotalCount	us	host4kudukudu id4kudukudus
KuduServerRpcTabletserverWriteMax	WriteRPC request duration_Max	us	host4kudukudu id4kudukudus
KuduServerRpcTabletserverWriteMean	WriteRPC request duration_Mean	us	host4kudukudu id4kudukudus
KuduServerRpcTabletserverWriteMin	WriteRPC request duration_Min	us	host4kudukudu id4kudukudus
KuduServerRpcTabletserverWritePercentile999	WriteRPC request duration_Percentile_99_9	us	host4kudukudu id4kudukudus
KuduServerRpcTabletserverWriteTotalcount	WriteRPC request duration_TotalCount	us	host4kudukudu id4kudukudus
KuduServerScannerActivescanners	Number of scanners_ActiveScanners	-	host4kudukudu id4kudukudus
KuduServerScannerExpiredscanners	Number of scanners_ExpiredScanners	-	host4kudukudu id4kudukudus
KuduServerSpinlockContentionTimeSpinlockcontentiontime	Spinlock_SpinlockContentionTime	us	host4kudukudu id4kudukudus
KuduServerTabletSessionOpemsourcesessions	Number of tablet sessions_OpenSourceSessions	-	host4kudukudu id4kudukudus
KuduServerTabletSessionOpenclientsessions	Number of tablet sessions_OpenClientSessions	-	host4kudukudu id4kudukudus

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Metric	Description	Unit	Dimension
KuduServerTablet Tabletbootstrapping	Number of tablets_TabletBootstrapping	-	host4kudukudu and id4kudukudus
KuduServer TabletTabletfailed	Number of tablets_TabletFailed	-	host4kudukudu id4kudukudus
KuduServer TabletTabletinitialized	Number of tablets_TabletInitialized	-	host4kudukudu id4kudukudus
KuduServer TabletTabletnotinitialized	Number of tablets_TabletNotInitialized	-	host4kudukudu id4kudukudus
KuduServer TabletTabletrunning	Number of tablets_TabletRunning	-	host4kudukudu id4kudukudus
KuduServer TabletTabletshutdown	Number of tablets_TabletShutdown	-	host4kudukudu id4kudukudus
KuduServer TabletTabletstopped	Number of tablets_ TabletStopped	-	host4kudukudu id4kudukudus
KuduServer TabletTabletstopping	Number of tablets_TabletStopping	-	host4kudukudu id4kudukudus
KuduServerTcmallocMemory Currentthreadcachebytes	TCMalloc memory_CurrentThreadCacheBytes	Bytes	host4kudukudu id4kudukudus
KuduServerTcmalloc MemoryHeapsize	TCMalloc memory_HeapSize	Bytes	host4kudukudu id4kudukudus
KuduServerTcmallocMemory Totalthreadcachebytes	TCMalloc memory_TotalThreadCacheBytes	Bytes	host4kudukudu id4kudukudus
KuduServerTcmalloc PageheapFreebytes	TCMallocPageHeap memory_FreeBytes	Bytes	host4kudukudu id4kudukudus
KuduServerTcmalloc PageheapUnmappedbytes	TCMallocPageHeap memory_UnMappedBytes	Bytes	host4kudukudu id4kudukudus
KuduServerThread Threadsrunning	Number of running threads_ThreadsRunning	-	host4kudukudu id4kudukudus
KuduMasterRpcMasterservice TsheartbeatTotalcount	TSHeartbeatRPC request duration_TotalCount	us	host4kudukudu id4kudukudus

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Metric	Description	Unit	Dimension
KuduServerOpApply QueueTimeMax	Queuing wait time_Max	us	host4kudukudu id4kudukudus
KuduServerFileCache UsageFilecacheusage	Number of entries in the file cache	-	host4kudukudu id4kudukudus
KuduServerOpApply Queueoverloadrejections	Number of write requests rejected due to queue overloading	-	host4kudukudu id4kudukudus
KuduServerScannerBytes RateScannedfromdiskrate	Scanner rate_ScannedFromDiskRate	Bytes/s	host4kudukudu id4kudukudus
KuduServerScannerBytesRate Scannerreturnedrate	Scanner rate_ScannerReturnedRate	Bytes/s	host4kudukudu id4kudukudus
KuduServerScannerBytes TotalScannedfromdisk	Total number of scanned bytes_ScannedFromDisk	Bytes	host4kudukudu id4kudukudus
KuduServerScannerBytes TotalScannerreturned	Total number of scanned bytes_ScannerReturned	Bytes	host4kudukudu id4kudukudus
KuduServerRowsTotal CountRowsinserted	Total number of row operations_RowsInserted	-	host4kudukudu id4kudukudus
KuduServerRowsTotal CountRowsdeleted	Total number of row operations_RowsDeleted	-	host4kudukudu id4kudukudus
KuduServerRowsTotal CountRowsupserted	Total number of row operations_RowsUpserted	-	host4kudukudu id4kudukudus
KuduServerRowsTotal CountRowsupdated	Total number of row operations_RowsUpdated	-	host4kudukudu id4kudukudus
KuduServerRowsTotal RateRowsinsertedrate	Row operation rate_RowsInsertedRate	Count/s	host4kudukudu id4kudukudus
KuduServerRowsTotal RateRowsdeletedrate	Row operation rate_RowsDeletedRate	Count/s	host4kudukudu id4kudukudus
KuduServerRowsTotal RateRowsupsertedrate	Row operation rate_RowsUpsertedRate	Count/s	host4kudukudu id4kudukudus
KuduServerRowsTotal RateRowsupdatedrate	Row operation rate_RowsUpdatedRate	Count/s	host4kudukudu id4kudukudus

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Dimensions and Parameters

Parameter	Dimension	Description	Format
Instances.N.Dimensions.0.Name	host4kudukudumaster	Dimension name of the EMR instance node IP	Enter a string-type dimension name, such as `host4kudukudumaster`
Instances.N.Dimensions.0.Value	host4kudukudumaster	Specific node IP in the EMR instance	Enter a specific node IP, which can be obtained by clicking **Instance > Cluster Resource > Resource Management > Node Private IP in the EMR console** or calling the DescribeClusterNodes API.
Instances.N.Dimensions.1.Name	id4kudukudumaster	Dimension name of the EMR instance ID	Enter a string-type dimension name, such as `id4kudukudumaster`
Instances.N.Dimensions.1.Value	id4kudukudumaster	Dimension name of the EMR instance ID	Enter an EMR instance ID, such as `emr-mm8bs222`
Instances.N.Dimensions.0.Name	host4kudukuduserver	Dimension name of the EMR instance ID	Enter a string-type dimension name, such as `host4kudukuduserver`
Instances.N.Dimensions.0.Value	host4kudukuduserver	Specific node IP in the EMR instance	Enter a specific node IP, which can be obtained by clicking **Instance > Cluster Resource > Resource Management > Node Private IP in the EMR console** or calling the DescribeClusterNodes API.
Instances.N.Dimensions.1.Name	id4kudukuduserver	Dimension name of the EMR instance ID	Enter a string-type dimension name, such as `id4kudukuduserver`

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Parameter	Dimension	Description	Format
Instances.N.Dimensions.1.Value	id4kudukuduserver	Dimension name of the EMR instance ID	Enter an EMR instance ID, such as `emr-mm8bs222`

Input Parameters

To query the monitoring data of an EMR instance (Kudu - master), use the following input parameters:

Namespace=QCE/TXMR_KUDU
&Instances.N.Dimensions.0.Name=host4kudukudumaster
&Instances.N.Dimensions.0.Value=Specific node IP in the EMR instance
&Instances.N.Dimensions.1.Name=id4kudukudumaster
&Instances.N.Dimensions.1.Value=EMR instance ID

To query the monitoring data of an EMR instance (Kudu - server), use the following input parameters:

Namespace=QCE/TXMR_KUDU
&Instances.N.Dimensions.0.Name=host4kudukuduserver
&Instances.N.Dimensions.0.Value=Specific node IP in the EMR instance
&Instances.N.Dimensions.1.Name=id4kudukuduserver
&Instances.N.Dimensions.1.Value=EMR instance ID

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EMR (Impala)

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Namespace

Namespace=QCE/TXMR_IMPALA

Monitoring Metrics

Impala - catalog

Metric	Description	Unit	Dimension
ImpalaCatalogHeartbeatIntervalTimeLast	Heartbeat interval_Last	s	host4impalacatalog, id4impalacatalog
ImpalaCatalogHeartbeatIntervalTimeMax	Heartbeat interval_Max	s	host4impalacatalog, id4impalacatalog
ImpalaCatalogHeartbeatIntervalTimeMean	Heartbeat interval_Mean	s	host4impalacatalog, id4impalacatalog
ImpalaCatalogHeartbeatIntervalTimeMin	Heartbeat interval_Min	s	host4impalacatalog, id4impalacatalog
ImpalaCatalogHeartbeatIntervalTimeStddev	Heartbeat interval_Stddev	s	host4impalacatalog, id4impalacatalog
ImpalaCatalogJvmMemMemheapcommittedm	JVM memory_MemHeapCommittedM	MB	host4impalacatalog, id4impalacatalog
ImpalaCatalogJvmMemMemheapinitm	JVM memory_MemHeapInitM	MB	host4impalacatalog, id4impalacatalog
ImpalaCatalogJvmMemMemheapmaxm	JVM memory_MemHeapMaxM	MB	host4impalacatalog, id4impalacatalog
ImpalaCatalogJvmMemMemheapusedm	JVM memory_MemHeapUsedM	MB	host4impalacatalog, id4impalacatalog
ImpalaCatalogJvmMemMemnonheapcommittedm	JVM memory_MemNonHeapCommittedM	MB	host4impalacatalog, id4impalacatalog

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Metric	Description	Unit	Dimension
ImpalaCatalogJvmMem Memnonheapinitm	JVM memory_MemNonHeapInitM	MB	host4impalacatalog, id4impalacatalog
ImpalaCatalogJvmMem Memnonheapusedm	JVM memory_MemNonHeapUsedM	MB	host4impalacatalog, id4impalacatalog
ImpalaCatalogOsFdCount Maxfiledescriptorcount	Number of file descriptors_MaxFileDescriptorCount	-	host4impalacatalog, id4impalacatalog
ImpalaCatalogOsFdCount Openfiledescriptorcount	Number of file descriptors_OpenFileDescriptorCount	-	host4impalacatalog, id4impalacatalog
ImpalaCatalogRss	Resident set size_RSS	Bytes	host4impalacatalog, id4impalacatalog
ImpalaCatalogRtUptimeUptime	Process execution duration_Uptime	s	host4impalacatalog, id4impalacatalog
ImpalaCatalogTcmalloc Pageheapfreebytes	TCMalloc memory_PageheapFreeBytes	Bytes	host4impalacatalog, id4impalacatalog
ImpalaCatalogTcmalloc Pageheapunmappedbytes	TCMalloc memory_PageheapUnmappedBytes	Bytes	host4impalacatalog, id4impalacatalog
ImpalaCatalogTcmalloc Physicalbytesreserved	TCMalloc memory_PhysicalBytesReserved	Bytes	host4impalacatalog, id4impalacatalog
ImpalaCatalogTcmalloc Totalbytesreserved	TCMalloc memory_TotalBytesReserved	Bytes	host4impalacatalog, id4impalacatalog
ImpalaCatalogTcmallocUsed	TCMalloc memory_Used	Bytes	host4impalacatalog, id4impalacatalog
ImpalaCatalogThreadCount Daemonthreadcount	Number of threads_DaemonThreadCount	-	host4impalacatalog, id4impalacatalog
ImpalaCatalogThread CountThreadcount	Number of threads_ThreadCount	-	host4impalacatalog, id4impalacatalog
ImpalaCatalogThriftServer ConnectionsUsed	Number of connections_Used	-	host4impalacatalog, id4impalacatalog

Impala - StateStore

Metric	Description	Unit	Dimension

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Metric	Description	Unit	Dimension
ImpalaStatestoreRss	Resident set size_RSS	Bytes	host4impalastatestore, id4impalastatestore
ImpalaStatestoreStatestore LiveBackendsCount	Number of StateStore subscribers_Count	-	host4impalastatestore, id4impalastatestore
ImpalaStatestoreTcmalloc Pageheapfreebytes	TCMalloc memory_PageheapFreeBytes	Bytes	host4impalastatestore, id4impalastatestore
ImpalaStatestoreTcmalloc Pageheapunmappedbytes	TCMalloc memory_PageheapUnmappedBytes	Bytes	host4impalastatestore, id4impalastatestore
ImpalaStatestoreTcmalloc Physicalbytesreserved	TCMalloc memory_PhysicalBytesReserved	Bytes	host4impalastatestore, id4impalastatestore
ImpalaStatestoreTcmalloc Totalbytesreserved	TCMalloc memory_TotalBytesReserved	Bytes	host4impalastatestore, id4impalastatestore
ImpalaStatestoreTcmallocUsed	TCMalloc memory_Used	Bytes	host4impalastatestore, id4impalastatestore
ImpalaStatestoreThriftServer ConnectionsUsed	Number of connections_Used	-	host4impalastatestore, id4impalastatestore
ImpalaStatestoreRunning ThreadsCount	Number of running threads_Count	-	host4impalastatestore, id4impalastatestore

Impala - Daemon

Metric	Description	Unit	Dimension
ImpalaDaemonJvmMem Memheapcommittedm	JVM memory_MemHeapCommittedM	MB	host4impala id4impalada
ImpalaDaemonJvmMem Memheapinitm	JVM memory_MemHeapInitM	MB	host4impala id4impalada
ImpalaDaemonJvmMem Memheapmaxm	JVM memory_MemHeapMaxM	MB	host4impala id4impalada
ImpalaDaemonJvmMem Memheapusedm	JVM memory_MemHeapUsedM	MB	host4impala id4impalada
ImpalaDaemonJvmMem Memnonheapcommittedm	JVM memory_MemNonHeapCommittedM	MB	host4impala id4impalada

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Metric	Description	Unit	Dimension
ImpalaDaemonJvmMem Memnonheapusedm	JVM memory_MemNonHeapUsedM	MB	host4impala id4impalada
ImpalaDaemonJvmMem Memnonheapinitm	JVM memory_MemNonHeapInitM	MB	host4impala id4impalada
ImpalaDaemonOsFdCount Maxfiledescriptorcount	Number of file descriptors_MaxFileDescriptorCount	-	host4impala id4impalada
ImpalaDaemonRtUptimeUptime	Process execution duration_Uptime	s	host4impala id4impalada
ImpalaDaemonTcmalloc Pageheapfreebytes	TCMalloc memory_PageheapFreeBytes	Bytes	host4impala id4impalada
ImpalaDaemonTcmalloc Pageheapunmappedbytes	TCMalloc memory_PageheapUnmappedBytes	Bytes	host4impala id4impalada
ImpalaDaemonTcmalloc Physicalbytesreserved	TCMalloc memory_PhysicalBytesReserved	Bytes	host4impala id4impalada
ImpalaDaemonTcmalloc Totalbytesreserved	TCMalloc memory_TotalBytesReserved	Bytes	host4impala id4impalada
ImpalaDaemonTcmallocUsed	TCMalloc memory_Used	Bytes	host4impala id4impalada
ImpalaDaemonThreadCount Daemonthreadcount	Number of threads_DaemonThreadCount	-	host4impala id4impalada
ImpalaDaemonOsFdCount Openfiledescriptorcount	Number of file descriptors_OpenFileDescriptorCount	-	host4impala id4impalada
ImpalaDaemonThread CountThreadcount	Number of threads_ThreadCount	-	host4impala id4impalada
ImpalaDaemonBeeswax FrontendConnInUse	Number of Beeswax API client connections	-	host4impala id4impalada
ImpalaDaemonH2 FrontendConnInUse	Number of HS2 API client connections_ConnInUse	-	host4impala id4impalada
ImpalaDaemonBeeswax FrontendTotalconns	Number of Beeswax API client connections_TotalConns	-	host4impala id4impalada

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Metric	Description	Unit	Dimension
ImpalaDaemonBeeswaxFrontend Connsetupqueuesize	Number of Beeswax API client connections_ConnSetupQueueSize	-	host4impala id4impalada
ImpalaDaemonH2 FrontendTotalconns	Number of HS2 API client connections_TotalConns	-	host4impala id4impalada
ImpalaDaemonH2Frontend Connsetupqueuesize	Number of HS2 API client connections_ConnSetupQueueSize	-	host4impala id4impalada
ImpalaDaemonThreadManager Runningthreads	Thread manager_RunningThreads	-	host4impala id4impalada
ImpalaDaemonThreadManager Totalcreatedthreads	Thread manager_TotalCreatedThreads	-	host4impala id4impalada
ImpalaDaemonMem TrackerProcess1Limit	Memory manager limit_Limit	Bytes	host4impala id4impalada
ImpalaDaemonMemTracker ProcessBytesOverlimit	Amount of memory exceeding the memory limit_OverLimit	Bytes	host4impala id4impalada
ImpalaDaemonBeeswaxFronted Timeoutcnncrequests	Number of timed-out Beeswax API connections_TimeOutCnncRequests	-	host4impala id4impalada
ImpalaDaemonServerBackend Connsetupqueuesize	Number of Impala backend server connection requests that timed out waiting for setup_ConnSetupQueueSize	-	host4impala id4impalada
ImpalaDaemonServerBackend1 Timeoutcnncrequests	Number of Impala_be connection requests that timed out waiting for setup_TimeOutCnncRequests	-	host4impala id4impalada
ImpalaDaemonServer Backend2Totalconnections	Total number of Impala backend client connections to this Impala daemon_TotalConnections	-	host4impala id4impalada
ImpalaDaemonRequest PoolServiceResolveTotal	Time spent parsing requests from request pool (milliseconds)_Total	ms	host4impala id4impalada
ImpalaDaemonMemoryRss	Resident set size for this process_RSS	Bytes	host4impala id4impalada
ImpalaDaemonCluster MembershipBackendsTotal	Total number of backends registered in the StateStore_Total	-	host4impala id4impalada

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Metric	Description	Unit	Dimension
ImpalaDaemonServerQuery DurationsMsCount	Query delay release_Count	ms	host4impala id4impalada
ImpalaDaemonServer QueryDurationsMsSum	Query delay release_Sum	ms	host4impala id4impalada
ImpalaDaemonServer1 Numfilesopenforinsert	Number of opened and written HDFS files_NumFilesOpenForInsert	-	host4impala id4impalada
ImpalaDaemonServer2 Scanrangestotal	Scan range read during the lifecycle of the process_ScanRangesTotal	-	host4impala id4impalada
ImpalaDaemonServer3 Numopenbeeswaxsessions	Number of opened Beeswax sessions_NumOpenBeeswaxSessions	-	host4impala id4impalada
ImpalaDaemonServer4 Numfragments	Total number of query fragments processed during the lifecycle of the process_NumFragments	-	host4impala id4impalada
ImpalaDaemonServer14 Hedgedreadops	Number of hedged read attempts_HedgedReadOps	-	host4impala id4impalada
ImpalaDaemonServer5 Numqueries	Total number of queries processed during the lifecycle of the process_NumQueries	-	host4impala id4impalada
ImpalaDaemonServer6 Resultsetcachetotalnumrows	Total number of rows supporting caching HS2 FETCH_FIRST_ResultSetCacheTotalNumRows	-	host4impala id4impalada
ImpalaDaemonServer8 Numqueriesregistered	Total number of queries registered on this Impala server_NumQueriesRegistered	-	host4impala id4impalada
ImpalaDaemonServer9 Numqueriesexecuted	Total number of queries executed on the backend_NumQueriesExecuted	-	host4impala id4impalada
ImpalaDaemonServer10 Numsessionsexpired	Number of sessions terminated due to inactivity_NumSessionsExpired	-	host4impala id4impalada
ImpalaDaemonServer11 Numqueriesexpired	Number of queries terminated due to inactivity_NumQueriesExpired	-	host4impala id4impalada
ImpalaDaemonServer12 Numopenhs2sessions	Number of opened HS2 sessions_NumOpenHS2Sessions	-	host4impala id4impalada
ImpalaDaemonCatalog1Numtables	Number of tables in the catalog_NumTables	-	host4impala id4impalada

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Metric	Description	Unit	Dimension
ImpalaDaemonCatalog2 Numdatabases	Number of databases in the catalog_NumDatabases	-	host4impala id4impalada
ImpalaDaemonServerIo Mgr2Byteswritten	Number of bytes written to the disk by the I/O manager_BytesWritten	Bytes	host4impala id4impalada
ImpalaDaemonServerIo Mgr3Numopenfiles	Number of files opened by the I/O manager_NumOpenFiles	-	host4impala id4impalada
ImpalaDaemonServerIo Mgr5Localbytesread	Number of read local bytes_LocalBytesRead	Bytes	host4impala id4impalada
ImpalaDaemonBeeswax FrSvcThWaitTimeP20	Beeswax API client wait time for service thread establishment_P20	us	host4impala id4impalada
ImpalaDaemonBeeswax FrSvcThWaitTimeP50	Beeswax API client wait time for service thread establishment_P50	us	host4impala id4impalada
ImpalaDaemonBeeswax FrSvcThWaitTimeP70	Beeswax API client wait time for service thread establishment_P70	us	host4impala id4impalada
ImpalaDaemonBeeswax FrSvcThWaitTimeP90	Beeswax API client wait time for service thread establishment_P90	us	host4impala id4impalada
ImpalaDaemonBeeswax FrSvcThWaitTimeP95	Beeswax API client wait time for service thread establishment_P95	us	host4impala id4impalada
ImpalaDaemon ExDsClassChMisses	Number of cache misses in external data source cache class_Misses	-	host4impala id4impalada
ImpalaDaemonH2 FrConnSetupTimeP20	HS2 API client wait time for connection establishment_P20	us	host4impala id4impalada
ImpalaDaemonH2 FrConnSetupTimeP50	HS2 API client wait time for connection establishment_P50	us	host4impala id4impalada
ImpalaDaemonH2 FrConnSetupTimeP70	HS2 API client wait time for connection establishment_P70	us	host4impala id4impalada
ImpalaDaemonH2 FrConnSetupTimeP90	HS2 API client wait time for connection establishment_P90	us	host4impala id4impalada
ImpalaDaemonH2 FrConnSetupTimeP95	HS2 API client wait time for connection establishment_P95	us	host4impala id4impalada

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Metric	Description	Unit	Dimension
ImpalaDaemonH2FrSvcThWaitTimeCount	HS2 API client wait time for service thread establishment_Count	us	host4impala id4impalada
ImpalaDaemonH2FrSvcThWaitTimeP20	HS2 API client wait time for service thread establishment_P20	us	host4impala id4impalada
ImpalaDaemonH2FrSvcThWaitTimeP50	HS2 API client wait time for service thread establishment_P50	us	host4impala id4impalada
ImpalaDaemonH2FrSvcThWaitTimeP70	HS2 API client wait time for service thread establishment_P70	us	host4impala id4impalada
ImpalaDaemon H2FrSvcThWaitTimeP90	HS2 API client wait time for service thread establishment_P90	us	host4impala id4impalada
ImpalaDaemon H2FrSvcThWaitTimeP95	HS2 API client wait time for service thread establishment_P95	us	host4impala id4impalada
ImpalaDaemon H2FrSvcThWaitTimeSum	HS2 API client wait time for service thread establishment_Sum	us	host4impala id4impalada
ImpalaDaemonMem TrCsrvCurrentusagebytes	Number of bytes used by ControlService_CurrentUsageBytes	Bytes	host4impala id4impalada
ImpalaDaemonMem TrCsrvPeakusagebytes	Number of bytes used by ControlService_PeakUsageBytes	Bytes	host4impala id4impalada
ImpalaDaemonMem TrDssrvCurrentusagebytes	Number of bytes used by DataStreamService_currentusagebytes	Bytes	host4impala id4impalada
ImpalaDaemonMem TrDssrvPeakusagebytes	Number of bytes used by DataStreamService_PeakUsageBytes	Bytes	host4impala id4impalada
ImpalaDaemonRpc CsrvRpcsqueueoverflow	Number of rejected ControlStreamService service queue overflows_RpcsQueueOverflow	-	host4impala id4impalada
ImpalaDaemonRpc DssrvRpcsqueueoverflow	Number of rejected DataStreamService service queue overflows_RpcsQueueOverflow	-	host4impala id4impalada
ImpalaDaemonServer BaConnSetupTimeCount	Time spent by the Impala_be client waiting for connection establishment_Count	us	host4impala id4impalada
ImpalaDaemonServer BaConnSetupTimeP20	Time spent by the Impala_be client waiting for connection establishment_P20	us	host4impala id4impalada

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Metric	Description	Unit	Dimension
ImpalaDaemonServer BaConnSetupTimeP50	Time spent by the Impala_be client waiting for connection establishment_P50	us	host4impala id4impalada
ImpalaDaemonServer BaConnSetupTimeP70	Time spent by the Impala_be client waiting for connection establishment_P70	us	host4impala id4impalada
ImpalaDaemonServer BaConnSetupTimeP90	Time spent by the Impala_be client waiting for connection establishment_P90	us	host4impala id4impalada
ImpalaDaemonServer BaConnSetupTimeP95	Time spent by the Impala_be client waiting for connection establishment_P95	us	host4impala id4impalada
ImpalaDaemonServer BaConnSetupTimeSum	Time spent by the Impala_be client waiting for connection establishment_Sum	us	host4impala id4impalada
ImpalaDaemonServer BaSvcThWaitTimeCount	Time spent by the Impala_be client waiting for the service thread_Count	us	host4impala id4impalada
ImpalaDaemonServer BaSvcThWaitTimeP20	Time spent by the Impala_be client waiting for the service thread_P20	us	host4impala id4impalada
ImpalaDaemonServer BaSvcThWaitTimeP50	Time spent by the Impala_be client waiting for the service thread_P50	us	host4impala id4impalada
ImpalaDaemonServer BaSvcThWaitTimeP70	Time spent by the Impala_be client waiting for the service thread_P70	us	host4impala id4impalada
ImpalaDaemonServer BaSvcThWaitTimeP90	Time spent by the Impala_be client waiting for the service thread_P90	us	host4impala id4impalada
ImpalaDaemonServer BaSvcThWaitTimeP95	Time spent by the Impala_be client waiting for the service thread_P95	us	host4impala id4impalada
ImpalaDaemonServer BaSvcThWaitTimeSum	Time spent by the Impala_be client waiting for the service thread_sum	us	host4impala id4impalada
ImpalaDaemonServer QueryDurationsMsP20	Query delay release_P20	ms	host4impala id4impalada
ImpalaDaemonServer QueryDurationsMsP50	Query delay release_P50	ms	host4impala id4impalada
ImpalaDaemonServer QueryDurationsMsP70	Query delay release_P70	ms	host4impala id4impalada

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Metric	Description	Unit	Dimension
ImpalaDaemonServer QueryDurationsMsP90	Query delay release_P90	ms	host4impala id4impalada
ImpalaDaemonServer QueryDurationsMsP95	Query delay release_P95	ms	host4impala id4impalada
ImpalaDaemonSrvIoMgr Numfilehandlesoutstanding	Number of used HDFS file handles_NumFileHandlesOutstanding	-	host4impala id4impalada
ImpalaDaemonSrvScanran gesnummissingvolumid	Total number of scan ranges read during the lifecycle of the process without volum metadata_ScanRangesNumMissingVolumId	-	host4impala id4impalada
ImpalaDaemonH2 HttpFrSvcThWaitTimeCount	HS2 HTTP API client wait time for service thread establishment_Count	us	host4impala id4impalada
ImpalaDaemonH2 HttpFrSvcThWaitTimeP20	HS2 HTTP API client wait time for service thread establishment_P20	us	host4impala id4impalada
ImpalaDaemonH2 HttpFrSvcThWaitTimeP50	HS2 HTTP API client wait time for service thread establishment_P50	us	host4impala id4impalada
ImpalaDaemonH2 HttpFrSvcThWaitTimeP70	HS2 HTTP API client wait time for service thread establishment_P70	us	host4impala id4impalada
ImpalaDaemonH2 HttpFrSvcThWaitTimeP90	HS2 HTTP API client wait time for service thread establishment_P90	us	host4impala id4impalada
ImpalaDaemonH2 HttpFrSvcThWaitTimeP95	HS2 HTTP API client wait time for service thread establishment_P95	us	host4impala id4impalada
ImpalaDaemonH2 HttpFrSvcThWaitTimeSum	HS2 HTTP API client wait time for service thread establishment_Sum	us	host4impala id4impalada

Dimensions and Parameters

Parameter	Dimension	Description	Format

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Parameter	Dimension	Description	Format
Instances.N.Dimensions.0.Name	host4impalacatalog	Dimension name of the EMR instance node IP	Enter a string-type dimension name, such as `host4impalacatalog`
Instances.N.Dimensions.0.Value	host4impalacatalog	Specific node IP in the EMR instance	Enter a specific node IP, which can be obtained by clicking **Instance > Cluster Resource > Resource Management > Node Private IP in the EMR console** or calling the DescribeClusterNodes API.
Instances.N.Dimensions.1.Name	id4impalacatalog	Dimension name of the EMR instance ID	Enter a string-type dimension name, such as `id4impalacatalog`
Instances.N.Dimensions.1.Value	id4impalacatalog	Dimension name of the EMR instance ID	Enter an EMR instance ID, such as `emr-mm8bs222`
Instances.N.Dimensions.0.Name	host4impalastatestore	Dimension name of the EMR instance ID	Enter a string-type dimension name, such as `host4impalastatestore`
Instances.N.Dimensions.0.Value	host4impalastatestore	Specific node IP in the EMR instance	Enter a specific node IP, which can be obtained by clicking **Instance > Cluster Resource > Resource Management > Node Private IP in the EMR console** or calling the DescribeClusterNodes API.
Instances.N.Dimensions.1.Name	id4impalastatestore	Dimension name of the EMR instance ID	Enter a string-type dimension name, such as `id4impalastatestore`

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Parameter	Dimension	Description	Format
Instances.N.Dimensions.1.Value	id4impalastatestore	Dimension name of the EMR instance ID	Enter an EMR instance ID, such as `emr-mm8bs222`
Instances.N.Dimensions.0.Name	host4impaladaemon	Dimension name of the EMR instance ID	Enter a string-type dimension name, such as `host4impaladaemon`
Instances.N.Dimensions.0.Value	host4impaladaemon	Specific node IP in the EMR instance	Enter a specific node IP, which can be obtained by clicking **Instance > Cluster Resource > Resource Management > Node Private IP in the EMR console** or calling the DescribeClusterNodes API.
Instances.N.Dimensions.1.Name	id4impaladaemon	Dimension name of the EMR instance ID	Enter a string-type dimension name, such as `id4impaladaemon`
Instances.N.Dimensions.1.Value	id4impaladaemon	Dimension name of the EMR instance ID	Enter an EMR instance ID, such as `emr-mm8bs222`

Input Parameters

To query the monitoring data of an EMR instance (Impala - catalog), use the following input parameters:

Namespace=QCE/TXMR_IMPALA

&Instances.N.Dimensions.0.Name=host4impalacatalog

&Instances.N.Dimensions.0.Value=Specific node IP in the EMR instance

&Instances.N.Dimensions.1.Name=id4impalacatalog

&Instances.N.Dimensions.1.Value=EMR instance ID

To query the monitoring data of an EMR instance (Impala - StateStore), use the following input parameters:

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Namespace=QCE/TXMR_IMPALA

&Instances.N.Dimensions.0.Name=host4impalastatestore

&Instances.N.Dimensions.0.Value=Specific node IP in the EMR instance

&Instances.N.Dimensions.1.Name=id4impalastatestore

&Instances.N.Dimensions.1.Value=EMR instance ID

To query the monitoring data of an EMR instance (Impala - daemon), use the following input parameters:

Namespace=QCE/TXMR_IMPALA

&Instances.N.Dimensions.0.Name=host4impaladaemon

&Instances.N.Dimensions.0.Value=Specific node IP in the EMR instance

&Instances.N.Dimensions.1.Name=id4impaladaemon

&Instances.N.Dimensions.1.Value=EMR instance ID

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CDN
Province

Last updated：2021-02-03 17:42:00

Namespace

Namespace=QCE/CDN_LOG_DATA

Monitoring Metrics

Parameter	Metric	Unit	Dimension
Bandwidth	Bandwidth	Mbps	domain, isp, projectid, province
Traffic	Traffic	MB	domain, isp, projectid, province
HitTraffic	Cache-hitting traffic	MB	domain, isp, projectid, province
RequestTotal	Total number of requests	-	domain, isp, projectid, province
HttpStatus2xx	2xx status code	-	domain, isp, projectid, province
HttpStatus3xx	3xx status code	-	domain, isp, projectid, province
HttpStatus4xx	4xx status code	-	domain, isp, projectid, province
HttpStatus5xx	5xx status code	-	domain, isp, projectid, province

Note：

The statistical granularity (`period`) may vary by metric. The DescribeBaseMetrics API can be used to get the `period` values supported by each metric.

Overview of Parameters in Each Dimension

Parameter	Dimension	Dimension Description	Format

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Instances.N.Dimensions.0.Name	province	Province dimension name	Enter a String-type dimension name: province
Instances.N.Dimensions.0.Value	province	Province	Enter a province, such as `Guangdong`
Instances.N.Dimensions.1.Name	isp	ISP dimension name	Enter a String-type dimension name: isp
Instances.N.Dimensions.1.Value	isp	Specific ISP name	Enter a specific ISP name
Instances.N.Dimensions.2.Name	projectId	Project dimension name	Enter a String-type dimension name: projectId
Instances.N.Dimensions.2.Value	projectId	Specific project ID	Enter a specific project ID, such as `1`
Instances.N.Dimensions.3.Name	domain	Overseas domain dimension name	Enter a String-type dimension name: domain
Instances.N.Dimensions.3.Value	domain	Specific domain	Enter a specific domain

Input Parameter Description

To query the monitoring data of a CDN instance, set the following input parameters:

&Namespace=QCE/CDN_LOG_DATA

&Instances.N.Dimensions.0.Name=province

&Instances.N.Dimensions.0.Value=province name

&Instances.N.Dimensions.1.Name=isp

&Instances.N.Dimensions.1.Value=specific ISP name

&Instances.N.Dimensions.2.Name=projectId

&Instances.N.Dimensions.2.Value=project ID

&Instances.N.Dimensions.3.Name=domain

&Instances.N.Dimensions.3.Value=domain name

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Chinese Mainland Domain

Last updated：2021-02-03 15:10:01

Namespace

Namespace=QCE/CDN

Monitoring Metrics

Access

Parameter	Metric	Unit	Dimension
Bandwidth	Bandwidth	Mbps	projectId, domain
Flux	Traffic	GB	projectId, domain
FluxHitRate	Traffic hit rate	%	projectId, domain

Access requests

Parameter	Metric	Unit	Dimension
Requests	Number of requests	-	projectId, domain
RequestsHitRate	Request hit rate	%	projectId, domain

Origin-pull usage

Parameter	Metric	Unit	Dimension
BackOriginBandwidth	Origin-pull bandwidth	Mbps	projectId, domain
BackOriginFailRate	Origin-pull failure rate	%	projectId, domain
BackOriginSpeed	Origin-pull rate	KB/s	projectId, domain
BackOriginFlux	Origin-pull traffic	GB	projectId, domain

Origin-pull requests

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Parameter	Metric	Unit	Dimension
BackOriginRequests	Origin-pull requests	-	projectId, domain

Access status codes

Parameter	Metric	Unit	Dimension
HttpStatus0	Status code (0)	-	projectId, domain
HttpStatus0Rate	Proportion of 0 status code	%	projectId, domain
HttpStatus200	Status code (200)	-	projectId, domain
HttpStatus206	Status code (206)	-	projectId, domain
HttpStatus2xx	Status code (2xx)	-	projectId, domain
HttpStatus302	Status code (302)	-	projectId, domain
HttpStatus304	Status code (304)	-	projectId, domain
HttpStatus3xx	Status code (3xx)	-	projectId, domain
HttpStatus401	Status code (401)	-	projectId, domain
HttpStatus403	Status code (403)	-	projectId, domain
HttpStatus403Rate	Proportion of 403 status code	%	projectId, domain
HttpStatus404	Status code (404)	-	projectId, domain
HttpStatus404Rate	Proportion of 404 status code	%	projectId, domain
HttpStatus405	Status code (405)	-	projectId, domain
HttpStatus416	Status code (416)	-	projectId, domain
HttpStatus4xx	Status code (4xx)	-	projectId, domain
HttpStatus4xxRate	Proportion of 4xx status code	%	projectId, domain
HttpStatus500	Status code (500)	-	projectId, domain
HttpStatus502	Status code (502)	-	projectId, domain
HttpStatus5xx	Status code (5xx)	-	projectId, domain
HttpStatus5xxRate	Proportion of 5xx status code	%	projectId, domain

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HttpStatusErrorRate	Proportion of error status codes (4xx + 5xx)	%	projectId, domain
BackOriginHttp200	Origin-pull status code 200	-	projectId, domain
BackOriginHttp206	Origin-pull status code 206	-	projectId, domain
BackOriginHttp2xx	Origin-pull status code 2xx	-	projectId, domain
BackOriginHttp302	Origin-pull status code 302	-	projectId, domain
BackOriginHttp304	Origin-pull status code 304	-	projectId, domain
BackOriginHttp3xx	Origin-pull status code 3xx	-	projectId, domain
BackOriginHttp401	Origin-pull status code 401	-	projectId, domain
BackOriginHttp403	Origin-pull status code 403	-	projectId, domain
BackOriginHttp404	Origin-pull status code 404	-	projectId, domain
BackOriginHttp4xx	Origin-pull status code 4xx	-	projectId, domain
BackOriginHttp500	Origin-pull status code 500	-	projectId, domain
BackOriginHttp502	Origin-pull status code 502	-	projectId, domain
BackOriginHttp5xx	Origin-pull status code 5xx	-	projectId, domain

Note：

The statistical granularity (`period`) may vary by metric. The DescribeBaseMetrics API can be used to get the `period` values supported by each metric.

Overview of Parameters in Each Dimension

Parameter	Dimension	Dimension Description	Format
Instances.N.Dimensions.0.Name	projectId	Project dimension name	Enter a String-type dimension name: projectId
Instances.N.Dimensions.0.Value	projectId	Specific project ID	Enter a specific project ID, such as `1`
Instances.N.Dimensions.0.Name	domain	Domain dimension	Enter a String-type dimension name:

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		name	domain
Instances.N.Dimensions.0.Value	domain	Specific domain	Enter a specific domain

Input Parameter Description

To query the monitoring data of a CDN instance, set the following input parameters:

&Namespace=QCE/CDN

&Instances.N.Dimensions.0.Name=projectId

&Instances.N.Dimensions.0.Value=project ID

&Instances.N.Dimensions.1.Name=domain

&Instances.N.Dimensions.1.Value=domain

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Overseas Domain

Last updated：2022-10-10 10:01:42

Namespace

Namespace=QCE/OV_CDN

Monitoring Metrics

Access

Parameter	Metric	Unit	Dimension
Bandwidth	Bandwidth	Mbps	projectId, domain
Flux	Traffic	GB	projectId, domain
CdnFluxHitRate	Traffic hit rate	%	projectId, domain

Access requests

Parameter	Metric	Unit	Dimension
Requests	Number of requests	-	projectId, domain
RequestsHitRate	Request hit rate	%	projectId, domain

Origin-pull usage

Parameter	Metric	Unit	Dimension
BackOriginBandwidth	Origin-pull bandwidth	Mbps	projectId, domain
BackOriginFailRate	Origin-pull failure rate	%	projectId, domain
BackOriginSpeed	Origin-pull rate	KB/s	projectId, domain
BackOriginFlux	Origin-pull traffic	GB	projectId, domain

Access status codes

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Parameter	Metric	Unit	Dimension
HttpStatus0	Status code (0)	-	projectId, domain
HttpStatus0Rate	Proportion of 0 status code	%	projectId, domain
HttpStatus200	Status code (200)	-	projectId, domain
HttpStatus206	Status code (206)	-	projectId, domain
HttpStatus2xx	Status code (2xx)	-	projectId, domain
HttpStatus302	Status code (302)	-	projectId, domain
HttpStatus304	Status code (304)	-	projectId, domain
HttpStatus3xx	Status code (3xx)	-	projectId, domain
HttpStatus401	Status code (401)	-	projectId, domain
HttpStatus403	Status code (403)	-	projectId, domain
HttpStatus403Rate	Proportion of 403 status code	%	projectId, domain
HttpStatus404	Status code (404)	-	projectId, domain
HttpStatus404Rate	Proportion of 404 status code	%	projectId, domain
HttpStatus405	Status code (405)	-	projectId, domain
HttpStatus416	Status code (416)	-	projectId, domain
HttpStatus4xx	Status code (4xx)	-	projectId, domain
HttpStatus4xxRate	Proportion of 4xx status code	%	projectId, domain
HttpStatus500	Status code (500)	-	projectId, domain
HttpStatus502	Status code (502)	-	projectId, domain
HttpStatus5xx	Status code (5xx)	-	projectId, domain
HttpStatus5xxRate	Proportion of 5xx status code	%	projectId, domain
HttpStatusErrorRate	Proportion of error status codes (4xx + 5xx)	%	projectId, domain
BackOriginHttp200	Origin-pull status code 200	-	projectId, domain
BackOriginHttp206	Origin-pull status code 206	-	projectId, domain

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Parameter	Metric	Unit	Dimension
BackOriginHttp2xx	Origin-pull status code 2xx	-	projectId, domain
BackOriginHttp302	Origin-pull status code 302	-	projectId, domain
BackOriginHttp304	Origin-pull status code 304	-	projectId, domain
BackOriginHttp3xx	Origin-pull status code 3xx	-	projectId, domain
BackOriginHttp401	Origin-pull status code 401	-	projectId, domain
BackOriginHttp403	Origin-pull status code 403	-	projectId, domain
BackOriginHttp404	Origin-pull status code 404	-	projectId, domain
BackOriginHttp4xx	Origin-pull status code 4xx	-	projectId, domain
BackOriginHttp500	Origin-pull status code 500	-	projectId, domain
BackOriginHttp502	Origin-pull status code 502	-	projectId, domain
BackOriginHttp5xx	Origin-pull status code 5xx	-	projectId, domain

Note：
The statistical granularity (`period`) may vary by metric. The DescribeBaseMetrics API can be used to get the `period` values supported by each metric.

Overview of Parameters in Each Dimension

Parameter	Dimension	Dimension Description	Format
Instances.N.Dimensions.0.Name	projectId	Project dimension name	Enter a String-type dimension name: projectId
Instances.N.Dimensions.0.Value	projectId	Specific project ID	Enter a specific project ID, such as `1`
Instances.N.Dimensions.0.Name	domain	Overseas domain dimension name	Enter a String-type dimension name: domain

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Parameter	Dimension	Dimension Description	Format
Instances.N.Dimensions.0.Value	domain	Specific domain	Enter a specific domain, for example: 'www.qq.com'

Input Parameter Description

To query the monitoring data of a CDN instance, set the following input parameters:

&Namespace=QCE/OV_CDN

&Instances.N.Dimensions.0.Name=projectId

&Instances.N.Dimensions.0.Value=project ID

&Instances.N.Dimensions.1.Name=domain

&Instances.N.Dimensions.1.Value=domain

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Direct Connect
Dedicated Tunnel Monitoring Metrics

Last updated：2021-02-07 10:54:29

Namespace

Namespace=QCE/DCX

Monitoring Metrics

Parameter	Metric	Description	Unit	Dimension
InBandwidth	Network inbound bandwidth	Inbound bandwidth from the access point AR to the VPC, which is collected once every one or five minutes	Mbps	directConnectConnId
OutBandwidth	Network outbound bandwidth	Outbound bandwidth from the VPC to the access point AR, which is collected once every one or five minutes	Mbps	directConnectConnId
InPkg	Inbound packets	Number of inbound packets of the current dedicated tunnel	Packets/sec	directConnectConnId
OutPkg	Outbound packets	Number of outbound packets of the current dedicated tunnel	Packets/sec	directConnectConnId

Note：

The statistical granularity (`period`) may vary by metric. The DescribeBaseMetrics API can be used to get the `period` values supported by each metric.

Overview of Parameters in Each Dimension

Parameter	Dimension	Dimension	Format

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		Description	
Instances.N.Dimensions.0.Name	directConnectConnId	Dedicated tunnel ID dimension name	Enter a String-type dimension name: directConnectConnId
Instances.N.Dimensions.0.Value	directConnectConnId	Specific dedicated tunnel ID	Enter a specific dedicated tunnel ID, such as `dc-e1h9wqp8`

Input Parameter Description

To query the monitoring data of a dedicated tunnel, set the following input parameters:

&Namespace=QCE/DCX

&Instances.N.Dimensions.0.Name=directConnectConnId

&Instances.N.Dimensions.0.Value=Dedicated tunnel ID

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Connection Monitoring Metrics

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Namespace

Namespace= QCE/DC

Monitoring Metrics

Parameter	Metric Name	Description	Unit	Dimension
OutBandwidth	Network outbound bandwidth	Average outbound traffic per second for a connection	Mbps	directConnectId
InBandwidth	Network inbound bandwidth	Average inbound traffic per second for a connection	Mbps	directConnectId

The statistical granularity (`period`) may vary by metric. The DescribeBaseMetrics API can be used to obtain the `period` supported by each metric.

Overview of the Parameters in Each Dimension

Parameter Name	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.0.Name	directConnectId	Dimension name of the dedicated tunnel ID	Enter a string-type input parameter dimension name, such as directConnectId
Instances.N.Dimensions.0.Value	directConnectId	A specific connection ID	Enter a specific ID for a connection, such as dc-e1h9wqp8

Parameters

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To query the monitoring data of a dedicated tunnel, use the following input parameters:

&Namespace= QCE/DC

&Instances.N.Dimensions.0.Name=directConnectId

&Instances.N.Dimensions.0.Value=

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TKE
Pod

Last updated：2022-09-19 14:56:02

Notes

This document is only applicable to the DescribeStatisticData API. For all the following metrics, the `tke_cluster_instance_id` dimension is always required, one of other required dimensions must be passed in, and other dimensions are optional.

Namespace

Namespace = QCE/TKE2

Monitoring Metrics

Parameter	Metric	Unit	Dimension	Statistical Period
K8sPodCpuCoreUsed	CPU usage	Core	Always required dimensions: tke_cluster_instance_id Required dimensions (one of which must be passed in): workload_name, un_instance_id, node Optional dimensions: node_role, workload_kind, namespace, pod_name	60s, 300s, 3600s, 86400s

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Parameter	Metric	Unit	Dimension	Statistical Period
K8sPodMemNoCacheBytes	Memory usage (excluding cache)	MB	Always required dimensions: tke_cluster_instance_id Required dimensions (one of which must be passed in): workload_name, un_instance_id, node Optional dimensions: node_role, workload_kind, namespace, pod_name	60s, 300s, 3600s, 86400s
K8sPodNetworkReceivePackets	Network inbound packets	Count/s	Always required dimensions: tke_cluster_instance_id Required dimensions (one of which must be passed in): workload_name, un_instance_id, node Optional dimensions: node_role, workload_kind, namespace, pod_name	60s, 300s, 3600s, 86400s
K8sPodRateCpuCoreUsedLimit	CPU utilization (usage/limit)	%	Always required dimensions: tke_cluster_instance_id Required dimensions (one of which must be passed in): workload_name, un_instance_id, node Optional dimensions: node_role, workload_kind, namespace, pod_name	60s, 300s, 3600s, 86400s

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Parameter	Metric	Unit	Dimension	Statistical Period
K8sPodRateMemNoCacheNode	Memory utilization (usage/node, excluding cache)	%	Always required dimensions: tke_cluster_instance_id Required dimensions (one of which must be passed in): workload_name, un_instance_id, node Optional dimensions: node_role, workload_kind, namespace, pod_name	60s, 300s, 3600s, 86400s
K8sPodRateMemUsageRequest	Memory usage (usage/request)	%	Always required dimensions: tke_cluster_instance_id Required dimensions (one of which must be passed in): workload_name, un_instance_id, node Optional dimensions: node_role, workload_kind, namespace, pod_name	60s, 300s, 3600s, 86400s
K8sPodFsReadBytes	Block device read bandwidth	MB	Always required dimensions: tke_cluster_instance_id Required dimensions (one of which must be passed in): workload_name, un_instance_id, node Optional dimensions: node_role, workload_kind, namespace, pod_name	60s, 300s, 3600s, 86400s

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Parameter	Metric	Unit	Dimension	Statistical Period
K8sPodMemUsageBytes	Memory usage	MB	Always required dimensions: tke_cluster_instance_id Required dimensions (one of which must be passed in): workload_name, un_instance_id, node Optional dimensions: node_role, workload_kind, namespace, pod_name	60s, 300s, 3600s, 86400s
K8sPodNetworkTransmitBytes	Network outbound traffic	MB	Always required dimensions: tke_cluster_instance_id Required dimensions (one of which must be passed in): workload_name, un_instance_id, node Optional dimensions: node_role, workload_kind, namespace, pod_name	60s, 300s, 3600s, 86400s
K8sPodRateCpuCoreUsedNode	CPU utilization (usage/node)	%	Always required dimensions: tke_cluster_instance_id Required dimensions (one of which must be passed in): workload_name, un_instance_id, node Optional dimensions: node_role, workload_kind, namespace, pod_name	60s, 300s, 3600s, 86400s

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Parameter	Metric	Unit	Dimension	Statistical Period
K8sPodRateMemNoCacheRequest	Memory utilization (usage/request, excluding cache)	%	Always required dimensions: tke_cluster_instance_id Required dimensions (one of which must be passed in): workload_name, un_instance_id, node Optional dimensions: node_role, workload_kind, namespace, pod_name	60s, 300s, 3600s, 86400s
K8sPodRestartTotal	Number of Pod restarts	-	Always required dimensions: tke_cluster_instance_id Required dimensions (one of which must be passed in): workload_name, un_instance_id, node Optional dimensions: node_role, workload_kind, namespace, pod_name	60s, 300s, 3600s, 86400s
K8sPodFsReadTimes	Number of block device reads	-	Always required dimensions: tke_cluster_instance_id Required dimensions (one of which must be passed in): workload_name, un_instance_id, node Optional dimensions: node_role, workload_kind, namespace, pod_name	60s, 300s, 3600s, 86400s

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Parameter	Metric	Unit	Dimension	Statistical Period
K8sPodNetworkReceiveBytes	Network inbound traffic	MB	Always required dimensions: tke_cluster_instance_id Required dimensions (one of which must be passed in): workload_name, un_instance_id, node Optional dimensions: node_role, workload_kind, namespace, pod_name	60s, 300s, 3600s, 86400s
K8sPodNetworkTransmitBytesBw	Network outbound bandwidth	MB/s	Always required dimensions: tke_cluster_instance_id Required dimensions (one of which must be passed in): workload_name, un_instance_id, node Optional dimensions: node_role, workload_kind, namespace, pod_name	60s, 300s, 3600s, 86400s
K8sPodRateCpuCoreUsedRequest	CPU utilization (usage/request)	%	Always required dimensions: tke_cluster_instance_id Required dimensions (one of which must be passed in): workload_name, un_instance_id, node Optional dimensions: node_role, workload_kind, namespace, pod_name	60s, 300s, 3600s, 86400s

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Parameter	Metric	Unit	Dimension	Statistical Period
K8sPodRateMemUsageLimit	Memory utilization (usage/limit)	%	Always required dimensions: tke_cluster_instance_id Required dimensions (one of which must be passed in): workload_name, un_instance_id, node Optional dimensions: node_role, workload_kind, namespace, pod_name	60s, 300s, 3600s, 86400s
K8sPodStatusReady	Pod_Ready status	-	Always required dimensions: tke_cluster_instance_id Required dimensions (one of which must be passed in): workload_name, un_instance_id, node Optional dimensions: node_role, workload_kind, namespace, pod_name	60s, 300s, 3600s, 86400s
K8sPodFsWriteBytes	Block device write bandwidth	MB	Always required dimensions: tke_cluster_instance_id Required dimensions (one of which must be passed in): workload_name, un_instance_id, node Optional dimensions: node_role, workload_kind, namespace, pod_name	60s, 300s, 3600s, 86400s

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Parameter	Metric	Unit	Dimension	Statistical Period
K8sPodNetworkReceiveBytesBw	Inbound bandwidth	MB	Always required dimensions: tke_cluster_instance_id Required dimensions (one of which must be passed in): workload_name, un_instance_id, node Optional dimensions: node_role, workload_kind, namespace, pod_name	60s, 300s, 3600s, 86400s
K8sPodNetworkTransmitPackets	Network outbound packets	Count/s	Always required dimensions: tke_cluster_instance_id Required dimensions (one of which must be passed in): workload_name, un_instance_id, node Optional dimensions: node_role, workload_kind, namespace, pod_name	60s, 300s, 3600s, 86400s
K8sPodRateMemNoCacheLimit	Memory utilization (usage/limit, excluding cache)	%	Always required dimensions: tke_cluster_instance_id Required dimensions (one of which must be passed in): workload_name, un_instance_id, node Optional dimensions: node_role, workload_kind, namespace, pod_name	60s, 300s, 3600s, 86400s

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Parameter	Metric	Unit	Dimension	Statistical Period
K8sPodRateMemUsageNode	Memory utilization (usage/node)	%	Always required dimensions: tke_cluster_instance_id Required dimensions (one of which must be passed in): workload_name, un_instance_id, node Optional dimensions: node_role, workload_kind, namespace, pod_name	60s, 300s, 3600s, 86400s
K8sPodFsWriteTimes	Number of block device writes	-	Always required dimensions: tke_cluster_instance_id Required dimensions (one of which must be passed in): workload_name, un_instance_id, node Optional dimensions: node_role, workload_kind, namespace, pod_name	60s, 300s, 3600s, 86400s
K8sPodRateGpuMemoryUsedNode	GPU memory utilization (usage/node)	%	Always required dimensions: tke_cluster_instance_id Required dimensions (one of which must be passed in): workload_name, un_instance_id, node Optional dimensions: node_role, workload_kind, namespace, pod_name	60s, 300s, 3600s, 86400s

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Parameter	Metric	Unit	Dimension	Statistical Period
K8sPodRateGpuMemoryUsedRequest	GPU memory utilization (usage/request)	%	Always required dimensions: tke_cluster_instance_id Required dimensions (one of which must be passed in): workload_name, un_instance_id, node Optional dimensions: node_role, workload_kind, namespace, pod_name	60s, 300s, 3600s, 86400s
K8sPodRateGpuUsedNode	GPU utilization (usage/node)	%	Always required dimensions: tke_cluster_instance_id Required dimensions (one of which must be passed in): workload_name, un_instance_id, node Optional dimensions: node_role, workload_kind, namespace, pod_name	60s, 300s, 3600s, 86400s
K8sPodRateGpuUsedRequest	GPU utilization (usage/request)	%	Always required dimensions: tke_cluster_instance_id Required dimensions (one of which must be passed in): workload_name, un_instance_id, node Optional dimensions: node_role, workload_kind, namespace, pod_name	60s, 300s, 3600s, 86400s

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Parameter	Metric	Unit	Dimension	Statistical Period
K8sPodGpuMemoryRequestBytes	Number of requested GPU cards	-	Always required dimensions: tke_cluster_instance_id Required dimensions (one of which must be passed in): workload_name, un_instance_id, node Optional dimensions: node_role, workload_kind, namespace, pod_name	60s, 300s, 3600s, 86400s
K8sPodGpuMemoryUsedBytes	GPU memory usage	MB	Always required dimensions: tke_cluster_instance_id Required dimensions (one of which must be passed in): workload_name, un_instance_id, node Optional dimensions: node_role, workload_kind, namespace, pod_name	60s, 300s, 3600s, 86400s
K8sPodGpuRequest	Number of requested GPU cards	-	Always required dimensions: tke_cluster_instance_id Required dimensions (one of which must be passed in): workload_name, un_instance_id, node Optional dimensions: node_role, workload_kind, namespace, pod_name	60s, 300s, 3600s, 86400s

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Parameter	Metric	Unit	Dimension	Statistical Period
K8sPodGpuUsed	GPU usage	MB	Always required dimensions: tke_cluster_instance_id Required dimensions (one of which must be passed in): workload_name, un_instance_id, node Optional dimensions: node_role, workload_kind, namespace, pod_name	60s, 300s, 3600s, 86400s
K8sPodRateCpuCoreUsedResource	CPU utilization	%	Always required dimensions: tke_cluster_instance_id Required dimensions (one of which must be passed in): workload_name, un_instance_id, node Optional dimensions: node_role, workload_kind, namespace, pod_name	60s, 300s, 3600s, 86400s
K8sPodRateMemUsageResource	Memory utilization (usage/pod specification)	%	Always required dimensions: tke_cluster_instance_id Required dimensions (one of which must be passed in): workload_name, un_instance_id, node Optional dimensions: node_role, workload_kind, namespace, pod_name	60s, 300s, 3600s, 86400s

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Parameter	Metric	Unit	Dimension	Statistical Period
K8sPodRateMemNoCacheResource	Memory utilization (usage/pod specification, excluding cache)	%	Always required dimensions: tke_cluster_instance_id Required dimensions (one of which must be passed in): workload_name, un_instance_id, node Optional dimensions: node_role, workload_kind, namespace, pod_name	60s, 300s, 3600s, 86400s

Statistical Granularity and Time Span

The supported time span varies by statistical granularity. When pulling monitoring data, you should keep in mind the time span restrictions as detailed below:

Statistical Granularity	Maximum Time Span (End Time - Start Time)
60s	12 hours
300s	3 days
3600s	30 days
86400s	186 days

Dimensions and Parameters

Parameter Name	Type	Dimension Name	Description	Format
Conditions.N.Dimensions.N.Name	Required	tke_cluster_instance_id	Dimension name of the cluster	Enter a string-typ dimension name, as `tke_cluster_insta

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Parameter Name	Type	Dimension Name	Description	Format
Conditions.N.Dimensions.N.Value		tke_cluster_instance_id	Specific cluster ID	Enter a specific c ID, such as `cls-fvkxp123`
Conditions.N.Dimensions.N.Name	Required (one of which must be passed in)	workload_name	Dimension name of the workload name	Enter a specific w name, such as `workload_name`
Conditions.N.Dimensions.N.Value		workload_name	Specific workload name	Enter a specific w name, such as `c
Conditions.N.Dimensions.N.Name		node	Dimension name of the node name	Enter a specific w name, such as `n
Conditions.N.Dimensions.N.Value		node	Specific node name	Enter a specific n name, such as `n
Conditions.N.Dimensions.N.Name		un_instance_id	Dimension name of the node ID	Enter a specific w name, such as `un_instance_id`
Conditions.N.Dimensions.N.Value		un_instance_id	Specific node ID	Enter a specific n such as `ins-nwjh
Conditions.N.Dimensions.N.Name	Optional (zero, one, or multiple of which can be passed in optionally)	workload_kind	Dimension name of the workload type	Enter a specific w name, such as `workload_kind`
Conditions.N.Dimensions.N.Value		workload_kind	Specific workload type	Enter a specific w name, such as `Deployment`
Conditions.N.Dimensions.N.Name		namespace	Dimension name of the namespace	Enter a string-typ dimension name, as `namespace`

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Parameter Name	Type	Dimension Name	Description	Format
Conditions.N.Dimensions.N.Value		namespace	Specific namespace	Enter a specific namespace, such `kube-system`
Conditions.N.Dimensions.N.Name		node_role	Dimension name of the cluster	Enter a string-typ dimension name, as `node_role`
Conditions.N.Dimensions.N.Value		node_role	Specific node role	Enter a specific n role, such as `noc
Conditions.N.Dimensions.N.Name		pod_name	Dimension name of the Pod name	Enter a specific w name, such as `pod_name`
Conditions.N.Dimensions.N.Value		pod_name	Specific Pod name	Enter a specific P name, such as `c 6ffc45f789-46lpq

Input Parameters

In the namespace dimension, use the following input parameters:

&Namespace=QCE/TKE2

&Conditions.N.Dimensions.0.Name=tke_cluster_instance_id

&Conditions.N.Dimensions.0.Value=cls-fvkxp123

&Conditions.N.Dimensions.1.Name=namespace

&Conditions.N.Dimensions.1.Value=kube-system

In the workload type dimension, use the following input parameters:

&Namespace=QCE/TKE2

&Conditions.N.Dimensions.0.Name=tke_cluster_instance_id

&Conditions.N.Dimensions.0.Value=cls-fvkxp123

&Conditions.N.Dimensions.1.Name=workload_kind

&Conditions.N.Dimensions.1.Value=Deployment

In the workload name dimension, use the following input parameters:

&Namespace=QCE/TKE

&Conditions.N.Dimensions.0.Name=tke_cluster_instance_id

&Conditions.N.Dimensions.0.Value=cls-fvkxp123

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&Conditions.N.Dimensions.1.Name=workload_name

&Conditions.N.Dimensions.1.Value=coredns

In the node role dimension, use the following input parameters:

&Namespace=QCE/TKE2

&Conditions.N.Dimensions.0.Name=tke_cluster_instance_id

&Conditions.N.Dimensions.0.Value=cls-fvkxp123

&Conditions.N.Dimensions.1.Name=node_role

&Conditions.N.Dimensions.1.Value=node

In the node ID dimension, use the following input parameters:

&Namespace=QCE/TKE2

&Conditions.N.Dimensions.0.Name=tke_cluster_instance_id

&Conditions.N.Dimensions.0.Value=cls-fvkxp123

&Conditions.N.Dimensions.1.Name=un_instance_id

&Conditions.N.Dimensions.1.Value=ins-nwjhh123

In the node name dimension, use the following input parameters:

&Namespace=QCE/TKE2

&Conditions.N.Dimensions.0.Name=tke_cluster_instance_id

&Conditions.N.Dimensions.0.Value=cls-fvkxp123

&Conditions.N.Dimensions.1.Name=node

&Conditions.N.Dimensions.1.Value=node

In the Pod name dimension, use the following input parameters:

&Namespace=QCE/TKE2

&Conditions.N.Dimensions.0.Name=tke_cluster_instance_id

&Conditions.N.Dimensions.0.Value=cls-fvkxp123

&Conditions.N.Dimensions.1.Name=pod_name

&Conditions.N.Dimensions.1.Value=coredns-6ffc45f789-46lpq

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Workload

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Notes

This document is only applicable to the DescribeStatisticData API. For all the following metrics, the `tke_cluster_instance_id` dimension is required, while other dimensions are optional.

Namespace

Namespace = QCE/TKE2

Monitoring Metrics

Parameter	Metric	Unit	Dimension	Stat Peri
K8sWorkloadAbnormal	Workload exception	-	Required dimensions: tke_cluster_instance_id Optional dimensions: namespace, workload_kind, workload_name	60s, 300 360 864
K8sWorkloadFsWriteTimes	Number of block device writes	-	Required dimensions: tke_cluster_instance_id Optional dimensions: namespace, workload_kind, workload_name	60s, 300 360 864
K8sWorkloadNetworkReceiveBytesBw	Network inbound bandwidth	MB	Required dimensions: tke_cluster_instance_id Optional dimensions: namespace, workload_kind, workload_name	60s, 300 360 864

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Parameter	Metric	Unit	Dimension	Stat Peri
K8sWorkloadNetworkTransmitBytesBw	Network outbound bandwidth	MB	Required dimensions: tke_cluster_instance_id Optional dimensions: namespace, workload_kind, workload_name	60s, 300 360 864
K8sWorkloadRateCpuCoreUsedCluster	CPU utilization	%	Required dimensions: tke_cluster_instance_id Optional dimensions: namespace, workload_kind, workload_name	60s, 300 360 864
K8sWorkloadCpuCoreUsed	Number of used CPU cores	-	Required dimensions: tke_cluster_instance_id Optional dimensions: namespace, workload_kind, workload_name	60s, 300 360 864
K8sWorkloadMemNoCacheBytes	Memory usage (excluding cache)	MB	Required dimensions: tke_cluster_instance_id Optional dimensions: namespace, workload_kind, workload_name	60s, 300 360 864
K8sWorkloadNetworkReceivePackets	Network inbound packets	Count/s	Required dimensions: tke_cluster_instance_id Optional dimensions: namespace, workload_kind, workload_name	60s, 300 360 864
K8sWorkloadNetworkTransmitPackets	Network outbound packets	Count/s	Required dimensions: tke_cluster_instance_id Optional dimensions: namespace, workload_kind, workload_name	60s, 300 360 864

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Parameter	Metric	Unit	Dimension	Stat Peri
K8sWorkloadRateMemNoCacheCluster	Memory utilization (excluding cache)	%	Required dimensions: tke_cluster_instance_id Optional dimensions: namespace, workload_kind, workload_name	60s, 300 360 864
K8sWorkloadFsReadBytes	Block device read size	MB	Required dimensions: tke_cluster_instance_id Optional dimensions: namespace, workload_kind, workload_name	60s, 300 360 864
K8sWorkloadMemUsageBytes	Memory usage	MB	Required dimensions: tke_cluster_instance_id Optional dimensions: namespace, workload_kind, workload_name	60s, 300 360 864
K8sWorkloadNetworkTransmitBytes	Network outbound traffic	MB	Required dimensions: tke_cluster_instance_id Optional dimensions: namespace, workload_kind, workload_name	60s, 300 360 864
K8sWorkloadPodRestartTotal	Number of Pod restarts	-	Required dimensions: tke_cluster_instance_id Optional dimensions: namespace, workload_kind, workload_name	60s, 300 360 864
K8sWorkloadRateMemUsageBytesCluster	Memory utilization	%	Required dimensions: tke_cluster_instance_id Optional dimensions: namespace, workload_kind, workload_name	60s, 300 360 864

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Parameter	Metric	Unit	Dimension	Stat Peri
K8sWorkloadFsReadTimes	Number of block device reads	-	Required dimensions: tke_cluster_instance_id Optional dimensions: namespace, workload_kind, workload_name	60s, 300 360 864
K8sWorkloadNetworkReceiveBytes	Network inbound traffic	MB	Required dimensions: tke_cluster_instance_id Optional dimensions: namespace, workload_kind, workload_name	60s, 300 360 864
K8sWorkloadFsWriteBytes	Block device write size	B	Required dimensions: tke_cluster_instance_id Optional dimensions: namespace, workload_kind, workload_name	60s, 300 360 864
K8sWorkloadGpuMemoryUsedBytes	GPU memory usage	MB	Required dimensions: tke_cluster_instance_id Optional dimensions: namespace, workload_kind, workload_name	60s, 300 360 864
K8sWorkloadGpuUsed	Number of used GPU cards	-	Required dimensions: tke_cluster_instance_id Optional dimensions: namespace, workload_kind, workload_name	60s, 300 360 864
K8sWorkloadRateGpuMemoryUsedCluster	GPU memory utilization	%	Required dimensions: tke_cluster_instance_id Optional dimensions: namespace, workload_kind, workload_name	60s, 300 360 864

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Parameter	Metric	Unit	Dimension	Stat Peri
K8sWorkloadRateGpuUsedCluster	GPU utilization	%	Required dimensions: tke_cluster_instance_id Optional dimensions: namespace, workload_kind, workload_name	60s, 300 360 864
K8sWorkloadRateCpuCoreUsedResource	CPU utilization (usage/pod specification)	%	Required dimensions: tke_cluster_instance_id Optional dimensions: namespace, workload_kind, workload_name	60s, 300 360 864
K8sWorkloadRateMemUsageBytesResource	Memory utilization (usage/pod specification)	%	Required dimensions: tke_cluster_instance_id Optional dimensions: namespace, workload_kind, workload_name	60s, 300 360 864
K8sWorkloadRateMemNoCacheBytesResource	Memory utilization (usage/pod specification, excluding cache)	%	Required dimensions: tke_cluster_instance_id Optional dimensions: namespace, workload_kind, workload_name	60s, 300 360 864

Statistical Granularity and Time Span

The supported time span varies by statistical granularity. When pulling monitoring data, you should keep in mind the time span restrictions as detailed below:

Statistical Granularity	Maximum Time Span (End Time - Start Time)
60s	12 hours
300s	3 days
3600s	30 days

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Statistical Granularity	Maximum Time Span (End Time - Start Time)
86400s	186 days

Dimensions and Parameters

Parameter Name	Type	Dimension Name	Description	Format
Conditions.N.Dimensions.N.Name	Required	tke_cluster_instance_id	Dimension name of the cluster	Enter a string-typ dimension name, as `tke_cluster_insta
Conditions.N.Dimensions.N.Value		tke_cluster_instance_id	Specific cluster ID	Enter a specific c ID, such as `cls-fvkxp123`
Conditions.N.Dimensions.N.Name	Optional (zero, one, or multiple of which can be passed in optionally)	namespace	Dimension name of the namespace	Enter a string-typ dimension name, as `namespace`
Conditions.N.Dimensions.N.Value		namespace	Specific namespace	Enter a specific namespace, such `kube-system`
Conditions.N.Dimensions.N.Name		workload_kind	Dimension name of the workload type	Enter a specific w name, such as `workload_kind`
Conditions.N.Dimensions.N.Value		workload_kind	Specific workload type	Enter a specific w name, such as `Deployment`
Conditions.N.Dimensions.N.Name		workload_name	Dimension name of the workload name	Enter a specific w name, such as `workload_name`

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Parameter Name	Type	Dimension Name	Description	Format
Conditions.N.Dimensions.N.Value		workload_name	Specific workload name	Enter a specific w name, such as `c

Input Parameters

In the cluster dimension (required), use the following input parameters:

&Namespace=QCE/TKE2

&Conditions.N.Dimensions.0.Name=tke_cluster_instance_id

&Conditions.N.Dimensions.0.Value=cls-fvkxp123

In the namespace dimension, use the following input parameters:

&Namespace=QCE/TKE2

&Conditions.N.Dimensions.0.Name=tke_cluster_instance_id

&Conditions.N.Dimensions.0.Value=cls-fvkxp123

&Conditions.N.Dimensions.1.Name=namespace

&Conditions.N.Dimensions.1.Value=kube-system

In the workload type dimension, use the following input parameters:

&Namespace=QCE/TKE2

&Conditions.N.Dimensions.0.Name=tke_cluster_instance_id

&Conditions.N.Dimensions.0.Value=cls-fvkxp123

&Conditions.N.Dimensions.1.Name=workload_kind

&Conditions.N.Dimensions.1.Value=Deployment

In the workload name dimension, use the following input parameters:

&Namespace=QCE/TKE2

&Conditions.N.Dimensions.0.Name=tke_cluster_instance_id

&Conditions.N.Dimensions.0.Value=cls-fvkxp123

&Conditions.N.Dimensions.1.Name=workload_name

&Conditions.N.Dimensions.1.Value=coredns

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Cluster

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Notes

This document is only applicable to the DescribeStatisticData API.

Namespace

Namespace = QCE/TKE2

Monitoring Metrics

Parameter	Metric	Unit	Dimension	Statistical Period
K8sClusterCpuCoreTotal	Total number of CPU cores	-	tke_cluster_instance_id	60s, 300s, 3600s, 86400s
K8sClusterFsReadTimes	Number of block device reads	-	tke_cluster_instance_id	60s, 300s, 3600s, 86400s
K8sClusterMemUsageBytes	Memory usage	MB	tke_cluster_instance_id	60s, 300s, 3600s, 86400s
K8sClusterNetwork TransmitBytes	Network outbound traffic	MB	tke_cluster_instance_id	60s, 300s, 3600s, 86400s

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Parameter	Metric	Unit	Dimension	Statistical Period
K8sClusterRateCpuCoreRequestCluster	CPU allocation	%	tke_cluster_instance_id	60s, 300s, 3600s, 86400s
K8sClusterRateMemRequestBytesCluster	Memory allocation	%	tke_cluster_instance_id	60s, 300s, 3600s, 86400s
K8sClusterCpuCoreUsed	Number of used CPU cores	-	tke_cluster_instance_id	60s, 300s, 3600s, 86400s
K8sClusterFsWriteBytes	Block device write size	MB	tke_cluster_instance_id	60s, 300s, 3600s, 86400s
K8sClusterNetworkReceiveBytes	Network inbound traffic	MB	tke_cluster_instance_id	60s, 300s, 3600s, 86400s
K8sClusterNetworkTransmitBytesBw	Network outbound bandwidth	MB/s	tke_cluster_instance_id	60s, 300s, 3600s, 86400s
K8sClusterRateCpuCoreUsedCluster	CPU utilization	%	tke_cluster_instance_id	60s, 300s, 3600s, 86400s
K8sClusterRateMemUsageBytesCluster	Memory utilization	%	tke_cluster_instance_id	60s, 300s, 3600s, 86400s

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Parameter	Metric	Unit	Dimension	Statistical Period
K8sClusterEtcdDb TotalSizeBytes	etcd storage capacity	MB	tke_cluster_instance_id	60s, 300s, 3600s, 86400s
K8sClusterFsWriteTimes	Number of block device writes	-	tke_cluster_instance_id	60s, 300s, 3600s, 86400s
K8sClusterNetwork ReceiveBytesBw	Network inbound bandwidth	B	tke_cluster_instance_id	60s, 300s, 3600s, 86400s
K8sClusterNetwork TransmitPackets	Network outbound packets	Count/s	tke_cluster_instance_id	60s, 300s, 3600s, 86400s
K8sClusterRateMemNo CacheBytesCluster	Memory utilization (excluding cache)	%	tke_cluster_instance_id	60s, 300s, 3600s, 86400s
K8sClusterFsReadBytes	Block device read size	MB	tke_cluster_instance_id	60s, 300s, 3600s, 86400s
K8sClusterMemoryTotal	Total memory	GB	tke_cluster_instance_id	60s, 300s, 3600s, 86400s
K8sClusterNetwork ReceivePackets	Network inbound packets	Count/s	tke_cluster_instance_id	60s, 300s, 3600s, 86400s

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Parameter	Metric	Unit	Dimension	Statistical Period
K8sClusterMem NoCacheBytes	Memory usage (excluding cache)	MB	tke_cluster_instance_id	60s, 300s, 3600s, 86400s
K8sClusterAllocatable PodsTotal	Number of allocatable pods	-	tke_cluster_instance_id	60s, 300s, 3600s, 86400s
K8sClusterGpu MemoryTotalBytes	Total GPU memory	GB	tke_cluster_instance_id	60s, 300s, 3600s, 86400s
K8sClusterPods UsedTotal	Number of pods	-	tke_cluster_instance_id	60s, 300s, 3600s, 86400s
K8sClusterNodeTotal	Total number of nodes	-	tke_cluster_instance_id	60s, 300s, 3600s, 86400s
K8sClusterGpu MemoryUsedBytes	GPU memory usage	MB	tke_cluster_instance_id	60s, 300s, 3600s, 86400s
K8sClusterGpuTotal	Total number GPU cards	-	tke_cluster_instance_id	60s, 300s, 3600s, 86400s
K8sClusterGpuUsed	Number of used GPU cards	-	tke_cluster_instance_id	60s, 300s, 3600s, 86400s

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Parameter	Metric	Unit	Dimension	Statistical Period
K8sClusterRateGpuMemoryRequestCluster	GPU memory allocation	%	tke_cluster_instance_id	60s, 300s, 3600s, 86400s
K8sClusterRateGpuMemoryUsedCluster	GPU memory utilization	%	tke_cluster_instance_id	60s, 300s, 3600s, 86400s
K8sClusterRateGpuRequestCluster	GPU allocation	%	tke_cluster_instance_id	60s, 300s, 3600s, 86400s
K8sClusterRateGpuUsedCluster	GPU utilization	%	tke_cluster_instance_id	60s, 300s, 3600s, 86400s
K8sClusterEksCpuCoreUsed	Number of used CPU cores	-	tke_cluster_instance_id	60s, 300s, 3600s, 86400s
K8sClusterEksMemNoCacheBytes	Elastic container memory usage (excluding cache)	MB/s	tke_cluster_instance_id	60s, 300s, 3600s, 86400s
K8sClusterEksMemUsageBytes	Memory usage	MB/s	tke_cluster_instance_id	60s, 300s, 3600s, 86400s

Statistical Granularity and Time Span

The supported time span varies by statistical granularity. When pulling monitoring data, you should pay attention to the time span restrictions as detailed below:

Statistical Granularity	Maximum Time Span (End Time - Start Time)

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Statistical Granularity	Maximum Time Span (End Time - Start Time)
60s	12 hours
300s	3 days
3600s	30 days
86400s	186 days

Overview of Parameters in Each Dimension

Parameter	Dimension	Dimension Description	Format
Conditions.N.Dimensions.N.Name	tke_cluster_instance_id	Dimension name of the cluster	Enter a string-type dimension name, such as `tke_cluster_instance_i`
Conditions.N.Dimensions.N.Value	tke_cluster_instance_id	Specific cluster ID	Enter a specific cluster ID, such a cls-fvkxp123

Input Parameter Description

Use the following input parameters:

&Namespace=QCE/TKE2

&Conditions.N.Dimensions.0.Name=tke_cluster_instance_id

&Conditions.N.Dimensions.0.Value=cls-fvkxp123

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Cluster Component

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Notes

This document is only applicable to the DescribeStatisticData API. For all the following metrics, the `tke_cluster_instance_id` dimension is required, while other dimensions are optional.

Namespace

Namespace = QCE/TKE2

Monitoring Metrics

Note：
The following four metrics are not supported for managed clusters: `K8sComponentApiserverReady`, `K8sComponentControllerManagerReady`, `K8sComponentEtcdReady`, and `K8sComponentSchedulerReady`.

Parameter	Metric	Unit	Dimension	Statistical Period
K8sComponent ApiserverReady	kube-apiserver health status	-	Required dimensions: tke_cluster_instance_id Optional dimensions: node, un_instance_id	60s, 300s, 3600s, 86400s
K8sComponentController ManagerReady	kube-controller-manager health status	-	Required dimensions: tke_cluster_instance_id Optional dimensions: node, un_instance_id	60s, 300s, 3600s, 86400s

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Parameter	Metric	Unit	Dimension	Statistical Period
K8sComponentEtcdReady	etcd health status	-	Required dimensions: tke_cluster_instance_id Optional dimensions: node, un_instance_id	60s, 300s, 3600s, 86400s
K8sComponentSchedulerReady	kube-scheduler health status	-	Required dimensions: tke_cluster_instance_id Optional dimensions: node, un_instance_id	60s, 300s, 3600s, 86400s
K8sContainerNetworkReceiveBytes	Network inbound traffic	MB/s	Required dimensions: tke_cluster_instance_id, workload_name Optional dimensions: node, un_instance_id. At least three dimensions should be input for this metric	60s, 300s, 3600s, 86400s

Overview of Parameters in Each Dimension

Parameter Name	Type	Dimension Name	Description	Format
Conditions.N.Dimensions.N.Name	Required	tke_cluster_instance_id	Dimension name of the cluster	Enter a string-type dimension name, as `tke_cluster_insta
Conditions.N.Dimensions.N.Value		tke_cluster_instance_id	Specific cluster ID	Enter a specific cl ID, such as cls-fvl
Conditions.N.Dimensions.N.Name		workload_name	Dimension name of the workload name	Enter a string-type dimension name, as `workload_nam
Conditions.N.Dimensions.N.Value		workload_name	Specific workload name	Enter a specific w name, such as co

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Parameter Name	Type	Dimension Name	Description	Format
Conditions.N.Dimensions.N.Name	Optional (zero, one, or multiple of which can be passed in optionally)	node	Dimension name of the node name	Enter a string-type dimension name, as `node`
Conditions.N.Dimensions.N.Value		node	Specific node name	Enter a specific no name, such as no
Conditions.N.Dimensions.N.Name		un_instance_id	Dimension name of the node ID	Enter a string-type dimension name, as `un_instance_i
Conditions.N.Dimensions.N.Value		un_instance_id	Specific node ID	Enter a specific no such as ins-nwjhh

Statistical Granularity and Time Span

The supported time span varies by statistical granularity. When pulling monitoring data, you should pay attention to the time span restrictions as detailed below:

Statistical Granularity	Maximum Time Span (End Time - Start Time)
60s	12 hours
300s	3 days
3600s	30 days
86400s	186 days

Input Parameter Description

In the cluster dimension, use the following input parameters:

&Namespace=QCE/TKE2

&Conditions.N.Dimensions.0.Name=tke_cluster_instance_id

&Conditions.N.Dimensions.0.Value=cls-fvkxp123

In the node ID dimension, use the following input parameters:

&Namespace=QCE/TKE2

&Conditions.N.Dimensions.0.Name=tke_cluster_instance_id

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&Conditions.N.Dimensions.0.Value=cls-fvkxp123

&Conditions.N.Dimensions.1.Name=un_instance_id

&Conditions.N.Dimensions.1.Value=ins-nwjhh123

In the node name dimension, use the following input parameters:

&Namespace=QCE/TKE2

&Conditions.N.Dimensions.0.Name=tke_cluster_instance_id

&Conditions.N.Dimensions.0.Value=cls-fvkxp123

&Conditions.N.Dimensions.1.Name=node

&Conditions.N.Dimensions.1.Value=node

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Node

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Notes

This document is only applicable to the DescribeStatisticData API. For all the following metrics, the `tke_cluster_instance_id` dimension is required, while other dimensions are optional.

Namespace

Namespace = QCE/TKE2

Monitoring Metrics

Parameter	Metric	Unit	Dimension	Statistical Period
K8sNodeCpuUsage	CPU utilization	%	Required dimensions: tke_cluster_instance_id Optional dimensions: node_role, node, un_instance_id	60s, 300s, 3600s, 86400s
K8sNodeStatusReady	Node status	-	Required dimensions: tke_cluster_instance_id Optional dimensions: node_role, node, un_instance_id	60s, 300s, 3600s, 86400s
K8sNodeLanIntraffic	Private inbound bandwidth	MB/s	Required dimensions: tke_cluster_instance_id Optional dimensions: node_role, node, un_instance_id	60s, 300s, 3600s, 86400s
K8sNodeTcpCurrEstab	Number of TCP connections	-	Required dimensions: tke_cluster_instance_id Optional dimensions: node_role, node, un_instance_id	60s, 300s, 3600s, 86400s

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Parameter	Metric	Unit	Dimension	Statistical Period
K8sNodeLanOuttraffic	Private outbound bandwidth	MB/s	Required dimensions: tke_cluster_instance_id Optional dimensions: node_role, node, un_instance_id	60s, 300s, 3600s, 86400s
K8sNodeWanIntraffic	Public inbound bandwidth	MB/s	Required dimensions: tke_cluster_instance_id Optional dimensions: node_role, node, un_instance_id	60s, 300s, 3600s, 86400s
K8sNodeMemUsage	Memory utilization	%	Required dimensions: tke_cluster_instance_id Optional dimensions: node_role, node, un_instance_id	60s, 300s, 3600s, 86400s
K8sNodePod RestartTotal	Number of pod restarts on the node	-	Required dimensions: tke_cluster_instance_id Optional dimensions: node_role, node, un_instance_id	60s, 300s, 3600s, 86400s
K8sNodeCpu CoreRequestTotal	Number of allocated CPU cores	-	Required dimensions: tke_cluster_instance_id Optional dimensions: node_role, node, un_instance_id	60s, 300s, 3600s, 86400s
K8sNodeGpu MemoryUsedBytes	GPU memory usage	B	Required dimensions: tke_cluster_instance_id Optional dimensions: node_role, node, un_instance_id	60s, 300s, 3600s, 86400s
K8sNodeGpuUsed	GPU utilization	%	Required dimensions: tke_cluster_instance_id Optional dimensions: node_role, node, un_instance_id	60s, 300s, 3600s, 86400s
K8sNodeRateGpu MemoryUsed	GPU memory utilization	%	Required dimensions: tke_cluster_instance_id Optional dimensions: node_role, node, un_instance_id	60s, 300s, 3600s, 86400s

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Parameter	Metric	Unit	Dimension	Statistical Period
K8sNodeWan Outtraffic	Public outbound bandwidth	MB/s	Required dimensions: tke_cluster_instance_id Optional dimensions: node_role, node, un_instance_id	60s, 300s, 3600s, 86400s
K8sNodeRate GpuUsed	GPU utilization	%	Required dimensions: tke_cluster_instance_id Optional dimensions: node_role, node, un_instance_id	60s, 300s, 3600s, 86400s
K8sNodeMemory RequestBytesTotal	Memory allocation	MB	Required dimensions: tke_cluster_instance_id Optional dimensions: node_role, node, un_instance_id	60s, 300s, 3600s, 86400s

Statistical Granularity and Time Span

The supported time span varies by statistical granularity. When pulling monitoring data, you should pay attention to the time span restrictions as detailed below:

Statistical Granularity	Maximum Time Span (End Time - Start Time)
60s	12 hours
300s	3 days
3600s	30 days
86400s	186 days

Overview of Parameters in Each Dimension

Parameter Name	Type	Dimension Name	Description	Format
Conditions.N.Dimensions.N.Name	Required	tke_cluster_instance_id	Dimension name of the cluster	Enter a string-type dimension name, as `tke_cluster_insta

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Parameter Name	Type	Dimension Name	Description	Format
Conditions.N.Dimensions.N.Value		tke_cluster_instance_id	Specific cluster ID	Enter a specific cl ID, such as cls-fvl
Conditions.N.Dimensions.N.Name	Optional (zero, one, or multiple of which can be passed in optionally)	node_role	Dimension name of the cluster	Enter a string-type dimension name, as `node_role`
Conditions.N.Dimensions.N.Value		node_role	Specific node role	Enter a specific no role, such as node
Conditions.N.Dimensions.N.Name		node	Dimension name of the node name	Enter a string-type dimension name, as `node`
Conditions.N.Dimensions.N.Value		node	Specific node name	Enter a specific no name, such as no
Conditions.N.Dimensions.N.Name		un_instance_id	Dimension name of the node ID	Enter a string-type dimension name, as `un_instance_i
Conditions.N.Dimensions.N.Value		un_instance_id	Specific node ID	Enter a specific no such as ins-nwjhh

Input Parameter Description

In the cluster dimension, use the following input parameters:

&Namespace=QCE/TKE2

&Conditions.N.Dimensions.0.Name=tke_cluster_instance_id

&Conditions.N.Dimensions.0.Value=cls-fvkxp123

In the node role dimension, use the following input parameters:

&Namespace=QCE/TKE2

&Conditions.N.Dimensions.0.Name=tke_cluster_instance_id

&Conditions.N.Dimensions.0.Value=cls-fvkxp123

&Conditions.N.Dimensions.1.Name=node_role

&Conditions.N.Dimensions.1.Value=node

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In the node ID dimension, use the following input parameters:

&Namespace=QCE/TKE2

&Conditions.N.Dimensions.0.Name=tke_cluster_instance_id

&Conditions.N.Dimensions.0.Value=cls-fvkxp123

&Conditions.N.Dimensions.1.Name=un_instance_id

&Conditions.N.Dimensions.1.Value=ins-nwjhh123

In the node name dimension, use the following input parameters:

&Namespace=QCE/TKE2

&Conditions.N.Dimensions.0.Name=tke_cluster_instance_id

&Conditions.N.Dimensions.0.Value=cls-fvkxp123

&Conditions.N.Dimensions.1.Name=node

&Conditions.N.Dimensions.1.Value=node

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Container

Last updated：2022-09-19 14:56:02

Notes

This document is only applicable to the DescribeStatisticData API. For all the following metrics, the `tke_cluster_instance_id` and `workload_name` dimensions are always required, and one of other required dimensions must be passed in.

Namespace

Namespace = QCE/TKE2

Monitoring Metrics

Parameter	Metric	Unit	Dimension
K8sContainerCpuCoreUsed	Number of used CPU cores (average 2-minute number of CPU cores in the container)	-	Always required dimensions: tke_cluster_insta workload_name Required dimens (one of which mu passed in): name node_role, node, un_instance_id, pod_name, container_name, container_id, workload_kind

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Parameter	Metric	Unit	Dimension
K8sContainerFsWriteTimes	Number of block device writes	-	Always required dimensions: tke_cluster_insta workload_name Required dimens (one of which mu passed in): name node_role, node, un_instance_id, pod_name, container_name, container_id, workload_kind
K8sContainerRateCpuCoreUsedNode	CPU utilization (usage/node)	%	Always required dimensions: tke_cluster_insta workload_name Required dimens (one of which mu passed in): name node_role, node, un_instance_id, pod_name, container_name, container_id, workload_kind
K8sContainerRateMemNoCacheNode	Memory utilization (usage/node, excluding cache)	%	Always required dimensions: tke_cluster_insta workload_name Required dimens (one of which mu passed in): name node_role, node, un_instance_id, pod_name, container_name, container_id, workload_kind

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Parameter	Metric	Unit	Dimension
K8sContainerRateMemUsageNode	Memory utilization (usage/node)	%	Always required dimensions: tke_cluster_insta workload_name Required dimens (one of which mu passed in): name node_role, node, un_instance_id, pod_name, container_name, container_id, workload_kind
K8sContainerFsReadBytes	Block device read bandwidth	MB/s	Always required dimensions: tke_cluster_insta workload_name Required dimens (one of which mu passed in): name node_role, node, un_instance_id, pod_name, container_name, container_id, workload_kind
K8sContainerMemNoCacheBytes	Memory usage (excluding cache)	MB	Always required dimensions: tke_cluster_insta workload_name Required dimens (one of which mu passed in): name node_role, node, un_instance_id, pod_name, container_name, container_id, workload_kind

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Parameter	Metric	Unit	Dimension
K8sContainerNetworkReceivePackets	Network inbound packets	Count/s	Always required dimensions: tke_cluster_insta workload_name Required dimens (one of which mu passed in): name node_role, node, un_instance_id, pod_name, container_name, container_id, workload_kind
K8sContainerNetworkTransmitPackets	Network outbound packets	Count/s	Always required dimensions: tke_cluster_insta workload_name Required dimens (one of which mu passed in): name node_role, node, un_instance_id, pod_name, container_name, container_id, workload_kind
K8sContainerRateCpuCoreUsedRequest	CPU utilization (usage/request)	%	Always required dimensions: tke_cluster_insta workload_name Required dimens (one of which mu passed in): name node_role, node, un_instance_id, pod_name, container_name, container_id, workload_kind

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Parameter	Metric	Unit	Dimension
K8sContainerRateMemNoCacheRequest	Memory utilization (usage/request, excluding cache)	%	Always required dimensions: tke_cluster_insta workload_name Required dimens (one of which mu passed in): name node_role, node, un_instance_id, pod_name, container_name, container_id, workload_kind
K8sContainerRateMemUsageRequest	Memory utilization (usage/request)	%	Always required dimensions: tke_cluster_insta workload_name Required dimens (one of which mu passed in): name node_role, node, un_instance_id, pod_name, container_name, container_id, workload_kind
K8sContainerFsReadTimes	Number of block device reads	-	Always required dimensions: tke_cluster_insta workload_name Required dimens (one of which mu passed in): name node_role, node, un_instance_id, pod_name, container_name, container_id, workload_kind

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Parameter	Metric	Unit	Dimension
K8sContainerMemUsageBytes	MB	Always required dimensions: tke_cluster_instance_id, workload_name Required dimensions (one of which must be passed in): namespace, node_role, node, un_instance_id, pod_name, container_name, container_id, workload_kind	60s, 300s, 3600s, 86400s
K8sContainerNetworkTransmitBytes	Network outbound traffic	MB	Always required dimensions: tke_cluster_insta workload_name Required dimens (one of which mu passed in): name node_role, node, un_instance_id, pod_name, container_name, container_id, workload_kind
K8sContainerRateCpuCoreUsedLimit	CPU utilization (usage/limit)	%	Always required dimensions: tke_cluster_insta workload_name Required dimens (one of which mu passed in): name node_role, node, un_instance_id, pod_name, container_name, container_id, workload_kind

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Parameter	Metric	Unit	Dimension
K8sContainerRateMemNoCacheLimit	Memory utilization (usage/limit, excluding cache)	%	Always required dimensions: tke_cluster_insta workload_name Required dimens (one of which mu passed in): name node_role, node, un_instance_id, pod_name, container_name, container_id, workload_kind
K8sContainerRateMemUsageLimit	Memory utilization (usage/limit)	%	Always required dimensions: tke_cluster_insta workload_name Required dimens (one of which mu passed in): name node_role, node, un_instance_id, pod_name, container_name, container_id, workload_kind
K8sContainerFsWriteBytes	Block device write bandwidth	MB/s	Always required dimensions: tke_cluster_insta workload_name Required dimens (one of which mu passed in): name node_role, node, un_instance_id, pod_name, container_name, container_id, workload_kind

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Parameter	Metric	Unit	Dimension
K8sContainerRateGpuMemoryUsedNode	GPU memory utilization (usage/node)	%	Always required dimensions: tke_cluster_insta workload_name Required dimens (one of which mu passed in): name node_role, node, un_instance_id, pod_name, container_name, container_id, workload_kind
K8sContainerRateGpuMemoryUsedRequest	GPU utilization (usage/request)	%	Always required dimensions: tke_cluster_insta workload_name Required dimens (one of which mu passed in): name node_role, node, un_instance_id, pod_name, container_name, container_id, workload_kind
K8sContainerRateGpuUsedNode	GPU utilization (usage/node)	%	Always required dimensions: tke_cluster_insta workload_name Required dimens (one of which mu passed in): name node_role, node, un_instance_id, pod_name, container_name, container_id, workload_kind

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Parameter	Metric	Unit	Dimension
K8sContainerRateGpuUsedRequest	GPU utilization (usage/request)	%	Always required dimensions: tke_cluster_insta workload_name Required dimens (one of which mu passed in): name node_role, node, un_instance_id, pod_name, container_name, container_id, workload_kind
K8sContainerGpuMemoryUsedBytes	GPU memory usage	MB	Always required dimensions: tke_cluster_insta workload_name Required dimens (one of which mu passed in): name node_role, node, un_instance_id, pod_name, container_name, container_id, workload_kind
K8sContainerGpuUsed	Container GPU usage	MB	Always required dimensions: tke_cluster_insta workload_name Required dimens (one of which mu passed in): name node_role, node, un_instance_id, pod_name, container_name, container_id, workload_kind

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Statistical Granularity and Time Span

The supported time span varies by statistical granularity. When pulling monitoring data, you should keep in mind the time span restrictions as detailed below:

Statistical Granularity	Maximum Time Span (End Time - Start Time)
60s	12 hours
300s	3 days
3600s	30 days
86400s	186 days

Dimensions and Parameters

Parameter Name	Type	Dimension Name	Description	Format
Conditions.N.Dimensions.N.Name	Required	tke_cluster_instance_id	Dimension name of the cluster	Enter a string-type dimension name, s `tke_cluster_instar
Conditions.N.Dimensions.N.Value		tke_cluster_instance_id	Specific cluster ID	Enter a specific clu such as `cls-fvkxp
Conditions.N.Dimensions.N.Name		workload_name	Dimension name of the workload name	Enter a specific wo name, such as `workload_name`
Conditions.N.Dimensions.N.Value		workload_name	Specific workload name	Enter a specific wo name, such as `co
Conditions.N.Dimensions.N.Name	Required (one of which must be passed in)	namespace	Dimension name of the namespace	Enter a string-type dimension name, s `namespace`
Conditions.N.Dimensions.N.Value		namespace	Specific namespace	Enter a specific namespace, such `kube-system`

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Parameter Name	Type	Dimension Name	Description	Format
Conditions.N.Dimensions.N.Name		node_role	Dimension name of the cluster	Enter a string-type dimension name, s `node_role`
Conditions.N.Dimensions.N.Value		node_role	Specific node role	Enter a specific no such as `node`
Conditions.N.Dimensions.N.Name		node	Dimension name of the node name	Enter a specific wo name, such as `no
Conditions.N.Dimensions.N.Value		node	Specific node name	Enter a specific no name, such as `no
Conditions.N.Dimensions.N.Name		un_instance_id	Dimension name of the node ID	Enter a specific wo name, such as `un_instance_id`
Conditions.N.Dimensions.N.Value		un_instance_id	Specific node ID	Enter a specific no such as `ins-nwjhh
Conditions.N.Dimensions.N.Name		pod_name	Dimension name of the Pod name	Enter a specific wo name, such as `pod_name`
Conditions.N.Dimensions.N.Value		pod_name	Specific Pod name	Enter a specific Po such as `coredns-6ffc45f789-46lpq`
Conditions.N.Dimensions.N.Name		container_name	Dimension name of the container name	Enter a string-type dimension name, s `container_name`
Conditions.N.Dimensions.N.Value		container_name	Specific container name	Enter a specific co name, such as `co

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Parameter Name	Type	Dimension Name	Description	Format
Conditions.N.Dimensions.N.Name		container_id	Dimension name of the container ID	Enter a string-type dimension name, s `container_id`
Conditions.N.Dimensions.N.Value		container_id	Specific container ID	Enter a specific co ID, such as `containerd://a133l 5ecaada12cd5d5c f01fe8b7e692c378 ff0daf01ee6f35cbb
Conditions.N.Dimensions.N.Name		workload_kind	Dimension name of the workload type	Enter a specific wo name, such as `workload_kind`
Conditions.N.Dimensions.N.Value		workload_kind	Specific workload type	Enter a specific wo name, such as `Deployment`

Input Parameters

In the namespace dimension, use the following input parameters:

&Namespace=QCE/TKE2

&Conditions.N.Dimensions.0.Name=tke_cluster_instance_id

&Conditions.N.Dimensions.0.Value=cls-fvkxp123

&Conditions.N.Dimensions.1.Name=workload_name

&Conditions.N.Dimensions.1.Value=coredns

&Conditions.N.Dimensions.2.Name=namespace

&Conditions.N.Dimensions.2.Value=kube-system

In the node role dimension, use the following input parameters:

&Namespace=QCE/TKE2

&Conditions.N.Dimensions.0.Name=tke_cluster_instance_id

&Conditions.N.Dimensions.0.Value=cls-fvkxp123

&Conditions.N.Dimensions.1.Name=workload_name

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&Conditions.N.Dimensions.1.Value=coredns

&Conditions.N.Dimensions.2.Name=node_role

&Conditions.N.Dimensions.2.Value=node

In the node name dimension, use the following input parameters:

&Namespace=QCE/TKE2

&Conditions.N.Dimensions.0.Name=tke_cluster_instance_id

&Conditions.N.Dimensions.0.Value=cls-fvkxp123

&Conditions.N.Dimensions.1.Name=workload_name

&Conditions.N.Dimensions.1.Value=coredns

&Conditions.N.Dimensions.2.Name=node

&Conditions.N.Dimensions.2.Value=node

In the node ID dimension, use the following input parameters:

&Namespace=QCE/TKE2

&Conditions.N.Dimensions.0.Name=tke_cluster_instance_id

&Conditions.N.Dimensions.0.Value=cls-fvkxp123

&Conditions.N.Dimensions.1.Name=workload_name

&Conditions.N.Dimensions.1.Value=coredns

&Conditions.N.Dimensions.2.Name=un_instance_id

&Conditions.N.Dimensions.2.Value=ins-nwjhh123

In the Pod name dimension, use the following input parameters:

&Namespace=QCE/TKE2

&Conditions.N.Dimensions.0.Name=tke_cluster_instance_id

&Conditions.N.Dimensions.0.Value=cls-fvkxp123

&Conditions.N.Dimensions.1.Name=workload_name

&Conditions.N.Dimensions.1.Value=coredns

&Conditions.N.Dimensions.2.Name=pod_name

&Conditions.N.Dimensions.2.Value=coredns-6ffc45f789-46lpq

In the container name dimension, use the following input parameters:

&Namespace=QCE/TKE2

&Conditions.N.Dimensions.0.Name=tke_cluster_instance_id

&Conditions.N.Dimensions.0.Value=cls-fvkxp123

&Conditions.N.Dimensions.1.Name=workload_name

&Conditions.N.Dimensions.1.Value=coredns

&Conditions.N.Dimensions.2.Name=container_name

&Conditions.N.Dimensions.2.Value=coredns

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In the container ID dimension, use the following input parameters:

&Namespace=QCE/TKE2

&Conditions.N.Dimensions.0.Name=tke_cluster_instance_id

&Conditions.N.Dimensions.0.Value=cls-fvkxp123

&Conditions.N.Dimensions.1.Name=workload_name

&Conditions.N.Dimensions.1.Value=coredns

&Conditions.N.Dimensions.2.Name=container_id

&Conditions.N.Dimensions.2.Value=containerd://a133bd5ecaada12cd5d5df01fe8b7e692c3780a11b3ff0daf01ee6f35cbbdbdf

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GAAP
GAAP Origin Server Health Monitoring Metrics

Last updated：2020-07-14 16:26:45

Namespace

Namespace=QCE/QAAP

Monitoring Metrics

Parameter	Metric Name	Description	Unit	Dimension
ListenerRsStatus	Status of the origin server under the listener	Health of the origin server under the listener (0: unhealthy, 1: healthy)	N/A	channelId, listenerId, and originServerInfo

The statistical granularity (`period`) may vary by metric. The DescribeBaseMetrics API can be used to obtain the period supported by each metric.

Overview of the Parameters in Each Dimension

Parameter Name	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.0.Name	channelId	Dimension name of the acceleration connection ID	Enter a string-type dimension name, such as channelId
Instances.N.Dimensions.0.Value	channelId	A specific acceleration connection ID	Enter a specific acceleration connection ID, such as link-abcd1234

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Parameter Name	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.1.Name	listenerId	Dimension name of the listener ID	Enter a string-type dimension name, such as listenerId
Instances.N.Dimensions.1.Value	listenerId	A specific listener ID	Enter a specific listener ID, such as listener-1234abcd
Instances.N.Dimensions.2.Name	originServerInfo	Dimension name of the origin server information	Enter a string-type dimension name, such as originServerInfo
Instances.N.Dimensions.2.Value	originServerInfo	IP address or domain name of the origin server	Enter the IP address or domain name of the origin server, such as www.cloud.tencent.com

Input Parameters

To query the health monitoring data of a GAAP origin server, use the following input parameters:

&Namespace=QCE/QAAP
&Instances.N.Dimensions.0.Name=channelId
&Instances.N.Dimensions.0.Value=

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GAAP Channel Load Monitoring Metrics

Last updated：2020-07-14 16:26:46

Namespace

Namespace=QCE/QAAP

Monitoring Metrics

Metric	Description	Unit	Dimension
Connum	Concurrent connections	Count	channelId
Inbandwidth	Inbound bandwidth	Mbps	channelId
Outbandwidth	Outbound bandwidth	Mbps	channelId
InPackets	Inbound packets	Packets/sec	channelId
OutPackets	Outbound packets	Packets/sec	channelId
PacketLoss	Packet loss rate	%	channelId
Latency	Latency	ms	channelId

The statistical granularity (`period`) may vary by metric. The DescribeBaseMetrics API can be used to obtain the period supported by each metric.

Overview of the Parameters in Each Dimension

Parameter Name	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.0.Name	channelId	Dimension name of the acceleration connection ID	Enter a string-type dimension name, such as channelId

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Parameter Name	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.0.Value	channelId	A specific acceleration connection ID	Enter a specific acceleration connection ID, such as link-abcd1234

Input Parameters

To query the load monitoring data of a GAAP connection, use the following input parameters:

&Namespace=QCE/QAAP
&Instances.N.Dimensions.0.Name=channelId
&Instances.N.Dimensions.0.Value=

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CMQ
Topic Subscription Monitoring Metrics

Last updated：2020-07-14 16:26:46

Namespace

Namespace=QCE/CMQTOPIC

Monitoring Metrics

Metric	Description	Unit	Dimension
NumOfMsgPublished	Number of published messages	Count	topicId
NumOfMsgBatchPublished	Number of messages published in batches	Count	topicId
CountOfMsgPublished	Number of requests for published messages	Count	topicId
CountOfMsgBatchPublished	Number of requests for messages published in batches	Count	topicId
PublishSize	Size of published messages	MB	topicId
BatchPublishSize	Size of messages published in batches	MB	topicId
MsgHeapNum	Number of stored messages	Count	topicId
LanOuttraffic	Outbound traffic of private network requests	MB	topicId
WanOuttraffic	Outbound traffic of public network requests	MB	topicId
NumOfNotify	Total number of published messages	Count	topicId and subscriptionId
NumOfSuccNotify	Total number of messages published successfully	Count	topicId and subscriptionId

The statistical granularity (`period`) may vary by metric. The DescribeBaseMetrics API can be used to obtain the `period` supported by each metric.

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Overview of the Parameters in Each Dimension

Parameter Name	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.0.Name	topicId	Dimension name of the CMQ topic ID	Enter a string-type dimension name, such as topicId
Instances.N.Dimensions.0.Value	topicId	A specific CMQ topic ID	Enter a specific topic ID, such as topic-i4p4k0u0
Instances.N.Dimensions.1.Name	subscriptionId	Dimension name of the CMQ subscription ID	Enter a string-type dimension name, such as subscriptionId
Instances.N.Dimensions.1.Value	subscriptionId	A specific CMQ subscription ID. This field is required if the dimensions corresponding to the metric are `topicId` and `subscriptionId`	Enter a specific `subscriptionId`, such as test1

Input Parameters

To query the subscription monitoring data of a CMQ topic, use the following input parameters:

&Namespace= QCE/CMQTOPIC

&Instances.N.Dimensions.0.Name=topicId

&Instances.N.Dimensions.0.Value=

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Queue Service Monitoring Metrics

Last updated：2020-07-14 16:26:47

Namespace

Namespace=QCE/CMQ

Monitoring Metrics

Parameter	Metric Name	Description	Unit	Dimension
InvisibleMsgNum	Invisible messages in the queue	Number of invisible messages in the queue	Count	queueId and queueName
VisibleMsgNum	Visible messages in the queue	Number of visible messages in the queue	Count	queueId and queueName
SendMsgReqCount	Requests for sending messages	Number of requests for sending messages that a producer sends to the queue	Count	queueId and queueName
SendMsgNum	Sent messages	Number of messages that a producer sends to the queue	Count	queueId and queueName
RecvMsgReqCount	Requests for receiving messages	Number of requests for pulling messages that a consumer sends to the queue	Count	queueId and queueName
RecvMsgNum	Received messages	Number of messages that a consumer pulls from the queue	Count	queueId and queueName
RecvNullMsgNum	Received empty messages	Number of empty messages that a consumer pulls from the queue	Count	queueId and queueName

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Parameter	Metric Name	Description	Unit	Dimension
BatchRecvNullMsgNum	Empty messages received in batches	Number of empty messages that a consumer pulls from the queue in batches	Count	queueId and queueName
DelMsgReqCount	Requests for deleting messages	Number of requests for deleting messages that a consumer sends to the queue	Count	queueId and queueName
DelMsgNum	Deleted messages	Number of deleted messages	Count	queueId and queueName
SendMsgSize	Size of the messages sent	Size of the messages that a producer sends to the queue	MB	queueId and queueName
BatchSendMsgSize	Size of the messages sent in batches	Total size of the messages that a producer sends to the queue in batches	MB	queueId and queueName
BatchSendMsgReqCount	Requests for sending messages in batches	Number of requests for sending messages in batches that a producer sends to the queue	Count	queueId and queueName
BatchRecvMsgReqCount	Requests for receiving messages in batches	Number of requests for pulling messages in batches that a consumer sends to the queue	Count	queueId and queueName
BatchDelMsgReqCount	Requests for deleting messages in batches	Number of requests for deleting messages in batches	Count	queueId and queueName
MsgHeapNum	Heaped messages	Number of messages stored in the queue	Count	queueId and queueName
LanOuttraffic	Outbound traffic of private network requests	Outbound traffic of private network requests	MB	queueId and queueName

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Parameter	Metric Name	Description	Unit	Dimension
WanOuttraffic	Outbound traffic of public network requests	Outbound traffic of public network requests	MB	queueId and queueName

The statistical granularity (`period`) may vary by metric. The DescribeBaseMetrics API can be used to obtain the `period` supported by each metric.

Overview of the Parameters in Each Dimension

Parameter Name	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.0.Name	queueId	Dimension name of the CMQ queue ID	Enter a string-type dimension name, such as queueId
Instances.N.Dimensions.0.Value	queueId	A specific CMQ queue ID	Enter a specific CMQ queue ID, such as queue-3abkyggi
Instances.N.Dimensions.1.Name	queueName	Dimension name of the CMQ queue	Enter a string-type dimension name, such as queueName
Instances.N.Dimensions.1.Value	queueName	A specific CMQ queue name	Enter a specific CMQ queue name, such as test1

Input Parameters

To query the monitoring data of a CMQ queue, use the following input parameters:

&Namespace=QCE/CMQ

&Instances.N.Dimensions.0.Name=queueId

&Instances.N.Dimensions.0.Value=

&Instances.N.Dimensions.1.Name=queueName

&Instances.N.Dimensions.1.Value=

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API Gateway

Last updated：2021-06-08 16:24:24

Namespace

Namespace=QCE/APIGATEWAY

Metric Name

Parameter	Metric Name	Description	Calculation Method	Unit
NumOfReq	Number of requests	Number of requests passing the API gateway	Sum based on the selected time granularity	Times
SucceReq	Number of valid calls	Number of valid call requests passing the API gateway	Sum based on the selected time granularity	Times
OutTraffic	Public outbound traffic	Traffic of public packets sent by the API gateway	Sum based on the selected time granularity	MB
InTraffic	Private outbound traffic	Traffic of private packets sent by the API gateway	Sum based on the selected time granularity	MB
ResponseTime	Response time	Time used by the API gateway to respond to a request	Average value based on the selected time granularity	ms
ClientError	Number of client errors	Number of invalid requests sent to the API gateway by the client, such as authentication failures or exceeding the upper limit	Sum based on the selected time granularity	Times

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Parameter	Metric Name	Description	Calculation Method	Unit
ServerError	Number of backend server errors	Number of status codes greater than or equal to 400 returned by the real server after the API gateway forwards messages to the real server	Sum based on the selected time granularity	Times
ConcurrentConnections	Number of concurrent connections	Number of current persistent connections of the API gateway	Average value based on the selected time granularity	Count
Serviceservererror404	Number of backend 404 errors	Number of errors where the requested resource is not found on the real server	Sum based on the selected time granularity	Times
Serviceservererror502	Number of server 502 errors	Number of errors where an invalid response is received by the real server when the API gateway attempts to execute a backend request	Sum based on the selected time granularity	Times

- Monitoring metrics of the API gateway support all dimensions. You can choose the dimensions of the monitoring metrics based on the Dimension Description.
- The statistical granularity (`period`) may vary by metric. The DescribeBaseMetrics API can be used to obtain the period supported by each metric.

Overview of the Parameters in Each Dimension

Parameter Name	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.0.Name	serviceId	Dimension name of the API gateway service ID	Enter a string-type dimension name, such as serviceId
Instances.N.Dimensions.0.Value	serviceId	A specific API gateway service ID	Enter a specific service ID, such as service-12345jy

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Parameter Name	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.1.Name	environmentName	Environment dimension name	Enter a string-type dimension name, such as environmentName
Instances.N.Dimensions.1.Value	environmentName	A specific environment name	Enter an environment name, such as release, test, or repub
Instances.N.Dimensions.2.Name	apiid/key	Dimension name of the APIid or the SecretKey	Enter a string-type dimension name, such as apiid or key
Instances.N.Dimensions.2.Value	apiid/secretid	A specific APIid or SecretId	Enter a specific APIid or SecretId

Dimensions

The API gateway provides the combinations of monitoring data in the following three dimensions: environment, API, and key pair (SecretId and SecretKey).

The following describes how to query the combinations of the API gateway in three dimensions:

1. Values of the input parameters at the environment dimension

&Namespace=QCE/APIGATEWAY
&Instances.N.Dimensions.0.Name=serviceId
&Instances.N.Dimensions.0.Value=
&Instances.N.Dimensions.1.Name=environmentName
&Instances.N.Dimensions.1.Value=

2. Values of the input parameters at the API dimension

&Namespace=QCE/APIGATEWAY
&Instances.N.Dimensions.0.Name=serviceId
&Instances.N.Dimensions.0.Value=
&Instances.N.Dimensions.1.Name=environmentName
&Instances.N.Dimensions.1.Value=
&Instances.N.Dimensions.2.Name=apiid
&Instances.N.Dimensions.2.Value=

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3. Values of the input parameters at the key pair dimension (for allowed users only)

&Namespace=QCE/APIGATEWAY

&Instances.N.Dimensions.0.Name=serviceId

&Instances.N.Dimensions.0.Value=

&Instances.N.Dimensions.1.Name=environmentName

&Instances.N.Dimensions.1.Value=

&Instances.N.Dimensions.2.Name=key

&Instances.N.Dimensions.2.Value=

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Elasticsearch

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Namespace

Namespace=QCE/CES

Monitoring Metrics

Parameter	Metric Name	Calculation Method	Description	Unit	Dimension	Statisti Granul (Perioc
Status	Cluster health status	Latest status of the ES cluster in the statistical period	Cluster health status: 0: green, 1: yellow, 2: red	-	uInstanceId	60 sec and 30 secs
DiskUsageAvg	Average disk usage	Average disk usage of each node in the ES cluster in the statistical period	Average disk usage of each node in the ES cluster	%	uInstanceId	60 sec and 30 secs
DiskUsageMax	Maximum disk usage	Maximum disk usage of each node in the ES cluster in the statistical period	Maximum disk usage of each node in the ES cluster	%	uInstanceId	60 sec and 30 secs

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Parameter	Metric Name	Calculation Method	Description	Unit	Dimension	Statisti Granul (Perioc
JvmMemUsageAvg	Average JVM memory usage	Average JVM memory usage of each node in the ES cluster in the statistical period	Average JVM memory usage of each node in the ES cluster	%	uInstanceId	60 sec and 30 secs
JvmMemUsageMax	Maximum JVM memory usage	Maximum JVM memory usage of each node in the ES cluster in the statistical period	Maximum JVM memory usage of each node in the ES cluster	%	uInstanceId	60 sec and 30 secs
JvmOldMemUsageAvg	Average JVM old memory usage	Average JVM old memory usage of each node in the ES cluster in the statistical period	Average JVM old memory usage of each node in the ES cluster	%	uInstanceId	60 sec and 30 secs

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Parameter	Metric Name	Calculation Method	Description	Unit	Dimension	Statisti Granul (Perioc
JvmOldMemUsageMax	Maximum JVM old memory usage	Maximum JVM old memory usage of each node in the ES cluster in the statistical period	Maximum JVM old memory usage of each node in the ES cluster	%	uInstanceId	60 sec and 30 secs
CpuUsageAvg	Average CPU utilization	Average CPU utilization of each node in the ES cluster in the statistical period	Average CPU utilization of each node in the ES cluster	%	uInstanceId	60 sec and 30 secs
CpuUsageMax	Maximum CPU utilization	Maximum CPU utilization of each node in the ES cluster in the statistical period	Maximum CPU utilization of each node in the ES cluster	%	uInstanceId	60 sec and 30 secs
CpuLoad1minAvg	Average CPU load of the cluster per minute	Average CPU load per minute of each node in the ES cluster in the statistical period	Average CPU load per minute of each node in the ES cluster	-	uInstanceId	60 sec and 30 secs

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Parameter	Metric Name	Calculation Method	Description	Unit	Dimension	Statisti Granul (Perioc
CpuLoad1minMax	Maximum CPU load of the cluster per minute	Maximum CPU load per minute of each node in the ES cluster in the statistical period	Maximum CPU load per minute of each node in the ES cluster	-	uInstanceId	60 sec and 30 secs
IndexLatencyAvg	Average write latency	Average write latency of the ES cluster in the statistical period	Average write latency of the ES cluster	ms	uInstanceId	60 sec and 30 secs
IndexLatencyMax	Maximum write latency	Maximum write latency of the ES cluster in the statistical period	Maximum write latency of the ES cluster	ms	uInstanceId	60 sec and 30 secs
SearchLatencyAvg	Average query latency	Average query latency of the ES cluster in the statistical period	Average query latency of the ES cluster	ms	uInstanceId	60 sec and 30 secs

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Parameter	Metric Name	Calculation Method	Description	Unit	Dimension	Statisti Granul (Perioc
SearchLatencyMax	Maximum query latency	Maximum query latency of the ES cluster in the statistical period	Maximum query latency of the ES cluster	ms	uInstanceId	60 sec and 30 secs
IndexSpeed	Write speed	Average write speed of the ES cluster in the statistical period	Average write speed of the ES cluster	Times/sec	uInstanceId	60 sec and 30 secs
SearchCompletedSpeed	Query speed	Average query speed of the ES cluster in the statistical period	Average query speed of the ES cluster	Times/sec	uInstanceId	60 sec and 30 secs
BulkRejected CompletedPercent	Bulk rejection rate	Percentage of rejected bulk operations to all bulk operations in the ES cluster in the statistical period	Percentage of rejected bulk operations to all bulk operations	%	uInstanceId	60 sec and 30 secs

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Parameter	Metric Name	Calculation Method	Description	Unit	Dimension	Statisti Granul (Perioc
SearchRejected CompletedPercent	Query rejection rate	Percentage of rejected query operations to all query operations in the ES cluster in the statistical period	Percentage of rejected query operations to all query operations	%	uInstanceId	60 sec and 30 secs
IndexDocs	Total number of documents	Average of the total number of documents in the ES cluster in the statistical period	Total number of documents in the ES cluster	Count	uInstanceId	60 sec and 30 secs
AutoSnapshotStatus	Execution status of the automatic backup task in the ES cluster	Status of the last executed automatic backup task in the ES cluster in the statistical period	Execution status of the automatic backup task in the ES cluster	-	uInstanceId	300 se

Note：
The statistical granularity (`period`) may vary by metric. The DescribeBaseMetrics API can be used to get the `period` supported by each metric.

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Overview of Parameters in Each Dimension

Parameter Name	Dimension Name	Dimension Description	Format
Instances.N.Dimensions.0.Name	uInstanceId	Dimension name of the ES instance ID	Enter a string-type dimension name, such as uInstanceId
Instances.N.Dimensions.0.Value	uInstanceId	A specific ES instance ID	Enter a specific instance ID, such as es-example

Input Parameters

To query the monitoring data of the Elasticsearch Service, use the following input parameters:

&Namespace=QCE/CES

&Instances.N.Dimensions.0.Name=uInstanceId

&Instances.N.Dimensions.0.Value=Specific ES instance ID

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WAF

Last updated：2022-10-11 17:57:37

Namespace

Namespace=QCE/WAF

> Note：
> Always select "Guangzhou" as `Region` when pulling WAF monitoring metric data.

Monitoring Metrics

Parameter	Metric Name	Unit	Dimension
Access	Total access attempts	Count	domain, edition
Attack	Web attacks	Count	domain, edition
Cc	CC attacks	Count	domain, edition
Down	Downstream bandwidth	Byte/sec	domain, edition
Qps	Requests per second	Count	domain, edition
Up	Upstream bandwidth	Byte/sec	domain, edition
4xx	4xx status code	Count	domain, edition
5xx	5xx status code	Count	domain, edition
U4xx	Origin server 4xx status code	Count	domain, edition
U5xx	Origin server 5xx status code	Count	domain, edition
Bot	Bot attacks	Count	domain, edition
Ratio5xx	5XX percentage	%	domain, edition
Ratio4xx	4XX percentage	%	domain, edition

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Parameter	Metric Name	Unit	Dimension
RatioAttack	Web attack percentage	%	domain, edition
RatioBot	Bot attack percentage	%	domain, edition
RatioCc	CC attack percentage	%	domain, edition
InBandwidth	Inbound bandwidth	MB	domain, edition
OutBandwidth	Outbound bandwidth	MB	domain, edition
MetricnameCustomSecurity	Number of custom policy attacks	Count	domain, edition

Dimensions and Parameters

Parameter	Dimension	Dimension Description	Format
Instances.N.Dimensions.0.Name	domain	Dimension name of the domain name in the client attack	Enter a string-type dimension name, such as `domain`
Instances.N.Dimensions.0.Value	domain	Domain name in the client attack	Enter the domain name in the client attack, such as `www.cloud.tencent.com`
Instances.N.Dimensions.1.Name	edition	Dimension name of the WAF instance type	Enter a string-type dimension name, such as `edition`
Instances.N.Dimensions.1.Value	edition	Type of the WAF instance	Enter a type of the WAF instance, such as `SaaS WAF` (with input parameter value being 0) or `CLB WAF` (with input parameter value being 1)

Input Parameters

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Values of the input parameters for pulling WAF monitoring data:

&Namespace=QCE/WAF

&Instances.N.Dimensions.0.Name = `domain`

&Instances.N.Dimensions.0.Value = Domain name in the client attack

&Instances.N.Dimensions.1.Name = `edition`

&Instances.N.Dimensions.1.Value = Type of the WAF instance

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CLS

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Namespace

Namespace=QCE/CLS

Monitoring Metrics

Parameter	Metric	Unit	Dimension	Statistical Period
TrafficWrite	Write traffic	MB	uin, TopicId	60s, 300s, 3600s, 86400s
TrafficIndex	Index traffic	MB	uin, TopicId	60s, 300s, 3600s, 86400s
TrafficIntranetRead	Private network read traffic	MB	uin, TopicId	60s, 300s, 3600s, 86400s
TrafficInternetRead	Public network read traffic	MB	uin, TopicId	60s, 300s, 3600s, 86400s
TotalTrafficRead	Total read traffic	MB	uin, TopicId	60s, 300s, 3600s, 86400s
StorageLog	Log storage size	MB	uin, TopicId	60s, 300s, 3600s, 86400s
StorageIndex	Index storage size	MB	uin, TopicId	60s, 300s, 3600s, 86400s
TotalStorage	Total storage size	MB	uin, TopicId	60s, 300s, 3600s, 86400s
Request	Number of service requests	-	uin, TopicId	60s, 300s, 3600s, 86400s

Overview of Parameters in Each Dimension

Parameter	Dimension	Description	Format
Instances.N.Dimensions.0.Name	uin	Dimension name of the account ID	Enter a string-type dimension name: uin
Instances.N.Dimensions.0.Value	uin	Specific account ID	Enter an account ID, such as 10000xxx0827

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Parameter	Dimension	Description	Format
Instances.N.Dimensions.1.Name	TopicId	Dimension name of the log topic ID	Enter a string-type dimension name: TopicId
Instances.N.Dimensions.1.Value	TopicId	Specific log topic ID	Enter a log topic ID, such as 4d1a2931-0038-4fb6-xxxx-bf29449e255a

Input Parameter Description

To query the monitoring data of log topic metrics, use the following input parameters:

&Namespace=QCE/CLS

&Instances.N.Dimensions.0.Name=uin

&Instances.N.Dimensions.0.Value=Specific account ID

&Instances.N.Dimensions.1.Name=TopicId

&Instances.N.Dimensions.1.Value=Specific log topic ID

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