CloudAudit

Product Introduction

Product Documentation
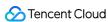
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Product Introduction
Overview

Last updated：2024-01-24 16:28:19

Overview

CloudAudit is used to perform supervision, compliance check, operation review, and risk review for your Tencent Cloud account. It records logs, and monitors and records account activities associated with operations performed through Tencent Cloud console, APIs, command line tools, and other services in the Tencent Cloud infrastructure. The records will help you conduct security analysis, resource change tracking, and troubleshooting.

How It Works

CloudAudit will be enabled when you create a Tencent Cloud account. An activity under your Tencent Cloud account will be recorded as an event by CloudAudit. You can view event records on the **Operation Record** page of the CloudAudit console.

On this page, you can view and search for your Tencent Cloud account activities in the last 30 days. You can also create a CloudAudit tracking set to archive, analyze, and respond to changes in your Tencent Cloud resources. A tracking set is used to specify a COS bucket to store event records. You can create a tracking set via CloudAudit console or APIs.

> Note：
> You can specify a COS bucket of any supported region for both operation records and tracking sets.

CloudAudit can directly access other Tencent Cloud services, record user operations on service resources, and display the latest TencentCloud API operation records. Thus, CloudAudit can well replace any existing operation log features.

Two types of operations can be performed on event records:

- Creating and storing event records
  When you perform operations such as addition, deletion, or modification on a service which CloudAudit can access, such as elastic CVM, CBS, or TCR, the service will automatically record the operations and results and then send

the event record file in the specified format to CloudAudit for archiving. The CloudAudit console retains operation records for the last 30 days.

- Querying event records

  You can select a time period and other filters on the **Operation Record** page to query operation records for the last 30 days.

  A tracking set is a log application associated with CloudAudit when the service is activated. It contains types, paths, and other information of operation logs. It allows you to create a directory of operation records for the last 30 days.

Strengths

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Why Tencent CloudAudit?

Strength	Description
Security analysis and troubleshooting	After registering a Tencent Cloud account, you can log in to Tencent Cloud CloudAudit via the console or APIs to avoid information leakage. When setting log content, you can encrypt the content. CloudAudit helps you discover and resolve security and operational issues by capturing a holistic picture of change history in your Tencent Cloud account during a specific time period.
Simplified compliance	CloudAudit enables automatic generation and storage of event logs of the operations performed in your Tencent Cloud account, making it easier to conduct compliance reviews. It also allows you to search for non-compliance events in all log data more conveniently and speed up incident investigations and response to auditors' requests.
Visibility into user and resource activities	CloudAudit improves the visibility into user and resource activities by recording the operations on Tencent Cloud services and API calls. It can identify the users and accounts that call Tencent Cloud services, source IP addresses from which calls are initiated, and the time when calls are executed.

CloudAudit's Strengths over Traditional Audit

Strengths	Description
High efficiency	CloudAudit stores users' operation data in Tencent Cloud, eliminating the need to import the data to your computers. Through Tencent Cloud services, the computing tasks that would otherwise be executed on local machines are pushed to the server, which assigns the tasks to available computers across the entire network of Tencent Cloud, and returns the received results to your local machine, thus significantly saving time.
High compatibility	With CloudAudit, data and programs are stored in Tencent Cloud. The design, maintenance, and upgrade of audit programs are no longer undertaken by you, but are completely taken care of by professional cloud software providers, which greatly improves the compatibility of audit software.

Strengths	Description
Data sharing	All the collected user information, captured and generated data are no longer stored in blocks on the user side, but are classified and stored in a single resource platform. CloudAudit allows you to query all the collected data and information at any time and share the audit information timely to avoid redundant work.
Timeliness	You can keep track of the operation progress and check logs as needed. You can also learn more about your operation behaviors and report the problems encountered in the operation process to administrators timely. In addition, you will be kept up to date on others' work progress to facilitate the sharing of information and methods.
Monitoring	CloudAudit can help administrators get a holistic picture of each user's operations timely and focus on subsequent tasks in a more targeted manner. Administrators can also monitor each user's operating conditions in real time, and users can monitor each other to improve the audit quality.
Compliance	By effectively recording all the operations under a Tencent Cloud account in real time, CloudAudit can pinpoint problems or faults and manage deployment changes for traceability, thus ensuring the security and compliance of your business running in Tencent Cloud.

Features

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CloudAudit provides operation record, tracking set, and record export among other features.

Operation Record

CloudAudit records operations performed under a Tencent Cloud account in the last 30 days.

- **Operation record list**
  You can view the operation records and their event time, username, event name, resource type, and resource name.
- **Operation record details**
  You can also view details of an operation, including the key ID, region, error code, event ID, event name, event source, event generation time, request ID, source IP address, and username.

Tracking Set

Tracking set is an enhanced feature of the operation record. It tracks operations performed by customers' staff on their assets and thus ensures asset security. It contains types, paths, and other information of operation logs. When a tracking set is enabled, it stores operation logs under your account to the specified bucket. If it is disabled, it will not store operation logs to the bucket.

Tracking set settings

CloudAudit ships operation logs to the specified COS bucket every five minutes. Currently, you can only use a tracking set to specify buckets in Beijing, Shanghai, and Hong Kong (China) regions for log storage.
Moreover, you can create and delete tracking sets, edit their configurations, and disable operation log recording.

> Note：
> During the beta test of CloudAudit, you can create up to 5 tracking sets.

Tracking set advanced settings

Setting log file prefix

You can set a log file prefix to specify the log storage path in a COS bucket.

Both the specified bucket name and file prefix are included in the log file path. One log file is generated every hour.

For example, if the specified bucket is "audit" bucket and the file prefix is "myaudit", your CloudAudit log storage path will be:

```
audit/myaudit/${YYYYMMDDH}/xxxxxxxxxxxxx ("xxxxxxxxxxxxx" is the file name)
```

Use Cases

Last updated：2024-01-24 16:28:19

Security Analysis

When a security problem occurs in your Tencent Cloud account or resources, the log maintained by CloudAudit can help you analyze the root cause. For example, all account logins, login time, source IP addresses, and usage of multi-factor authentication are logged, through which you can easily determine whether your account has security issues.

Resource Change Recording

When your resources change exceptionally, the operation logs maintained by CloudAudit can help you identify the root cause. For example, when you find that a CVM instance is down, you can locate the corresponding operation time and source IP address through CloudAudit to analyze the initiated shutdown.

Compliance Review

If your organization has multiple members and Tencent Cloud CAM has been used to manage their identities, then in order to meet your organization's requirements of compliance review, you need to get a detailed record of each member's operations. The operational event logs maintained by CloudAudit make it easy to satisfy such requirements.

CloudAudit-Enabled Services and APIs Overview

Last updated：2024-01-24 16:32:06

CloudAudit supports recording operations and API calls in the following Tencent Cloud services:

Computing

Service Name	Abbreviation in Logs
Cloud Virtual Machine	cvm
Auto Scaling	as
BatchCompute	batch

Container

Service Name	Abbreviation in Logs
Tencent Kubernetes Engine	tke
Tencent Container Registry	tcr
Cloud Log Service	cls

Network

Service Name	Abbreviation in Logs
Cloud Load Balancer	clb
Virtual Private Cloud	vpc
Direct Connect	dc

Storage

Service Name	Abbreviation in Logs
Cloud Object Storage	cos
Cloud File Storage	cfs
Cloud Storage Gateway	csg

Database

Service Name	Abbreviation in Logs
TencentDB for MySQL	cdb
TencentDB for MariaDB	mariadb
TencentDB for SQL Server	sqlserver
TencentDB for MongoDB	mongodb
Tencent Distributed SQL	dcdb
TencentDB for Redis	redis
TcaplusDB	tcaplusdb
TencentDB for DBbrain	dbbrain
Data Transmission Service	dts

CDN and Acceleration

Service Name	Abbreviation in Logs
Content Delivery Network	cdn
Enterprise Content Delivery Network	ecdn
Global Application Acceleration Platform	gaap

Serverless

Service Name	Abbreviation in Logs
Serverless Cloud Function	scf
Serverless Framework	sls

Middleware

Service Name	Abbreviation in Logs
Cloud Kafka	ckafka
API Gateway	apigw

Video Services

Service Name	Abbreviation in Logs
Tencent Real-Time Communication	trtc
Live Video Broadcasting	live
Video on Demand	vod

Data Processing

Service Name	Abbreviation in Logs
Cloud Infinite	ci

Big Data Platform

Service Name	Abbreviation in Logs
Elastic MapReduce	emr

Elasticsearch Service	es

Security Management

Service Name	Abbreviation in Logs
Security Operations Center	ssa

Data Security

Service Name	Abbreviation in Logs
Key Management Service	kms

Application Security

Service Name	Abbreviation in Logs
Web Application Firewall	waf

Management and Audit

Service Name	Abbreviation in Logs
Cloud Access Management	cam
CloudAudit	cloudaudit

Cloud Resource Management

Service Name	Abbreviation in Logs
Tag	tag

Management and Support

Service Name	Abbreviation in Logs
Account	account

Cloud Communications

Service Name	Abbreviation in Logs
Tencent Push Notification Service）	tpns
Short Message Service	consolesms

Gaming Services

Service Name	Abbreviation in Logs
Game Multimedia Engine	gme

Education Services

Service Name	Abbreviation in Logs
Tencent Interactive Whiteboard	tiw

Computing

CVM

Last updated：2024-01-24 16:32:06

Tencent Cloud Virtual Machine (CVM) provides secure and reliable elastic computing services. Within just a few minutes, you can get and activate your CVM instances in Tencent Cloud to implement your computing needs. As your business needs change, you can add or remove computing resources in real time. CVM is pay-as-you-go, saving your computing costs. With CVM, you can greatly reduce your software and hardware purchase costs and simplify IT OPS. CVM operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Changing public IP	cvm	AdjustPublicAddress
Applying for EIP v3	cvm	AllocateAddresses
Creating CDH instance	cvm	AllocateHosts
Rolling back CBS snapshot	cvm	ApplySnapshot
Binding EIP v3	cvm	AssociateAddress
Binding key v3	cvm	AssociateInstancesKeyPairs
Associating instance with security group v3	cvm	AssociateSecurityGroups
Mounting cloud disk	cvm	AttachCbsStorages
Binding automatic snapshot policy	cvm	BindAutoSnapshotPolicy
Cold-Migrating service to instance	cvm	ColdMigrateInstance
Creating automatic snapshot policy	cvm	CreateAutoSnapshotPolicy
Purchasing cloud disk	cvm	CreateCbsStorages
Creating image v3	cvm	CreateImage
Creating key v3	cvm	CreateKeyPair
Creating security group	cvm	CreateSecurityGroup
Creating security group rule	cvm	CreateSecurityGroupPolicy

Creating CBS snapshot	cvm	CreateSnapshot
Deleting automatic snapshot policy	cvm	DeleteAutoSnapshotPolicies
Deleting the security configuration of user cloud disk	cvm	DeleteDiskSecurityConfigurations
Deleting image v3	cvm	DeleteImages
Deleting key v3	cvm	DeleteKeyPairs
Deleting security group	cvm	DeleteSecurityGroup
Deleting security group rule	cvm	DeleteSecurityGroupPolicy
Deleting CBS snapshot	cvm	DeleteSnapshot
Querying EIP v3	cvm	DescribeAddresses
Querying block storage	cvm	DescribeAllBlockStorages
Viewing automatic snapshot policy	cvm	DescribeAutoSnapshotPolicies
Querying bound automatic snapshot policy	cvm	DescribeCbsAssociatedAsp
Querying cloud disk	cvm	DescribeCbsStorages
Querying the security configuration of user cloud disk	cvm	DescribeDiskSecurityConfigurations
Querying independent host v3	cvm	DescribeHosts
Querying image v3	cvm	DescribeImages
Querying image sharing v3	cvm	DescribeImageSharePermission
Querying instance bandwidth configuration	cvm	DescribeInstanceInternetBandwidthConfigs
Querying instance attribute	cvm	DescribeInstancesAttribute
Viewing the number of cloud disks that can be mounted to CVM instance	cvm	DescribeInstancesCbsNum
Viewing the list of instance operation limits	cvm	DescribeInstancesDeniedActions
Querying whether the server can be returned	cvm	DescribeInstancesReturnable
Querying instance status v3	cvm	DescribeInstancesStatus
Querying the URL of instance management client	cvm	DescribeInstanceVncUrl

Querying key list v3	cvm	DescribeKeyPairs
Querying the number of resources bound to security group	cvm	DescribeSecurityGroupAssociateInstances
Querying security group list	cvm	DescribeSecurityGroupEx
Querying security group quota	cvm	DescribeSecurityGroupLimits
Querying security group rule	cvm	DescribeSecurityGroupPolicy
DescribeSecurityGroupPolicys	cvm	DescribeSecurityGroupPolicys
Querying security group	cvm	DescribeSecurityGroups
Querying CBS snapshot	cvm	DescribeSnapshots
Unmounting cloud disk	cvm	DetachCbsStorages
Unbinding EIP v3	cvm	DisassociateAddress
Unbinding key v3	cvm	DisassociateInstancesKeyPairs
Dissociating instance form security group v3	cvm	DisassociateSecurityGroups
Entering rescue mode	cvm	EnterRescueMode
Exiting the hot migration of service	cvm	ExitLiveMigrateInstance
Exiting rescue mode	cvm	ExitRescueMode
Migrating service to data disk	cvm	ImportCbs
Importing key v3	cvm	ImportKeyPair
Querying CBS snapshot price	cvm	InquirySnapshotPrice
Querying cloud disk price	cvm	InquiryStoragePrice
Hot-Migrating service to instance	cvm	LiveMigrateInstance
Modifying EIPv3	cvm	ModifyAddressAttribute
Adjusting EIP bandwidth v3	cvm	ModifyAddressesBandwidth
Modifying automatic snapshot policy	cvm	ModifyAutoSnapshotPolicy
Setting auto-renewal flag for CBS instance	cvm	ModifyCbsRenewFlag

Modifying cloud disk attribute	cvm	ModifyCbsStorageAttributes
Modifying the security configuration of user cloud disk	cvm	ModifyDiskSecurityConfigurations
Modifying CDH instance attribute	cvm	ModifyHostsAttribute
Modifying image v3	cvm	ModifyImageAttribute
Setting image sharing v3	cvm	ModifyImageSharePermission
Switching network billing mode	cvm	ModifyInstanceInternetChargeType
Modifying instance attribute	cvm	ModifyInstancesAttribute
Modifying instance project	cvm	ModifyInstancesProject
Modifying instance renewal flag	cvm	ModifyInstancesRenewFlag
Modifying key v3	cvm	ModifyKeyPairAttribute
Modifying security group attribute	cvm	ModifySecurityGroupAttributes
Modifying security group rules	cvm	ModifySecurityGroupPolicys
Modifying security group rule	cvm	ModifySingleSecurityGroupPolicy
Modifying CBS snapshot attribute	cvm	ModifySnapshot
Terminating CVM instance v3	cvm	PurgeInstances
Restarting CVM instance v3	cvm	RebootInstances
Releasing EIP v3	cvm	ReleaseAddresses
Renewing cloud disk	cvm	RenewCbsStorage
Renewing CDH instance	cvm	RenewHosts
Renewing CVM instance	cvm	RenewInstances
Reinstalling CVM instance v3	cvm	ResetInstance
Adjusting the bandwidth upper limit of instance v3	cvm	ResetInstancesInternetMaxBandwidth
Modifying instance password v3	cvm	ResetInstancesPassword
Adjusting CVM instance configuration v3	cvm	ResetInstancesType

Expanding cloud disk capacity	cvm	ResizeCbsStorage
Expanding the data disk capacity of CVM instance v3	cvm	ResizeInstanceDisks
Creating CVM instance v3	cvm	RunInstances
Starting CVM instance v3	cvm	StartInstances
Disabling CVM instance v3	cvm	StopInstances
Syncing image v3	cvm	SyncImages
Terminating CBS instance	cvm	TerminateCbsStorages
Deleting CVM instance v3	cvm	TerminateInstances
Unbinding automatic snapshot policy	cvm	UnbindAutoSnapshotPolicy

AS

Last updated：2024-01-24 16:32:06

Tencent Cloud Auto Scaling (AS) provides efficient policies for managing computing resources. With AS, you can set intervals to regularly execute management policies. You can also create real-time monitoring policies to automatically add or remove CVM instances based on the real-time needs and deploy the instance environment, so as to ensure the stable operation of your business and minimize costs. With auto scaling policies, applications with stable and regular needs can be automatically managed, enabling you to get rid of problems such as business traffic surges and CC attacks; resources for applications with irregular needs can also be expanded within minutes based on the business load, keeping the number of instances in your cluster always appropriate.

AS operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Adding CVM instance to scaling group	as	AttachInstances
Completing lifecycle action	as	CompleteLifecycleAction
Creating scaling group	as	CreateAutoScalingGroup
Creating launch configuration	as	CreateLaunchConfiguration
Creating lifecycle hook	as	CreateLifecycleHook
Creating notification	as	CreateNotificationConfiguration
Creating alarm trigger policy	as	CreateScalingPolicy
Creating scheduled task	as	CreateScheduledAction
Deleting scaling group	as	DeleteAutoScalingGroup
Deleting launch configuration	as	DeleteLaunchConfiguration
Deleting lifecycle hook	as	DeleteLifecycleHook
Deleting notification	as	DeleteNotificationConfiguration
Deleting alarm trigger policy	as	DeleteScalingPolicy
Deleting scheduled task	as	DeleteScheduledAction
Querying scaling activity	as	DescribeAutoScalingActivities
Querying the last scaling activity of scaling	as	DescribeAutoScalingGroupLastActivities

group		
Querying scaling group	as	DescribeAutoScalingGroups
Querying instance	as	DescribeAutoScalingInstances
Querying launch configuration	as	DescribeLaunchConfigurations
Querying lifecycle hook	as	DescribeLifecycleHooks
Querying notification	as	DescribeNotificationConfigurations
Querying alarm trigger policy	as	DescribeScalingPolicies
Querying scheduled task	as	DescribeScheduledActions
Removing CVM instance from scaling group	as	DetachInstances
Disabling scaling group	as	DisableAutoScalingGroup
Enabling scaling group	as	EnableAutoScalingGroup
Triggering scaling policy	as	ExecuteScalingPolicy
Modifying scaling group	as	ModifyAutoScalingGroup
Modifying the desired capacity	as	ModifyDesiredCapacity
Modifying launch configuration attribute	as	ModifyLaunchConfigurationAttributes
Modifying the CLB instance of scaling group	as	ModifyLoadBalancers
Modifying notification	as	ModifyNotificationConfiguration
Modifying alarm trigger policy	as	ModifyScalingPolicy
Modifying scheduled task	as	ModifyScheduledAction
Deleting CVM instance from scaling group	as	RemoveInstances
Setting instance removal protection	as	SetInstancesProtection
Disabling CVM instance in scaling group	as	StopAutoScalingInstances
Upgrading lifecycle hook	as	UpgradeLifecycleHook

BatchCompute

Last updated：2024-01-24 16:32:06

Tencent Cloud BatchCompute enables you to run batch computing workloads on CVM instances. It is a common way for developers, scientists, and engineers to access large amounts of computing resources, which eliminates the need of tedious configuration and management of required infrastructure. Just like traditional batch computing software, it can efficiently configure resources in advance in response to submitted tasks so as to remove capacity constraints, reduce computing costs, and deliver results more quickly.

BatchCompute operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Creating compute environment	batch	CreateComputeEnv
Creating CPM compute environment	batch	CreateCpmComputeEnv
Creating task template	batch	CreateTaskTemplate
Deleting compute environment	batch	DeleteComputeEnv
Deleting job	batch	DeleteJob
Deleting task template	batch	DeleteTaskTemplates
Viewing compute environment information	batch	DescribeComputeEnv
Viewing information about activities in compute environment	batch	DescribeComputeEnvActivities
Viewing compute environment list	batch	DescribeComputeEnvs
Viewing job information	batch	DescribeJob
Viewing job list	batch	DescribeJobs
Viewing job submission information	batch	DescribeJobSubmitInfo
Viewing task information	batch	DescribeTask
Getting task log details	batch	DescribeTaskLogs
Querying task template	batch	DescribeTaskTemplates
Modifying compute environment	batch	ModifyComputeEnv

Modifying task template	batch	ModifyTaskTemplate
Submitting job	batch	SubmitJob
Terminating job	batch	TerminateJob
Terminating task instance	batch	TerminateTaskInstance

Container
TKE

Last updated：2024-01-24 16:32:06

Based on native Kubernetes, Tencent Kubernetes Engine (TKE) is a container-oriented, highly scalable, and high-performance container management service. It is fully compatible with the native Kubernetes APIs and adds Tencent Cloud's Kubernetes plugins such as CBS and CLB. It provides containerized applications with a complete set of features ranging from efficient deployment and resource scheduling to service discovery and dynamic scaling, which solves environment consistency issues in the process of development, testing, and OPS, makes it much easier to manage large-scale container clusters, and helps reduce costs and improve efficiency.
TKE operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Adding existing node	tke	AddExistedInstances
Canceling application installation	tke	CancelClusterRelease
Opening cluster access port	tke	CreateClusterEndpoint
Opening the port for access over public network of managed cluster	tke	CreateClusterEndpointVip
Adding (or creating) cluster node	tke	CreateClusterInstances
Creating application in cluster	tke	CreateClusterRelease
Deleting cluster	tke	DeleteCluster
Deleting cluster scaling group	tke	DeleteClusterAsGroups
Deleting cluster access port	tke	DeleteClusterEndpoint
Deleting the port for access over public network of managed cluster	tke	DeleteClusterEndpointVip
Deleting cluster node	tke	DeleteClusterInstances
Querying cluster scaling group attribute	tke	DescribeClusterAsGroupOption
Querying cluster scaling group list	tke	DescribeClusterAsGroups
Querying the status of cluster access port	tke	DescribeClusterEndpointStatus

Querying the openness status of the port for access over public network of managed cluster	tke	DescribeClusterEndpointVipStatus
Querying cluster node	tke	DescribeClusterInstances
Querying application being installed	tke	DescribeClusterPendingReleases
Querying cluster application details	tke	DescribeClusterReleaseDetails
Querying installed application in cluster	tke	DescribeClusterReleases
Querying cluster key	tke	DescribeClusterSecurity
Draining node	tke	DrainClusterNode
Modifying cluster scaling group attribute	tke	ModifyClusterAsGroupAttribute
Modifying cluster scaling attribute	tke	ModifyClusterAsGroupOptionAttribute
Modifying cluster attribute	tke	ModifyClusterAttribute
Modifying the security group of the port for access over public network for managed cluster	tke	ModifyClusterEndpointSP
Deleting installed application	tke	UninstallClusterRelease
Upgrading cluster authorization mode	tke	UpgradeClusterAuthorizationMode
Upgrading application	tke	UpgradeClusterRelease
Deleting image repositories in batches	ccr	BatchDeleteRepository
Deleting image tags in batches	ccr	BatchDeleteTag
Creating image repository namespace	ccr	CreateCCRNamespace
Creating image repository	ccr	CreateRepository
Adding node	ccs	AddClusterInstances
Adding existing CVM instance to cluster	ccs	AddClusterInstancesFromExistedCvm
Checking for cluster route table conflict	ccs	CheckClusterRouteTableCidrConflict
Creating cluster	ccs	CreateCluster
Creating cluster namespace	ccs	CreateClusterNamespace
Creating cluster route	ccs	CreateClusterRoute

Creating cluster route table	ccs	CreateClusterRouteTable
Creating service	ccs	CreateClusterService
Creating CLB instance	ccs	CreateIngress
Creating log collector	ccs	CreateLogCollector
Deleting cluster	ccs	DeleteCluster
Deleting cluster namespace	ccs	DeleteClusterNamespace
Deleting cluster route	ccs	DeleteClusterRoute
Deleting cluster route table	ccs	DeleteClusterRouteTable
Deleting service	ccs	DeleteClusterService
Deleting instance	ccs	DeleteInstances
Deleting log collector	ccs	DeleteLogCollector
Pulling cluster list	ccs	DescribeCluster
Pulling cluster container list	ccs	DescribeClusterContainer
Pulling server list	ccs	DescribeClusterInstances
Pulling namespace list	ccs	DescribeClusterNamespaces
Pulling the request and limit information of cluster	ccs	DescribeClusterRequestLimitInfo
Querying cluster route	ccs	DescribeClusterRoute
Querying cluster route table	ccs	DescribeClusterRouteTable
Pulling service list	ccs	DescribeClusterService
Pulling service details	ccs	DescribeClusterServiceInfo
Pulling the list of layer-7 CLB instances	ccs	DescribeIngress
Getting container log	ccs	DescribeInstanceLog
Pulling service event list	ccs	DescribeServiceEvent
Pulling instance list	ccs	DescribeServiceInstance
Enabling cluster log service	ccs	EnableLogDaemon

Getting log collector	ccs	GetLogCollector
Getting the enablement status of cluster log service	ccs	GetLogDaemonStatus
Listing log collectors	ccs	ListLogCollector
Setting whether the cluster node is schedulable	ccs	ModifyClusterNodeSchedulable
Modifying service	ccs	ModifyClusterService
Modifying cluster service image	ccs	ModifyClusterServiceImage
Updating the number of instances	ccs	ModifyServiceReplicas
Modifying CLB instance	ccs	MosifyIngress
Redeploying service	ccs	RedeployClusterService
Rolling back service	ccs	RollbackClusterService

TCR

Last updated：2024-01-24 16:32:06

Tencent Container Registry (TCR) is an on-cloud container image hosting service provided by Tencent Cloud. It supports Docker images, Helm chart storage and distribution, and image security scanning and provides fine-grained access permission management and network access control for organizational users. It supports global image sync and triggering, so organizational users can expand their business globally and implement workflow CI/CD with containers. It offers large-scale container clusters with over 1,000 nodes to pull large gigabyte-level images concurrently, ensuring ultra-fast business deployment. With TCR, you can enjoy a secure and efficient image hosting and distribution service in the cloud with no need to build and maintain such service on your own. In addition, TCR can be used together with TKE to deliver a smoother on-cloud container user experience.

TCR operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Deleting image tags in batches	tcr	BatchDeleteImagePersonal
Deleting image repositories in batches	tcr	BatchDeleteRepositoryPersonal
Creating Enterprise Edition instance	tcr	CreateInstance
Getting temporary login password	tcr	CreateInstanceToken
Creating namespace	tcr	CreateNamespacePersonal
Creating image repository for Personal Edition instance	tcr	CreateRepositoryPersonal
Creating public network access policy	tcr	CreateSecurityPolicy
Deleting the automatic global image tag clearance policy of Personal Edition instance	tcr	DeleteImageLifecycleGlobalPersonal
Deleting image tag	tcr	DeleteImagePersonal
Deleting instance	tcr	DeleteInstance
Deleting long-term access credential	tcr	DeleteInstanceToken
Deleting namespace	tcr	DeleteNamespacePersonal
Deleting image repository	tcr	DeleteRepositoryPersonal
Deleting the allowed public network access policy of	tcr	DeleteSecurityPolicy

instance		
Querying long-term access credential information	tcr	DescribeInstanceToken
Managing instance public network access	tcr	ManageExternalEndpoint
Setting the automatic global image tag clearance policy of Personal Edition instance	tcr	ManageImageLifecycleGlobalPersonal
Managing VPC access over private network for instance	tcr	ManageInternalEndpoint
Managing instance sync	tcr	ManageReplication
Updating the long-term access credential of instance	tcr	ModifyInstanceToken

CLS

Last updated：2024-01-24 16:32:06

Cloud Log Service (CLS) is a one-stop log data solution. After quickly and easily connecting to it (which takes about 5 minutes), you can enjoy comprehensive, stable, and reliable log services such as log capture, storage, content search, statistics collection, and analysis with no need to care about resource scaling. It helps you locate business problems, monitor metrics, perform security audit, and solve other log problems, greatly lowering your log OPS threshold. CLS operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Consumer heartbeat	cls	consumerGroupHeartBeat
Creating chart	cls	CreateChart
Creating consumer group	cls	createConsumerGroup
Creating dashboard	cls	CreateDashboard
Creating logset	cls	createLogset
Creating server group	cls	createMachineGroup
Creating shipping configuration	cls	createShipper
Creating log topic	cls	createTopic
Deleting chart	cls	DeleteChart
Deleting consumer group	cls	deleteConsumerGroup
Deleting dashboard	cls	DeleteDashboard
Deleting logset	cls	deleteLogset
Deleting server group	cls	deleteMachineGroup
Deleting shipping configuration	cls	deleteShipper
Deleting log topic	cls	deleteTopic
Getting consumer group cursor	cls	getConsumerGroupCursor
Getting log cursor	cls	getCursor
Getting dashboard information	cls	GetDashboard

Getting fast analysis result	cls	GetFastAnalysis
Getting the histogram of the number of logs	cls	GetHistogram
Getting index configuration	cls	getIndex
Getting logset details	cls	getLogset
Getting server group details	cls	getMachineGroup
Getting server status	cls	getMachineStatus
Getting shipping configuration details	cls	getShipper
Getting log topic details	cls	getTopic
Getting chart list	cls	ListChart
Getting consumer group list	cls	listConsumerGroup
Getting dashboard list	cls	ListDashboard
Getting logset list	cls	listLogset
Getting server group list	cls	listMachineGroup
Getting topic partition list	cls	listPartitions
Getting shipping configuration list	cls	listShipper
Getting shipping task list	cls	listShipperTask
Getting log topic list	cls	listTopic
Modifying chart	cls	ModifyChart
Modifying consumer group	cls	modifyConsumerGroup
Modifying consumer group cursor	cls	modifyConsumerGroupCursor
Modifying index configuration	cls	modifyIndex
Modifying logset	cls	modifyLogset
Modifying server group	cls	modifyMachineGroup
Modifying shipping configuration	cls	modifyShipper
Modifying log topic	cls	modifyTopic

Splitting/Merging topic partition	cls	updatePartition

Network

CLB

Last updated：2024-01-24 16:49:30

Tencent Cloud Load Balancer (CLB) is a secure and fast traffic distribution service. Inbound traffic can be automatically distributed to multiple CVM instances in the cloud through CLB, improving service capabilities systematically and eliminating single points of failure. CLB supports hundreds of millions of connections and tens of millions of concurrent requests, making it easy to handle high-traffic access and meet demanding business needs. CLB operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Binding target group	clb	AssociateTargetGroups
Automatically rewriting	clb	AutoRewrite
Unbinding real servers in batches	clb	BatchDeregisterTargets
Binding real servers in batches	clb	BatchRegisterTargets
Creating layer-4 CLB listener	clb	CreateForwardLBFourthLayerListeners
Creating forwarding rule for layer-7 listener	clb	CreateForwardLBListenerRules
Creating layer-7 CLB listener	clb	CreateForwardLBSeventhLayerListeners
Creating CLB listener	clb	CreateListener
Creating CLB instance	clb	CreateLoadBalancer
Creating CLB listeners	clb	CreateLoadBalancerListeners
Adding SNAT IP	clb	CreateLoadBalancerSnatIps
Creating forwarding rule for layer-7 CLB listener	clb	CreateRule
Creating target group	clb	CreateTargetGroup
Deleting CLB listener (layer-4 and layer-7)	clb	DeleteForwardLBListener
Deleting layer-7 CLB listener rule	clb	DeleteForwardLBListenerRules

Deleting CLB listener	clb	DeleteListener
Deleting CLB instance	clb	DeleteLoadBalancer
Deleting CLB listeners	clb	DeleteLoadBalancerListeners
Deleting CLB instances	clb	DeleteLoadBalancers
Deleting SNAT IP	clb	DeleteLoadBalancerSnatIps
Deleting redirection relationship	clb	DeleteRewrite
Deleting layer-7 CLB listener rule	clb	DeleteRule
Deleting target group	clb	DeleteTargetGroups
Unbinding CVM instance from layer-7 listener	clb	DeregisterInstancesFromForwardLB
Unbinding instance from layer-4 CLB listener	clb	DeregisterInstancesFromForwardLBFourthListener
Unbinding real server	clb	DeregisterInstancesFromLoadBalancer
Removing instance from target group	clb	DeregisterTargetGroupInstances
Unbinding real server registered with CLB listener	clb	DeregisterTargets
Unbinding real server from classic CLB instance	clb	DeregisterTargetsFromClassicalLB
Querying the real server information of CLB instance	clb	DescribeAllLBBackends
Getting the real server health status of classic CLB instance	clb	DescribeClassicalLBHealthStatus
Getting classic CLB listener list	clb	DescribeClassicalLBListeners
Getting the list of real servers bound to classic CLB instance	clb	DescribeClassicalLBTargets
Querying associated instance	clb	DescribeForwardLBBackends
Querying the health check result of CLB instance	clb	DescribeForwardLBHealthStatus
Querying CLB listener	clb	DescribeForwardLBListeners

Querying the health status of CLB instance	clb	DescribeLBHealthStatus
Querying CLB listener list	clb	DescribeListeners
Getting the list of real servers of CLB instance	clb	DescribeLoadBalancerBackends
Getting CLB listener list	clb	DescribeLoadBalancerListeners
Pulling the application layer log of CLB instance	clb	DescribeLoadBalancerLog
Getting CLB instance list	clb	DescribeLoadBalancers
Querying CLB instance details	clb	DescribeLoadBalancersDetail
Querying redirection relationship	clb	DescribeRewrite
Getting the list of instances bound to target group	clb	DescribeTargetGroupInstances
Getting target group list	clb	DescribeTargetGroupList
Getting target group information	clb	DescribeTargetGroups
Querying the health status of real server	clb	DescribeTargetHealth
Querying the list of CVM instances bound to CLB instance	clb	DescribeTargets
Unbinding target group	clb	DisassociateTargetGroups
Customizing redirection	clb	ManualRewrite
Modifying the domain name in layer-7 forwarding rule	clb	ModifyDomain
Modifying the domain name attribute in layer-7 listener	clb	ModifyDomainAttributes
Modifying the port of real server bound to layer-4 CLB listener	clb	ModifyForwardFourthBackendsPort
Modifying the weight of real server bound to layer-4 CLB listener	clb	ModifyForwardFourthBackendsWeight
Modifying layer-4 CLB listener attribute	clb	ModifyForwardLBFourthListener

Renaming application CLB instance	clb	ModifyForwardLBName
Modifying layer-7 listener attribute	clb	ModifyForwardLBSeventhListener
Modifying real server weight	clb	ModifyForwardSeventhBackends
Changing real server port	clb	ModifyForwardSeventhBackendsPort
Upgrading/Degrading configuration of pay-as-you-go CLB instance	clb	ModifyLBNetwork
Modifying project ID	clb	ModifyLBProjectId
Modifying CLB listener attribute	clb	ModifyListener
Modifying CLB instance attribute	clb	ModifyLoadBalancerAttributes
Modifying real server weight of CLB instance	clb	ModifyLoadBalancerBackends
Modifying CLB listener	clb	ModifyLoadBalancerListener
Modifying health check configuration of forwarding rule	clb	ModifyLoadBalancerRulesProbe
Modifying CLB listener forwarding rule	clb	ModifyRule
Modifying target group attribute	clb	ModifyTargetGroupAttribute
Modifying instance port in target group	clb	ModifyTargetGroupInstancesPort
Modifying instance weight in target group	clb	ModifyTargetGroupInstancesWeight
Modifying the port of real server bound to listener	clb	ModifyTargetPort
Modifying the forwarding weight of real server bound to listener	clb	ModifyTargetWeight
Binding instance to layer-4 CLB listener	clb	RegisterInstancesWithForwardLBFourthListener
Binding instance to layer-7 listener	clb	RegisterInstancesWithForwardLBSeventhListener
Binding real server to CLB instance	clb	RegisterInstancesWithLoadBalancer
Adding instance to target group	clb	RegisterTargetGroupInstances
Binding real server to listener	clb	RegisterTargets
Binding real server to classic CLB	clb	RegisterTargetsWithClassicalLB

instance		
Replacing old certificate with new one	clb	ReplaceCert
Modifying the custom configuration of CLB instance	clb	SetCustomizedConfigForLoadBalancer
Setting CLB log service topic	clb	SetLoadBalancerClsLog
Setting the cross-region attribute of CLB instance	clb	SetLoadBalancerCrossRegion
Starting CLB logging	clb	SetLoadBalancerLog
Binding CLB instance to security group	clb	SetLoadBalancerSecurityGroups
Binding security group to CLB instance	clb	SetSecurityGroupForLoadbalancers
Setting security group	clb	SetSecurityGroups

DC

Last updated：2024-01-24 16:49:30

Tencent Cloud Direct Connect (DC) enables you to easily connect your organizational IDC to Tencent Cloud. You can use DC to build a private connection service completely isolated from the public network. Compared with public network, DC boasts advantages such as higher security, stability, and bandwidth and lower latency. All you need to do is connect to Tencent Cloud through one ISP connection. After that, you can quickly create multiple dedicated tunnels to access your computing resources deployed in Tencent Cloud, implementing a flexible and reliable hybrid cloud deployment. In addition, various billing modes of DC can help you save connection usage costs in different scenarios. DC operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Creating connection	dc	CreateDirectConnect
Creating dedicated tunnel for internet access	dc	CreatePublicDirectConnectTunnel
Deleting connection	dc	DeleteDirectConnect
Querying connection access point	dc	DescribeAccessPoints
Getting connection list	dc	DescribeDirectConnects
Updating connection attribute	dc	ModifyDirectConnectAttribute

VPC

Last updated：2024-01-24 16:49:30

Virtual Private Cloud (VPC) is a private network space in Tencent Cloud that provides network services for your Tencent Cloud resources. A VPC is logically isolated from others, where you can customize the network environment, route table, security policies, etc. In addition, it can be connected to the internet, other VPCs, and your local IDC in various means, helping you easily deploy cloud-based network connectivity.

VPC operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
CCN accepts instance association	vpc	AcceptAttachCcnInstances
Accepting intra-region peering connection	vpc	AcceptVpcPeeringConnection
Accepting cross-region peering connection	vpc	AcceptVpcPeeringConnectionEx
Adding shared bandwidth package resource	vpc	AddBandwidthPackageResources
Adding the DNAT policy of NAT gateway	vpc	AddDnaptRule
Creating customer gateway	vpc	AddUserGw
Creating VPN tunnel	vpc	AddVpnConnEx
ENI applies for private IP	vpc	AssignPrivateIpAddresses
Binding EIP to NAT gateway	vpc	AssociateNatGatewayAddress
Associating network ACL with subnet	vpc	AssociateNetNetwork ACLworkAclSubnets
Modifying route table associated with subnet	vpc	AssociateRouteTable
Associating CCN instance with network instance	vpc	AttachCcnInstances
Creating Classiclink between VPC and classic network device	vpc	AttachClassicLinkVpc
Binding ENI to CVM instance	vpc	AttachNetworkInterface

Checking for secondary CIDR block conflict	vpc	CheckAssistantCidr
Checking whether the default subnet can be created	vpc	CheckDefaultSubnet
Querying whether traffic monitoring is enabled for the gateway	vpc	CheckGatewayFlowMonitor
Verifying network detection status	vpc	CheckNetDetectState
Creating IP address	vpc	CreateAddress
Creating IP address group	vpc	CreateAddressGroup
Creating ENI and binding it to CVM instance	vpc	CreateAndAttachNetworkInterface
Creating secondary CIDR block	vpc	CreateAssistantCidr
Creating shared bandwidth package	vpc	CreateBandwidthPackage
Creating CCN instance	vpc	CreateCcn
Creating Direct Connect gateway	vpc	CreateDirectConnectGateway
Creating the IDC IP range of Direct Connect gateway in CCN type	vpc	CreateDirectConnectGatewayCcnRoutes
Adding flow log	vpc	CreateFlowLog
Creating HAVIP	vpc	CreateHaVip
Adding local destination IP port translation	vpc	CreateLocalDestinationIPPortTranslationNatRule
Adding ACL policy for local IP translation	vpc	CreateLocalIPTranslationAclRule
Adding local IP translation	vpc	CreateLocalIPTranslationNatRule
Adding ACL policy for local source IP port translation	vpc	CreateLocalSourceIPPortTranslationAclRule
Adding local source IP port translation	vpc	CreateLocalSourceIPPortTranslationNatRule
Creating NAT gateway	vpc	CreateNatGateway
Creating the port forwarding rule of	vpc	CreateNatGatewayDestinationIpPortTranslationNatRule

NAT gateway		
Creating network ACL	vpc	CreateNetworkAcl
Creating ENI	vpc	CreateNetworkInterface
Adding opposite IP translation	vpc	CreatePeerIPTranslationNatRule
Adding routing policy	vpc	CreateRoute
Creating route table	vpc	CreateRouteTable
Creating security group	vpc	CreateSecurityGroup
Creating protocol port	vpc	CreateService
Creating protocol port group	vpc	CreateServiceGroup
Creating subnet	vpc	CreateSubnet
Binding network ACL to subnet	vpc	CreateSubnetAclRule
Creating traffic mirror	vpc	CreateTrafficMirror
Creating VPC	vpc	CreateVpc
Creating intra-region peering connection	vpc	CreateVpcPeeringConnection
Creating cross-region peering connection	vpc	CreateVpcPeeringConnectionEx
Deleting IP address	vpc	DeleteAddress
Deleting IP address group	vpc	DeleteAddressGroup
Deleting secondary CIDR block	vpc	DeleteAssistantCidr
Deleting shared bandwidth package	vpc	DeleteBandwidthPackage
Deleting CCN instance	vpc	DeleteCcn
Deleting Direct Connect gateway	vpc	DeleteDirectConnectGateway
Deleting the IDC IP range of Direct connect gateway in CCN type	vpc	DeleteDirectConnectGatewayCcnRoutes
Deleting flow log	vpc	DeleteFlowLog
Deleting HAVIP	vpc	DeleteHaVip

Deleting local destination IP port translation	vpc	DeleteLocalDestinationIPPortTranslationNatRule
Deleting ACL policy for local IP translation	vpc	DeleteLocalIPTranslationAclRule
Deleting local IP translation	vpc	DeleteLocalIPTranslationNatRule
Deleting ACL policy for local source IP port translation	vpc	DeleteLocalSourceIPPortTranslationAclRule
Deleting local source IP port translation	vpc	DeleteLocalSourceIPPortTranslationNatRule
Deleting NAT gateway	vpc	DeleteNatGateway
Deleting the port forwarding rule of NAT gateway	vpc	DeleteNatGatewayDestinationIpPortTranslationNatRule
Deleting network ACL	vpc	DeleteNetworkAcl
Deleting ENI	vpc	DeleteNetworkInterface
Deleting opposite IP translation	vpc	DeletePeerIPTranslationNatRule
Deleting routing policy	vpc	DeleteRoute
Deleting route table	vpc	DeleteRouteTable
Deleting protocol port	vpc	DeleteService
Deleting protocol port group	vpc	DeleteServiceGroup
Deleting subnet	vpc	DeleteSubnet
Deleting traffic mirror	vpc	DeleteTrafficMirror
Deleting customer gateway	vpc	DeleteUserGw
Deleting VPC	vpc	DeleteVpc
Deleting intra-region peering connection	vpc	DeleteVpcPeeringConnection
Deleting cross-region peering connection	vpc	DeleteVpcPeeringConnectionEx
Deleting VPN tunnel	vpc	DeleteVpnConn

Deleting VPN gateway v2	vpc	DeleteVpnGw
Querying account network attribute	vpc	DescribeAccountVpcAttributes
Querying network ACL list	vpc	DescribeAcl
Querying IP address list	vpc	DescribeAddress
Querying IP address group	vpc	DescribeAddressGroups
Querying secondary CIDR block list	vpc	DescribeAssistantCidr
Querying the bandwidth package quota of specified region	vpc	DescribeBandwidthPackageQuota
Querying shared bandwidth package	vpc	DescribeBandwidthPackages
Querying the list of network instances associated with CCN instance	vpc	DescribeCcnAttachedInstances
Querying the outbound bandwidth upper limit of all regions of CCN instance	vpc	DescribeCcnRegionBandwidthLimits
Querying CCN instance routing policy	vpc	DescribeCcnRoutes
Querying CCN instance list	vpc	DescribeCcns
Querying Direct Connect gateway	vpc	DescribeDirectConnectGateway
Querying the IDC IP range of Direct connect gateway in CCN type	vpc	DescribeDirectConnectGatewayCcnRoutes
Querying Direct Connect gateway	vpc	DescribeDirectConnectGateways
Querying flow log list	vpc	DescribeFlowLogs
Querying whether traffic monitoring is enabled for the gateway	vpc	DescribeGatewayMonitor
Querying the upper limit of visiting IP bandwidth	vpc	DescribeGatewayQos
Querying HAVIP list	vpc	DescribeHaVips
Querying the local destination IP port translation of Direct Connect gateway	vpc	DescribeLocalDestinationIPPortTranslationNatRule
Querying local IP translation ACL rule	vpc	DescribeLocalIPTranslationAclRule

Querying the local IP translation of Direct Connect gateway	vpc	DescribeLocalIPTranslationNatRule
Querying local IP port translation ACL rule	vpc	DescribeLocalSourceIPPortTranslationAclRule
Querying the local source IP port translation of Direct Connect gateway	vpc	DescribeLocalSourceIPPortTranslationNatRule
Querying high-availability gateway	vpc	DescribeNatGateway
Querying NAT gateway v3	vpc	DescribeNatGateways
Querying network detection list	vpc	DescribeNetDetects
Querying the list of network detection verification results	vpc	DescribeNetDetectStates
Querying network ACL list	vpc	DescribeNetworkAcls
Querying ENI IP quota	vpc	DescribeNetworkInterfaceAttribute
Querying ENI information	vpc	DescribeNetworkInterfaces
Querying the opposite IP translation of Direct connect gateway	vpc	DescribePeerIPTranslationNatRule
Querying the list of routing policy conflicts	vpc	DescribeRouteConflicts
Querying routing policy	vpc	DescribeRoutes
Querying route table	vpc	DescribeRouteTable
Querying protocol port list	vpc	DescribeService
Querying protocol port group	vpc	DescribeServiceGroups
Querying SSL VPN	vpc	DescribeSSLVpn
Querying subnet attribute	vpc	DescribeSubnet
Viewing subnet list	vpc	DescribeSubnetEx
Querying parameter template quota	vpc	DescribeTemplateLimits
Querying traffic mirror	vpc	DescribeTrafficMirrors
Querying customer gateway	vpc	DescribeUserGw

Querying Classiclink between VPC and classic network device	vpc	DescribeVpcClassicLink
Querying VPC list	vpc	DescribeVpcEx
Querying CVM instance information	vpc	DescribeVpcInstances
Querying VPC limit information	vpc	DescribeVpcLimit
Getting VPC quota	vpc	DescribeVpcLimits
Querying VPC peering connection	vpc	DescribeVpcPeeringConnections
Querying task execution result	vpc	DescribeVpcTaskResult
Querying VPN tunnel	vpc	DescribeVpnConn
Querying VPN gateway	vpc	DescribeVpnGw
Dissociating CCN instance from network instance	vpc	DetachCcnInstances
Deleting Classiclink between VPC and classic network CVM instance	vpc	DetachClassicLinkVpc
Unbinding ENI from CVM instance	vpc	DetachNetworkInterface
Unbinding network ACL from subnet	vpc	DeteleSubnetAclRule
Disabling CCN route	vpc	DisableCcnRoutes
Disabling gateway traffic monitoring	vpc	DisableGatewayFlowMonitor
Disabling subnet route	vpc	DisableRoutes
Unbinding EIP from NAT gateway	vpc	DisassociateNatGatewayAddress
Disassociating network ACL from subnet	vpc	DisassociateNetworkAclSubnets
Binding NAT gateway to EIP	vpc	EipBindNatGateway
Unbinding NAT gateway from EIP	vpc	EipUnBindNatGateway
Enabling CCN route	vpc	EnableCcnRoutes
Enabling gateway traffic monitoring	vpc	EnableGatewayFlowMonitor
Enabling subnet route	vpc	EnableRoutes

Enabling expired cross-region peering connection	vpc	EnableVpcPeeringConnectionEx
Querying the bandwidth information of CCN regions	vpc	GetCcnRegionBandwidthLimits
Getting the product information for creating CCN bandwidth	vpc	GetCreateCcnBandwidthDeal
Getting the DNAT policy of NAT gateway	vpc	GetDnaptRule
Querying the discount allowlist of cross-region communication	vpc	GetPeerWhiteList
Binding HAVIP to EIP	vpc	HaVipAssociateAddressIp
Unbinding HAVIP from EIP	vpc	HaVipDisassociateAddressIp
Querying price when creating cross-region CCN bandwidth	vpc	InquiryPriceCreateCcnBandwidth
Querying price for CCN instance bandwidth renewal	vpc	InquiryPriceRenewCcnBandwidth
Querying price when modifying cross-region CCN bandwidth	vpc	InquiryPriceUpdateCcnBandwidth
Migrating ENI	vpc	MigrateNetworkInterface
Migrating private IP	vpc	MigratePrivateIpAddress
Editing IP address attribute	vpc	ModifyAddressAttribute
Editing IP address group attribute	vpc	ModifyAddressGroupAttribute
Modifying secondary CIDR block	vpc	ModifyAssistantCidr
Modifying shared bandwidth package attribute	vpc	ModifyBandwidthPackageAttribute
Modifying CCN attribute	vpc	ModifyCcnAttribute
Modifying the bandwidth limit policy of postpaid product	vpc	ModifyCcnRegionBandwidthLimitsType
Modifying Direct Connect gateway attribute	vpc	ModifyDirectConnectGatewayAttribute

Modifying flow log attribute	vpc	ModifyFlowLogAttribute
Modifying HAVIP attribute	vpc	ModifyHaVipAttribute
Modifying the local destination IP port translation of Direct Connect gateway	vpc	ModifyLocalDestinationIPPortTranslationNatRule
Modifying local IP translation ACL rule	vpc	ModifyLocalIPTranslationAclRule
Modifying the local IP translation of Direct Connect gateway	vpc	ModifyLocalIPTranslationNatRule
Modifying local IP port translation ACL rule	vpc	ModifyLocalSourceIPPortTranslationAclRule
Modifying the local source IP port translation of Direct Connect gateway	vpc	ModifyLocalSourceIPPortTranslationNatRule
Modifying NAT gateway	vpc	ModifyNatGateway
Modifying NAT gateway attribute	vpc	ModifyNatGatewayAttribute
Modifying the port forwarding rule of NAT gateway	vpc	ModifyNatGatewayDestinationIpPortTranslationNatRule
Changing network detection	vpc	ModifyNetDetect
Modifying network ACL attribute	vpc	ModifyNetworkAclAttribute
Modifying network ACL rule	vpc	ModifyNetworkAclEntries
Setting ACL rule	vpc	ModifyNetworkAclEntry
Modifying ENI	vpc	ModifyNetworkInterface
Modifying the opposite IP translation of Direct Connect gateway	vpc	ModifyPeerIPTranslationNatRule
Modifying ENI private IP attribute	vpc	ModifyPrivateIpAddress
Replacing routing policy	vpc	ModifyRoute
Modifying route table	vpc	ModifyRouteTableAttribute
Modifying protocol port attribute	vpc	ModifyServiceAttribute
Modifying protocol port group attribute	vpc	ModifyServiceGroupAttribute

Modifying subnet attribute	vpc	ModifySubnetAttribute
Modifying traffic mirror	vpc	ModifyTrafficMirrorAttribute
Modifying customer gateway	vpc	ModifyUserGw
Modifying VPC attribute	vpc	ModifyVpcAttribute
Modifying intra-region peering connection attribute	vpc	ModifyVpcPeeringConnection
Modifying cross-region peering connection attribute	vpc	ModifyVpcPeeringConnectionEx
Modifying VPN tunnel	vpc	ModifyVpnConnEx
Modifying VPN gateway attribute	vpc	ModifyVpnGw
Rejecting associating CCN instance with network instance	vpc	RejectAttachCcnInstances
Rejecting intra-region peering connection	vpc	RejectVpcPeeringConnection
Rejecting cross-region peering connection	vpc	RejectVpcPeeringConnectionEx
Modifying the bandwidth of shared bandwidth package	vpc	RemoveBandwidthPackageResources
Modifying the IDC IP range of Direct connect gateway in CCN type	vpc	ReplaceDirectConnectGatewayCcnRoutes
Adjusting the concurrent connection upper limit of NAT gateway	vpc	ResetNatGatewayConnection
Updating the target information of traffic mirror user	vpc	ResetTrafficMirrorTarget
Resetting VPN tunnel SA	vpc	ResetVpnConnSA
Setting the outbound bandwidth upper limit of all regions of CCN instance	vpc	SetCcnRegionBandwidthLimits
Enabling traffic mirror	vpc	StartTrafficMirror
Disabling traffic mirror	vpc	StopTrafficMirror

Returning the private IP of ENI	vpc	UnassignPrivateIpAddresses
Updating traffic mirror filter rule or capture object	vpc	UpdateTrafficMirrorAllFilter

Storage
CFS

Last updated：2024-01-24 16:49:30

Cloud File Storage (CFS) provides a scalable shared file storage service that can be used with Tencent Cloud services such as CVM. CFS offers standard NFS file system access protocol as well as shared data sources for multiple CVM instances. It supports elastic capacity and performance scaling. Your existing applications can be mounted for use without modification required. As a highly available and reliable distributed file system, CFS is suitable for various scenarios such as big data analysis, media processing, and content management.
CFS operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Adding file system	cfs	CreateCfsFileSystem
Creating permission group	cfs	CreateCfsPGroup
Creating permission group rule	cfs	CreateCfsRule
Deleting file system	cfs	DeleteCfsFileSystem
Deleting permission group	cfs	DeleteCfsPGroup
Deleting permission group rule	cfs	DeleteCfsRule
Deleting mount target	cfs	DeleteMountTarget
Querying file system	cfs	DescribeCfsFileSystems
Querying permission group list	cfs	DescribeCfsPGroups
Querying permission group rule list	cfs	DescribeCfsRules
Querying KMS key	cfs	DescribeKmsKeys
Querying file system mount target	cfs	DescribeMountTargets
Activating CFS	cfs	SignUpCfsService
Updating file system name	cfs	UpdateCfsFileSystemName
Updating the permission group of file system	cfs	UpdateCfsFileSystemPGroup
Updating file system space limit	cfs	UpdateCfsFileSystemSizeLimit

Updating permission group information	cfs	UpdateCfsPGroup
Updating permission group rule	cfs	UpdateCfsRule

COS

Last updated：2024-01-24 16:49:30

Cloud Object Storage (COS) is a powerful Tencent Cloud distributed storage service that features low costs and high scalability, reliability, and security. It enables you to store a huge number of files. You can easily and quickly access it to upload, download, and manage files in various formats for storage and management of massive amounts of data via the console, API, SDK, or other tools.

Listed below are the COS operations supported by CloudAudit:

Operation	Resource Type	Event Name
Deleting a bucket	COS	DeleteBucket
Deleting the CORS configuration of a bucket	COS	DeleteBucketCORS
Deleting the custom domain name of a bucket	COS	DeleteBucketDomain
Deleting the default encryption configuration of a bucket	COS	DeleteBucketEncryption
Deleting the inventory jobs of a bucket	COS	DeleteBucketInventory
Deleting the lifecycle configuration of a bucket	COS	DeleteBucketLifecycle
BucketWrite_All	COS	DeleteBucketOrigin
Deleting the permission policy of a bucket	COS	DeleteBucketPolicy
Deleting the replication configuration of a bucket	COS	DeleteBucketReplication
Deleting bucket tags	COS	DeleteBucketTagging
Deleting the static website configuration of a bucket	COS	DeleteBucketWebsite
Deleting object tags	COS	DeleteObjectTagging
Getting the configuration status of the global acceleration feature	COS	GetBucketAccelerate
Getting the access control list of a bucket	COS	GetBucketACL
Getting the CORS access control list of a bucket	COS	GetBucketCORS
Getting the custom domain name of a bucket	COS	GetBucketDomain
Querying the default encryption configuration of a bucket	COS	GetBucketEncryption

Getting the user inventory job information of a bucket	COS	GetBucketInventory
Getting the lifecycle configuration of a bucket	COS	GetBucketLifecycle
Getting the log configuration of a bucket	COS	GetBucketLogging
Getting the callback configuration of a bucket	COS	GetBucketNotification
Getting the object versions	COS	GetBucketObjectVersions
BucketRead_All	COS	GetBucketOrigin
Getting the read permission policy of a bucket	COS	GetBucketPolicy
Getting the referer allowlist or blocklist of a bucket	COS	GetBucketReferer
Getting the user's bucket replication configuration	COS	GetBucketReplication
Getting the existing tags of a bucket	COS	GetBucketTagging
Getting the versioning information of a bucket	COS	GetBucketVersioning
Getting the static website configuration of a bucket	COS	GetBucketWebsite
Querying the access control list of an object	COS	GetObjectACL
Getting the existing tags of an object	COS	GetObjectTagging
Getting the list of all buckets under a specified account	COS	GetService
Listing the files that failed to be uploaded	COS	ListMultipartUploads
Restoring archived files	COS	PostObjectRestore
Creating a bucket under a specified account	COS	PutBucket
Enabling or disabling the global acceleration feature of a bucket	COS	PutBucketAccelerate
Setting the access control list of a bucket	COS	PutBucketACL
Setting the CORS permission of a bucket	COS	PutBucketCORS
Setting the custom domain name of a bucket	COS	PutBucketDomain
Setting the default encryption configuration of a bucket	COS	PutBucketEncryption
Setting the inventory jobs of a bucket	COS	PutBucketInventory
Configuring lifecycle management for a bucket	COS	PutBucketLifecycle

Enabling logging for a source bucket	COS	PutBucketLogging
PutBucketNotification	COS	PutBucketNotification
PutBucketOrigin	COS	PutBucketOrigin
Configuring the permission policy for a bucket	COS	PutBucketPolicy
Setting the referer allowlist or blocklist for a bucket	COS	PutBucketReferer
Setting cross-region replication rules for a bucket	COS	PutBucketReplication
Setting tags for an existing bucket	COS	PutBucketTagging
Setting versioning for a bucket	COS	PutBucketVersioning
Configuring the static website for a bucket	COS	PutBucketWebsite
Setting tags for an existing object	COS	PutObjectTagging

CSG

Last updated：2024-01-24 16:49:30

Tencent Cloud Storage Gateway (CSG) is a hybrid cloud storage solution that helps organizations and individuals seamlessly connect local storage to a public cloud. It eliminates your concerns over compatibility of multi-protocol local storage devices with cloud storage. Once installed locally, it enables you to achieve a hybrid cloud deployment with massive cloud storage capacity and high performance comparable to local storage.
CSG operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Activating gateway	csg	ActivateGateway
Deleting gateway	csg	DeleteGateway
Querying gateway information	csg	DescribeGatewayInformation
Querying gateway list	csg	ListGateways
Stopping gateway	csg	ShutdownGateway
Starting gateway	csg	StartGateway

Database
TencentDB for MySQL

Last updated：2024-01-24 16:54:48

TencentDB for MySQL provides secure, reliable, and easy-to-maintain database services based on MySQL, the most popular open-source database in the world. It enables you to implement database deployment and auto scaling within minutes, which is not only cost-effective, but also stable, reliable, and easy to maintain. As a complete database solution with various features such as backup and restoration, monitoring, disaster recovery, fast scaling, and data transfer, it simplifies your database OPS and allows you to focus more on business development.
TencentDB for MySQL operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Adding maintenance window to TencentDB instance	cdb	AddTimeWindow
Binding security groups in batches	cdb	AssociateSecurityGroups
Balancing load in RO group	cdb	BalanceRoGroupLoad
Canceling task	cdb	CancelDBInstanceTask
Disabling public network access for instance	cdb	CloseWanService
Creating TencentDB account	cdb	CreateAccounts
Creating TencentDB instance backup	cdb	CreateBackup
Creating data import task	cdb	CreateDBImportJob
Creating TencentDB instance	cdb	CreateDBInstance
Creating pay-as-you-go TencentDB instance	cdb	CreateDBInstanceHour
Creating monitoring template item	cdb	CreateMonitorTemplate
Creating parameter template	cdb	CreateParamTemplate
Binding independent VIP to RO instance	cdb	CreateRoInstanceIp
Deleting TencentDB account	cdb	DeleteAccounts
Deleting TencentDB backup	cdb	DeleteBackup
Deleting monitoring template item	cdb	DeleteMonitorTemplate

Deleting parameter template	cdb	DeleteParamTemplate
Deleting time window related to TencentDB instance	cdb	DeleteTimeWindow
Querying the permission information of TencentDB account	cdb	DescribeAccountPrivileges
Querying the information of all TencentDB accounts	cdb	DescribeAccounts
Querying the execution result of the async task of TencentDB instance	cdb	DescribeAsyncRequestInfo
Querying the configuration information of TencentDB instance backup	cdb	DescribeBackupConfig
Querying the list of backup databases	cdb	DescribeBackupDatabases
Querying the backup log of TencentDB instance	cdb	DescribeBackups
Querying the backup table list of specified database	cdb	DescribeBackupTables
Getting the binary log of TencentDB instance	cdb	DescribeBinlogs
Querying TencentDB instance database	cdb	DescribeDatabases
Querying databases of TencentDB instances in batches	cdb	DescribeDatabasesForInstances
Querying import task operation log	cdb	DescribeDBImportRecords
Querying the character set of TencentDB instance	cdb	DescribeDBInstanceCharset
Querying TencentDB instance configuration	cdb	DescribeDBInstanceConfig
Querying the estimated restart time of TencentDB instance	cdb	DescribeDBInstanceRebootTime
Querying instance list	cdb	DescribeDBInstances
Querying TencentDB instance route	cdb	DescribeDBRoutes
Querying the security group information of instance	cdb	DescribeDBSecurityGroups
Getting instance switch log	cdb	DescribeDBSwitchRecords
Querying the list of default configurable parameters	cdb	DescribeDefaultParams
Getting error log details of TencentDB instance	cdb	DescribeErrLogInfo
Querying instance parameter modification records	cdb	DescribeInstanceParamRecords

Querying the list of configurable parameters for instance	cdb	DescribeInstanceParams
Querying monitoring template item	cdb	DescribeMonitorTemplate
Querying parameter template details	cdb	DescribeParamTemplateInfo
Querying parameter template list	cdb	DescribeParamTemplates
Querying the security group information of project	cdb	DescribeProjectSecurityGroups
Querying the execution result of async task	cdb	DescribeRequestResult
Querying RO group details	cdb	DescribeRoGroupInfo
Querying the RO group information of specified source instance	cdb	DescribeRoGroups
Querying the time range available for rollback	cdb	DescribeRollbackRangeTime
Getting the minimum purchasable specification of read-only instance	cdb	DescribeRoMinScale
Getting the slow query analysis log of TencentDB instance	cdb	DescribeSlowLogInfo
Getting the slow query log of TencentDB instance	cdb	DescribeSlowLogs
Querying the information of supported TencentDB instance permissions	cdb	DescribeSupportedPrivileges
Querying database table column	cdb	DescribeTableColumns
Querying database table	cdb	DescribeTables
Querying the task list of TencentDB instance	cdb	DescribeTasks
Querying time window related to instance	cdb	DescribeTimeWindow
File import: getting uploaded file	cdb	DescribeUploadedFiles
Unbinding security groups in batches	cdb	DisassociateSecurityGroups
Initializing TencentDB instance	cdb	InitDBInstances
Isolating TencentDB instance	cdb	IsolateDBInstance
Terminating TencentDB instance execution thread	cdb	KillDBProcessByIds
Modifying the remarks of TencentDB instance account	cdb	ModifyAccountDescription

Modifying the password of TencentDB instance account	cdb	ModifyAccountPassword
Modifying the permission of TencentDB instance account	cdb	ModifyAccountPrivileges
Modifying the auto-renewal flag of TencentDB instance	cdb	ModifyAutoRenewFlag
Modifying the backup configuration information of TencentDB instance	cdb	ModifyBackupConfig
Modifying TencentDB instance name	cdb	ModifyDBInstanceName
Modifying the project of TencentDB instance	cdb	ModifyDBInstanceProject
Modifying security group bound to instance	cdb	ModifyDBInstanceSecurityGroups
Modifying the VIP and Vport of TencentDB instance	cdb	ModifyDBInstanceVipVport
Modifying instance parameter	cdb	ModifyInstanceParam
Modifying parameter template	cdb	ModifyParamTemplate
Updating RO group information	cdb	ModifyRoGroupInfo
Modifying the VIP and Vport of RO group	cdb	ModifyRoGroupVipVport
Updating time window related to instance	cdb	ModifyTimeWindow
Enabling database instance encryption	cdb	OpenDBInstanceEncryption
Enabling TencentDB instance GTID	cdb	OpenDBInstanceGTID
Enabling public network access for instance	cdb	OpenWanService
Desolating TencentDB instance	cdb	ReleaseIsolatedDBInstances
Restarting TencentDB instance	cdb	RestartDBInstances
Viewing MySQL execution thread	cdb	ShowProcessList
Starting batch rollback task	cdb	StartBatchRollback
Stopping data import task	cdb	StopDBImportJob
Switching disaster recovery TencentDB instance to source instance	cdb	SwitchDrInstanceToMaster
Upgrading switch VIP	cdb	SwitchForUpgrade
Upgrading TencentDB instance	cdb	UpgradeDBInstance

| Upgrading TencentDB instance version | cdb | UpgradeDBInstanceEngineVersion |

DBbrain

Last updated：2024-01-24 16:54:48

TencentDB for DBbrain (DBbrain) is a cloud-based database management service for database performance, security, and management. By leveraging machine learning, big data, and expert experience engine, it can quickly replicate sophisticated practices of senior database administrators to automate a large number of traditional manual database OPS tasks, which helps ensure secure, stable, and efficient operations of your database services both in and off the cloud.

DBbrain operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Creating audit log analysis task	dbbrain	CreateAuditLogStatsTask
Creating health report analysis task	dbbrain	CreateDBDiagReportTask
CreateDBDiagReportUrl	dbbrain	CreateDBDiagReportUrl
Deleting audit log analysis task	dbbrain	DeleteAuditLogStatsTask
Deleting the analysis task of health diagnosis report	dbbrain	DeleteDBDiagReportTasks
Getting the timeline-based statistics of specified task	dbbrain	DescribeAuditLogSeriesForSqlTime
Getting current task list	dbbrain	DescribeAuditLogStatsTasks
Getting the top SQLs of specified task	dbbrain	DescribeAuditLogTopSqls
Getting exception diagnosis event details	dbbrain	DescribeDBDiagEvent
Getting instance exception diagnosis history	dbbrain	DescribeDBDiagHistory
Querying health diagnosis report	dbbrain	DescribeDBDiagReport
Getting instance performance curve data	dbbrain	DescribeDBPerfTimeSeries
Getting the space usage overview of specified time period	dbbrain	DescribeDBSpaceStatus
Getting health score details	dbbrain	DescribeHealthScore
Getting health score curve	dbbrain	DescribeHealthScoreTimeSeries

Getting process list	dbbrain	DescribeProcessList
Getting slow log histogram	dbbrain	DescribeSlowLogTimeSeriesStats
Getting the list of top SQLs of slow log	dbbrain	DescribeSlowLogTopSqls
Creating audit log analysis task	dbbrain	DescribeSqlAdvice
Getting SQL execution plan	dbbrain	DescribeSqlExplain
Getting the latest periodically captured space data of top databases	dbbrain	DescribeTopSpaceSchemaLatestRecords
Getting the daily space usage statistics of specified time period of top databases	dbbrain	DescribeTopSpaceSchemaTimeSeries
Getting the latest periodically captured space data of top tables	dbbrain	DescribeTopSpaceTableLatestRecords
Getting the statistics of top tables and sorting them in descending order by value	dbbrain	DescribeTopSpaceTables
Getting the daily space usage statistics of specified time period of top tables	dbbrain	DescribeTopSpaceTableTimeSeries

TDSQL

Last updated：2024-01-24 16:54:48

Tencent Distributed SQL (TDSQL) is a distributed database service deployed in Tencent Cloud that supports automatic sharding (horizontal splitting) and the Shared Nothing architecture. With a distributed database, your business gets a complete logical database table which is split and distributed evenly across multiple physical shard nodes on the backend. TDSQL deploys the primary/secondary architecture by default and provides a full set of solutions for disaster recovery, backup, restoration, monitoring, and migration, making it ideal for storing terabytes to petabytes of data.

TDSQL operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Desolating postpaid TDSQL instance	dcdb	ActiveHourDCDBInstance
Checking IP status	dcdb	CheckIpStatus
Cloning account	dcdb	CloneAccount
Disabling public network access for instance	dcdb	CloseDBExtranetAccess
Creating account	dcdb	CreateAccount
Creating instance	dcdb	CreateDCDBInstance
Creating postpaid TDSQL instance	dcdb	CreateHourDCDBInstance
Rolling back TDSQL instance	dcdb	CreateTmpDCDBInstance
Deleting account	dcdb	DeleteAccount
Deleting temp instance	dcdb	DeleteTmpInstance
Querying account permission	dcdb	DescribeAccountPrivileges
Querying account list	dcdb	DescribeAccounts
Querying audit log	dcdb	DescribeAuditLogs
Querying audit policy	dcdb	DescribeAuditStrategies
Querying price for batch TDSQL instance renewal	dcdb	DescribeBatchDCDBRenewalPrice
Querying instance object	dcdb	DescribeDatabaseObjects
Querying instance database name	dcdb	DescribeDatabases

Querying the column information of instance table	dcdb	DescribeDatabaseTable
Getting log list	dcdb	DescribeDBLogFiles
Querying monitoring information	dcdb	DescribeDBMetrics
Viewing database parameter	dcdb	DescribeDBParameters
Querying the security group information of instance	dcdb	DescribeDBSecurityGroups
Getting slow query log details	dcdb	DescribeDBSlowLogAnalysis
Querying the list of slow query logs	dcdb	DescribeDBSlowLogs
Querying instance sync mode	dcdb	DescribeDBSyncMode
Getting temp instance generated by instance rollback	dcdb	DescribeDBTmpInstances
Getting time range available for instance rollback	dcdb	DescribeDCDBBinlogTime
Getting TDSQL instance details	dcdb	DescribeDCDBInstanceDetail
Viewing instance list	dcdb	DescribeDCDBInstances
Querying price	dcdb	DescribeDCDBPrice
Querying instance renewal price	dcdb	DescribeDCDBRenewalPrice
Querying purchasable AZs	dcdb	DescribeDCDBSaleInfo
Querying TDSQL instance shard	dcdb	DescribeDCDBShards
Querying instance upgrade price	dcdb	DescribeDCDBUpgradePrice
Querying dedicated cluster specification	dcdb	DescribeFenceShardSpec
Querying process status	dcdb	DescribeFlow
Querying latest DBA check result	dcdb	DescribeLatestCloudDBAReport
Viewing backup log settings	dcdb	DescribeLogFileRetentionPeriod
Querying project	dcdb	DescribeProjects
Querying the security group information of project	dcdb	DescribeProjectSecurityGroups
Querying instance specification	dcdb	DescribeShardSpec
Getting SQL log	dcdb	DescribeSqlLogs

Setting account permission	dcdb	GrantAccountPrivileges
Initializing instance	dcdb	InitDCDBInstances
Isolating dedicated instance	dcdb	IsolateDedicatedDBInstance
Isolating postpaid TDSQL instance	dcdb	IsolateHourDCDBInstance
Modifying database account remarks	dcdb	ModifyAccountDescription
Setting auto-renewal in batches	dcdb	ModifyAutoRenewFlag
Modifying instance name	dcdb	ModifyDBInstanceName
Modifying the security group of TencentDB instance	dcdb	ModifyDBInstanceSecurityGroups
Modifying instance project	dcdb	ModifyDBInstancesProject
Modifying instance parameter	dcdb	ModifyDBParameters
Modifying instance sync mode	dcdb	ModifyDBSyncMode
Modifying instance network	dcdb	ModifyInstanceNetwork
Modifying instance remarks	dcdb	ModifyInstanceRemark
Modifying instance VIP	dcdb	ModifyInstanceVip
Modifying backup log settings	dcdb	ModifyLogFileRetentionPeriod
Enabling public network access	dcdb	OpenDBExtranetAccess
Resetting account password	dcdb	ResetAccountPassword
Enabling smart DBA	dcdb	StartSmartDBA
Switching rollback instance	dcdb	SwitchRollbackInstance
Terminating dedicated instance	dcdb	TerminateDedicatedDBInstance
Upgrading dedicated TDSQL instance	dcdb	UpgradeDedicatedDCDBInstance
Upgrading postpaid TDSQL instance	dcdb	UpgradeHourDCDBInstance

DTS

Last updated：2024-01-24 16:54:48

Data Transmission Service (DTS) is a data transfer service that integrates such features as data migration, sync, and subscription, helping you migrate your databases without interrupting your business and build a high-availability database architecture for remote disaster recovery through real-time sync channels. Its data subscription feature grants you real-time access to incrementally updated data in your TencentDB instance, so that you can consume such data based on your business needs.

DTS operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Completing data migration	dts	CompleteMigrateJob
Configuring data comparison task	dts	ConfigDataComparisonJob
Creating `AccessKey`	dts	CreateAccessKey
Creating migration check task	dts	CreateMigrateCheckJob
Creating data migration task	dts	CreateMigrateJob
Creating data subscription	dts	CreateSubscribe
Deleting migration task	dts	DeleteMigrateJob
Querying access key	dts	DescribeAccessKeys
Querying data comparison result	dts	DescribeDataComparisonResult
Querying check task result	dts	DescribeMigrateCheckJob
Viewing migration task	dts	DescribeMigrateJobs
Viewing migration task details	dts	DescribeMigrateObject
Querying subscription configuration	dts	DescribeSubscribeConf
Querying whether the subscription instance can be returned	dts	DescribeSubscribeReturnable
Querying subscription instance list	dts	DescribeSubscribes
Isolating subscription instance	dts	IsolateSubscribe

Modifying migration task	dts	ModifyMigrateJob
Modifying migration name	dts	ModifyMigrateName
Modifying the consumption time point of subscription channel	dts	ModifySubscribeConsumeTime
Modifying subscription name	dts	ModifySubscribeName
Modifying data subscription object	dts	ModifySubscribeObjects
Modifying subscription service address	dts	ModifySubscribeVipVport
Deactivating isolated instance	dts	OfflineIsolatedSubscribe
Resetting data subscription channel	dts	ResetSubscribe
Starting migration task	dts	StartMigrateJob
Canceling migration task	dts	StopMigrateJob

TencentDB for MariaDB

Last updated：2024-01-24 16:54:48

TencentDB for MariaDB is a highly secure enterprise-grade cloud database dedicated to the online transaction processing (OLTP) scenario. It has been used in Tencent's billing business for over a decade. It is compatible with MySQL syntax and has various advanced features such as thread pool, audit, and remote disaster recovery while delivering easy scalability, simplicity, and high cost performance of TencentDB.

TencentDB for MariaDB operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Desolating postpaid instance	mariadb	ActivateHourDBInstance
Recovering dedicated instance	mariadb	ActiveDedicatedDBInstance
Checking IP status	mariadb	CheckIpStatus
Cloning account	mariadb	CloneAccount
Disabling public network address	mariadb	CloseDBExtranetAccess
Creating account	mariadb	CreateAccount
Creating parameter template	mariadb	CreateConfigTemplate
Creating instance	mariadb	CreateDBInstance
Creating postpaid instance	mariadb	CreateHourDBInstance
Rolling back instance	mariadb	CreateTmpInstances
Deleting account	mariadb	DeleteAccount
Deleting parameter template	mariadb	DeleteConfigTemplate
Deleting temp instance	mariadb	DeleteTmpInstance
Getting permission list	mariadb	DescribeAccountPrivileges
Viewing account list	mariadb	DescribeAccounts
Querying audit log	mariadb	DescribeAuditLogs
Querying audit rule details	mariadb	DescribeAuditRuleDetail
Querying the list of audit rules	mariadb	DescribeAuditRules

Querying audit policy	mariadb	DescribeAuditStrategies
Getting custom backup time	mariadb	DescribeBackupTime
Querying price for batch MariaDB instance renewal	mariadb	DescribeBatchRenewalPrice
Querying binlog time	mariadb	DescribeBinlogTime
Querying parameter configuration history	mariadb	DescribeConfigHistories
Querying parameter template	mariadb	DescribeConfigTemplate
Querying the list of parameter templates	mariadb	DescribeConfigTemplates
Querying instance object	mariadb	DescribeDatabaseObjects
Querying instance database name	mariadb	DescribeDatabases
Querying the column information of instance table	mariadb	DescribeDatabaseTable
Querying monitoring information details	mariadb	DescribeDBDetailMetrics
Querying the key information of instance	mariadb	DescribeDBEncryptAttributes
Querying instance details	mariadb	DescribeDBInstanceDetail
Querying the high-availability information of instance	mariadb	DescribeDBInstanceHAInfo
Viewing instance list	mariadb	DescribeDBInstances
Querying instance specification	mariadb	DescribeDBInstanceSpecs
Getting instance list	mariadb	DescribeDBLogFiles
Querying monitoring information	mariadb	DescribeDBMetrics
Viewing database parameter	mariadb	DescribeDBParameters
Viewing instance performance data	mariadb	DescribeDBPerformance
Viewing instance performance data details	mariadb	DescribeDBPerformanceDetails
Viewing instance resource usage	mariadb	DescribeDBResourceUsage
Viewing instance resource usage details	mariadb	DescribeDBResourceUsageDetails
Querying the security group information of instance	mariadb	DescribeDBSecurityGroups
Getting slow query log details	mariadb	DescribeDBSlowLogAnalysis

Querying the list of slow query logs	mariadb	DescribeDBSlowLogs
Querying instance sync mode	mariadb	DescribeDBSyncMode
Querying temp instance	mariadb	DescribeDBTmpInstances
Querying dedicated cluster specification	mariadb	DescribeFenceDBInstanceSpecs
Querying process status	mariadb	DescribeFlow
Querying the proxy configuration of instance	mariadb	DescribeInstanceProxyConfig
Querying the SSL status of instance	mariadb	DescribeInstanceSSLAttributes
Querying latest DBA check result	mariadb	DescribeLatestCloudDBAReport
Viewing backup log settings	mariadb	DescribeLogFileRetentionPeriod
Querying order information	mariadb	DescribeOrders
Querying price	mariadb	DescribePrice
Querying project	mariadb	DescribeProjects
Querying the security group information of project	mariadb	DescribeProjectSecurityGroups
Querying instance renewal price	mariadb	DescribeRenewalPrice
Querying purchasable AZs	mariadb	DescribeSaleInfo
Querying the list of sync tasks	mariadb	DescribeSyncTasks
Querying instance upgrade price	mariadb	DescribeUpgradePrice
Querying the information of user task	mariadb	DescribeUserTasks
Setting permission	mariadb	GrantAccountPrivileges
Initializing instance	mariadb	InitDBInstances
Isolating dedicated instance	mariadb	IsolateDedicatedDBInstance
Isolating postpaid instance	mariadb	IsolateHourDBInstance
Modifying account remarks	mariadb	ModifyAccountDescription
Setting auto-renewal in batches	mariadb	ModifyAutoRenewFlag
Setting custom backup time	mariadb	ModifyBackupTime

Modifying parameter template	mariadb	ModifyConfigTemplate
Modifying instance encryption information	mariadb	ModifyDBEncryptAttributes
Modifying instance name	mariadb	ModifyDBInstanceName
Modifying the security group of TencentDB instance	mariadb	ModifyDBInstanceSecurityGroups
Modifying instance project	mariadb	ModifyDBInstancesProject
Modifying database parameter	mariadb	ModifyDBParameters
Modifying instance sync mode	mariadb	ModifyDBSyncMode
Modifying instance network	mariadb	ModifyInstanceNetwork
Modifying SSL information	mariadb	ModifyInstanceSSLAttributes
Modifying instance VIP	mariadb	ModifyInstanceVip
Modifying instance Vport	mariadb	ModifyInstanceVport
Modifying backup log settings	mariadb	ModifyLogFileRetentionPeriod
Opening public network address	mariadb	OpenDBExtranetAccess
Renewing instance	mariadb	RenewDBInstance
Resetting account password	mariadb	ResetAccountPassword
Enabling smart DBA	mariadb	StartSmartDBA
Switching instance high-availability	mariadb	SwitchDBInstanceHA
Replacing original instance with temp instance	mariadb	SwitchRollbackInstance
Terminating dedicated instance	mariadb	TerminateDedicatedDBInstance
Expanding instance capacity	mariadb	UpgradeDBInstance
Upgrading dedicated instance	mariadb	UpgradeDedicatedDBInstance
Upgrading postpaid instance	mariadb	UpgradeHourDBInstance

TencentDB for MongoDB

Last updated：2024-01-24 16:54:48

TencentDB for MongoDB is a high-performance distributed data storage service created by Tencent Cloud based on MongoDB, an open-source non-relational database. It is fully compatible with the MongoDB protocol and applicable to various non-relational database-oriented scenarios.
TencentDB for MongoDB operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Assigning project	mongodb	AssignProject
Manually back up instance	mongodb	BackupDBInstance
Creating user	mongodb	CreateAccountUser
Creating instance	mongodb	CreateDBInstance
Creating pay-as-you-go instance	mongodb	CreateDBInstanceHour
Deleting account	mongodb	DeleteAccountUser
Querying user	mongodb	DescribeAccountUsers
Getting backup download permission	mongodb	DescribeBackupAccess
Querying backup rule	mongodb	DescribeBackupRules
Pulling instance list	mongodb	DescribeDBInstances
Querying instance rollback list	mongodb	DescribeInstanceCollections
Querying oplog information	mongodb	DescribeOplogInfo
Querying latency between primary and secondary read-only instances	mongodb	DescribeReadonlyDelay
Isolating TencentDB instance	mongodb	IsolateDBInstance
Modifying the configuration of TencentDB instance	mongodb	ModifyDBInstanceSpec
Deactivating isolated TencentDB instance	mongodb	OfflineIsolatedDBInstance
Deleting temp instance	mongodb	RemoveCloneInstance
Renaming instance	mongodb	RenameInstance

Renewing instance	mongodb	RenewInstance
Adjusting instance oplog size	mongodb	ResizeOplog
Restarting instance	mongodb	RestartInstance
Rolling back database instance	mongodb	RestoreDBInstance
Setting user permission	mongodb	SetAccountUserPrivilege
Setting auto-renewal	mongodb	SetAutoRenew
Setting auto-renewal rule	mongodb	SetBackupRules
Transforming temp instance to formal instance	mongodb	SetInstanceFormal
Setting instance maintenance window	mongodb	SetInstanceMaintenance
Setting password	mongodb	SetPassword
Setting read-only instance as formal instance	mongodb	SetReadonlyToNormal
Terminating pay-as-you-go instance	mongodb	TerminateDBInstance
Upgrading instance	mongodb	UpgradeDBInstance

TencentDB for Redis

Last updated：2024-01-24 16:54:48

TencentDB for Redis is a database service provided by Tencent Cloud based on the Redis protocol, which leverages Tencent Cloud's many years of experience in distributed caching and features high availability, reliability, and flexibility. Compatible with Redis 2.8, 4.0, and 5.0 protocols and available in both Standard and Cluster architecture editions, it supports up to 4 TB of storage capacity and tens of millions of concurrent requests, meeting the needs in different scenarios such as caching, storage, and computing.

TencentDB for Redis operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Deactivating instance in recycle bin	redis	CleanUpInstance
CreateInstanceAccount	redis	CreateInstanceAccount
DeleteInstanceAccount	redis	DeleteInstanceAccount
Querying the download URL of instance backup	redis	DescribeBackupUrl
DescribeInstanceAccount	redis	DescribeInstanceAccount
Querying instance order information	redis	DescribeInstanceDealDetail
Querying instance parameter modification records	redis	DescribeInstanceParamRecords
Querying instance parameter	redis	DescribeInstanceParams
DescribeInstances	redis	DescribeInstances
Querying the security group information of instance	redis	DescribeInstanceSecurityGroup
Querying instance shard information	redis	DescribeInstanceShards
Querying the security group information of project	redis	DescribeProjectSecurityGroup
Querying task information	redis	DescribeTaskInfo
Querying task list information	redis	DescribeTaskList
Terminating postpaid instance	redis	DestroyPostpaidInstance
Terminating prepaid instance	redis	DestroyPrepaidInstance
Disabling read-only access to instance replica	redis	DisableReplicaReadonly

Enabling read-only access to instance replica	redis	EnableReplicaReadonly
Modifying Redis password	redis	ModfiyInstancePassword
Setting auto backup time	redis	ModifyAutoBackupConfig
ModifyInstanceAccount	redis	ModifyInstanceAccount
Modifying instance parameter	redis	ModifyInstanceParams
Modifying instance network	redis	ModifyNetworkConfig
Restoring instance from recycle bin	redis	StartupInstance

TencentDB for SQL Server

Last updated：2024-01-24 16:54:48

Licensed by Microsoft, TencentDB for SQL Server continuously provides the latest features and helps you avoid risks with unauthorized software use. It features out-of-the-box usage, high stability, reliability, and security, high-availability architecture, data security protection, failover in a matter of seconds, enabling you to focus more on application development.

TencentDB for SQL Server operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Immediately completing instance expansion	sqlserver	CompleteExpansion
Creating account	sqlserver	CreateAccount
Creating backup	sqlserver	CreateBackup
Creating database	sqlserver	CreateDB
Purchasing instance	sqlserver	CreateDBInstances
Creating migration task	sqlserver	CreateMigration
Creating publish-subscribe relationship	sqlserver	CreatePublishSubscribe
Deleting account	sqlserver	DeleteAccount
Deleting database	sqlserver	DeleteDB
Deleting publish-subscribe relationship	sqlserver	DeletePublishSubscribe
Querying account list	sqlserver	DescribeAccounts
Querying backup list	sqlserver	DescribeBackups
Querying instance list	sqlserver	DescribeDBInstances
Querying database list	sqlserver	DescribeDBs
Querying process status	sqlserver	DescribeFlowStatus
Querying instance task	sqlserver	DescribeInstanceTasks
Querying maintainable time window	sqlserver	DescribeMaintenanceSpan
Querying migration task details	sqlserver	DescribeMigrationDetail

Querying migration task list	sqlserver	DescribeMigrations
Querying billing order	sqlserver	DescribeOrders
Querying sale specification configuration	sqlserver	DescribeProductConfig
Querying publish-subscribe relationship	sqlserver	DescribePublishSubscribe
Querying region information	sqlserver	DescribeRegions
Querying default weight in RO group	sqlserver	DescribeROGroupAutoWeight
Querying RO replica in RO group	sqlserver	DescribeROGroupByRoInstance
Querying RO group details	sqlserver	DescribeROGroupInfo
Querying RO group list	sqlserver	DescribeROGroupList
Querying the time range available for rollback	sqlserver	DescribeRollbackTime
Querying slow log list	sqlserver	DescribeSlowlogs
Querying AZ information	sqlserver	DescribeZones
Querying the price for purchasing instance	sqlserver	InquiryPriceCreateDBInstances
Querying the renewal price of instance	sqlserver	InquiryPriceRenewDBInstance
Querying the upgrade price of instance	sqlserver	InquiryPriceUpgradeDBInstance
Modifying account permission	sqlserver	ModifyAccountPrivilege
Modifying account remarks	sqlserver	ModifyAccountRemark
Modifying the time for cold backup	sqlserver	ModifyBackupStrategy
Modifying database permission	sqlserver	ModifyDatabasePrivilege
Modifying instance name	sqlserver	ModifyDBInstanceName
Modifying instance project	sqlserver	ModifyDBInstanceProject
Modifying instance renewal flag	sqlserver	ModifyDBInstanceRenewFlag
Modifying database name	sqlserver	ModifyDBName
Modifying database remarks	sqlserver	ModifyDBRemark
Modifying maintainable time window	sqlserver	ModifyMaintenanceSpan

Modifying the name of publish-subscribe relationship	sqlserver	ModifyPublishSubscribeName
Modifying RO group information	sqlserver	ModifyROGroupInfo
Immediately deactivating instance	sqlserver	OfflineDBInstance
Moving pay-as-you-go instance into recycle bin	sqlserver	RecoveryPostInstance
Resetting account password	sqlserver	ResetAccountPassword
Restarting instance	sqlserver	RestartDBInstance
Restoring cold backup instance	sqlserver	RestoreInstance
Rolling back instance	sqlserver	RollbackInstance
Starting migration task	sqlserver	RunMigration
Terminating instance	sqlserver	TerminateDBInstance
Upgrading instance	sqlserver	UpgradeDBInstance

TcaplusDB

Last updated：2024-01-24 16:54:48

Based on the design principles and technologies of NoSQL databases, Tencent Cloud TcaplusDB is specially developed for gaming data storage by taking into account gaming characteristics and the balance between performance and costs. Currently, it provides stable data storage services for popular games with tens of millions of DAUs, such as Honor of Kings, CrossFire, and Naruto Mobile. Backed by Tencent Cloud's infrastructure nodes deployed in Asia, Europe, North America, South America, and Oceania, it can be used globally once integrated. TcaplusDB operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Clearing table data	tcaplusdb	ClearTables
Creating backup	tcaplusdb	CreateBackup
Creating cluster	tcaplusdb	CreateCluster
Creating table group	tcaplusdb	CreateTableGroup
Creating tables in batches	tcaplusdb	CreateTables
Deleting cluster	tcaplusdb	DeleteCluster
Deleting IDL description file	tcaplusdb	DeleteIdlFiles
Deleting table group	tcaplusdb	DeleteTableGroup
Deleting the global distributed indexes of TcaplusDB table	tcaplusdb	DeleteTableIndex
Deleting table	tcaplusdb	DeleteTables
Querying cluster information list	tcaplusdb	DescribeClusters
Getting the list of tags associated with cluster	tcaplusdb	DescribeClusterTags
Querying table description file details	tcaplusdb	DescribeIdlFileInfos
Querying region list	tcaplusdb	DescribeRegions
Querying table group list	tcaplusdb	DescribeTableGroups
Getting the list of tags associated with table group	tcaplusdb	DescribeTableGroupTags
Querying table details	tcaplusdb	DescribeTables

Querying the details of table in recycle bin	tcaplusdb	DescribeTablesInRecycle
Querying table tag list	tcaplusdb	DescribeTableTags
Querying task list	tcaplusdb	DescribeTasks
Querying whether the current user is in the allowlist	tcaplusdb	DescribeUinInWhitelist
Modifying cluster name	tcaplusdb	ModifyClusterName
Modifying cluster password	tcaplusdb	ModifyClusterPassword
Modifying cluster tags	tcaplusdb	ModifyClusterTags
Modifying table group name	tcaplusdb	ModifyTableGroupName
Modifying table group tags	tcaplusdb	ModifyTableGroupTags
Modifying table remarks	tcaplusdb	ModifyTableMemos
Modifying table structures in batches	tcaplusdb	ModifyTables
Modifying table tags	tcaplusdb	ModifyTableTags
Recovering table from recycle bin	tcaplusdb	RecoverRecycleTables
Creating and modifying the global distributed indexes of TcaplusDB table	tcaplusdb	SetTableIndex

CDN and Acceleration

CDN

Last updated：2024-01-24 16:54:48

Content Delivery Network (CDN) is a new layer of network architecture built on the existing internet. It consists of servers distributed around the globe to accelerate internet content delivery. These high-performance cache nodes store your content based on caching policies. When a user makes a content request, it will be routed to the node closest to the user, reducing access latency and improving availability.

CDN operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Adding acceleration domain name	cdn	AddCdnDomain
Creating SCDN domain name	cdn	CreateScdnDomain
Creating SCDN log event task	cdn	CreateScdnLogTask
Deleting acceleration domain name	cdn	DeleteCdnDomain
Querying access data	cdn	DescribeCdnData
Verifying SSL certificate and extracting its domain name	cdn	DescribeCertDomains
Querying active user	cdn	DescribeIpVisit
Querying origin-pull data	cdn	DescribeOriginData
Querying SCDN domain name configuration	cdn	DescribeScdnConfig
Querying SCDN data	cdn	DescribeScdnData
Disabling URL	cdn	DisableCaches
Querying the list of SCDN domain names	cdn	ListScdnDomains
Querying the list of SCDN log download tasks	cdn	ListScdnLogTasks
Querying top data	cdn	ListTopData
Getting top SCDN data	cdn	ListTopScdnData
Activating CDN	cdn	OpenCdnService

Purging directory	cdn	PurgePathCache
Purging URL	cdn	PurgeUrlsCache
Prefetching URL	cdn	PushUrlsCache
Enabling acceleration service	cdn	StartCdnDomain
Enabling domain name security protection	cdn	StartScdnDomain
Disabling acceleration service	cdn	StopCdnDomain
Disabling domain name security protection	cdn	StopScdnDomain
Modifying domain name configuration	cdn	UpdateDomainConfig
Updating domain names in batches	cdn	UpdateDomainsHttps
Modifying the image processing configuration of acceleration domain name	cdn	UpdateImageConfig
Modifying billing type	cdn	UpdatePayType
Modifying SCDN domain name configuration	cdn	UpdateScdnDomain

ECDN

Last updated：2024-01-24 16:54:48

By combining static edge caching and dynamic origin-pull path optimization and based on Tencent's globally deployed cache nodes and over a decade of technical expertise gained from QQ operation, Tencent Cloud Enterprise Content Delivery Network (ECDN) provides highly reliable one-stop content delivery services with low latency for your dynamic websites and static/dynamic hybrid websites, helping you solve problems such as slow response, packet loss, and unstable service due to conditions like cross-ISP connection, cross-border connection, and unstable network. ECDN operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Adding acceleration domain name	ecdn	AddEcdnDomain
Deleting ECDN domain name	ecdn	DeleteEcdnDomain
Enabling acceleration domain name	ecdn	StartEcdnDomain
Deactivating ECDN domain name	ecdn	StopEcdnDomain
Updating domain name configuration	ecdn	UpdateDomainConfig
Updating the HTTPS configuration of domain names in batches	ecdn	UpdateDomainsHttps

GAAP

Last updated：2024-01-24 16:54:48

Tencent Cloud Global Application Acceleration Platform (GAAP) is a PaaS product that achieves optimal global access latency. It uses high-speed connections, cluster forwarding, and intelligent routing among global nodes to allow users in different regions to access the closest nodes, so their request traffic can be forwarded to origin servers, reducing access lag and latency.

GAAP operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Adding origin server	gaap	AddRealServers
Binding listener to origin server	gaap	BindListenerRealServers
Binding forwarding rule to origin server	gaap	BindRuleRealServers
Disabling channel	gaap	CloseProxies
Disabling security policy	gaap	CloseSecurityPolicy
Creating HTTP listener	gaap	CreateHTTPListener
Creating HTTPS listener	gaap	CreateHTTPSListener
Creating channel	gaap	CreateProxy
Enabling the domain name of connection group	gaap	CreateProxyGroupDomain
Creating the forwarding rule for listener	gaap	CreateRule
Creating security policy	gaap	CreateSecurityPolicy
Adding security policy rule	gaap	CreateSecurityRules
Creating TCP listener	gaap	CreateTCPListeners
Creating UDP listener	gaap	CreateUDPListeners
Deleting forwarding rule of domain name	gaap	DeleteDomain
Deleting channel listener	gaap	DeleteListeners
Deleting connection group	gaap	DeleteProxyGroup
Deleting the forwarding rule for layer-7 listener	gaap	DeleteRule

Deleting security policy	gaap	DeleteSecurityPolicy
Deleting security policy rule	gaap	DeleteSecurityRules
Querying domain name list	gaap	DescribeGlobalDomains
Querying connection group and channel statistics	gaap	DescribeGroupAndStatisticsProxy
Getting the domain name configuration details of connection group	gaap	DescribeGroupDomainConfig
Querying HTTP listener information	gaap	DescribeHTTPListeners
Querying HTTPS listener information	gaap	DescribeHTTPSListeners
Querying listener information	gaap	DescribeL4Listeners
Querying the origin server list of listener	gaap	DescribeListenerRealServers
Querying listener statistics	gaap	DescribeListenerStatistics
Querying the instance list of channel	gaap	DescribeProxies
Querying channel status	gaap	DescribeProxiesStatus
Querying channel and listener statistics	gaap	DescribeProxyAndStatisticsListeners
Querying channel details	gaap	DescribeProxyDetail
Querying channel details	gaap	DescribeProxyGroupDetails
Pulling connection group list	gaap	DescribeProxyGroupList
Querying connection group statistics	gaap	DescribeProxyGroupStatistics
Querying channel statistics	gaap	DescribeProxyStatistics
Querying origin server list	gaap	DescribeRealServers
Querying the binding status of origin server	gaap	DescribeRealServersStatus
Querying the relevant origin server information of forwarding rule	gaap	DescribeRuleRealServers
Querying forwarding rule information	gaap	DescribeRules
Getting security policy details	gaap	DescribeSecurityPolicyDetail
Querying TCP listener list	gaap	DescribeTCPListeners

Querying UDP listener list	gaap	DescribeUDPListeners
Terminating channel	gaap	DestroyProxies
Updating domain name in the forwarding rule of listener	gaap	ModifyDomain
Modifying the domain name of connection group	gaap	ModifyGroupDomainConfig
Modifying HTTP listener configuration	gaap	ModifyHTTPListenerAttribute
Modifying HTTPS listener configuration	gaap	ModifyHTTPSListenerAttribute
Modifying channel attribute	gaap	ModifyProxiesAttribute
Modifying channel configuration	gaap	ModifyProxyConfiguration
Modifying connection group attribute	gaap	ModifyProxyGroupAttribute
Modifying origin server name	gaap	ModifyRealServerName
Modifying forwarding rule information	gaap	ModifyRuleAttribute
Modifying security policy rule	gaap	ModifySecurityRule
Modifying TCP listener configuration	gaap	ModifyTCPListenerAttribute
Modifying UDP listener configuration	gaap	ModifyUDPListenerAttribute
Enabling channel	gaap	OpenProxies
Enabling security policy	gaap	OpenSecurityPolicy
Deleting origin server	gaap	RemoveRealServers

Serverless

SCF

Last updated：2024-01-24 16:54:48

Tencent Cloud Serverless Cloud Function (SCF) is a serverless execution environment provided for organizations and developers. It can help you run code with no need to purchase and manage servers, making it an ideal computing platform in scenarios such as real-time file processing and data processing. All you need to do is to write the core code using the languages supported by the platform and set the conditions for code execution. After that, your code can be executed on the Tencent Cloud infrastructure in an elastic and secure manner.
SCF operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Copying function	scf	CopyFunction
Creating function version alias	scf	CreateAlias
Creating function	scf	CreateFunction
Creating function testing template	scf	CreateFunctionTestModel
Creating namespace	scf	CreateNamespace
Setting function trigger	scf	CreateTrigger
Deleting alias	scf	DeleteAlias
Deleting function	scf	DeleteFunction
Deleting function testing template	scf	DeleteFunctionTestModel
Deleting the specified version of specified layer (once deleted, a version cannot be associated with the function again, but will not affect other functions that are referencing this layer)	scf	DeleteLayerVersion
Deleting namespace	scf	DeleteNamespace
Deleting function trigger	scf	DeleteTrigger
Querying account quota	scf	GetAccount
Querying account quota	scf	GetAccountSettings

Getting alias details	scf	GetAlias
Getting function details	scf	GetFunction
Getting the download address of function code	scf	GetFunctionAddress
Getting function log	scf	GetFunctionLogs
Getting the corresponding serverless application model of function	scf	GetFunctionSAM
Getting function testing template	scf	GetFunctionTestModel
Getting the total number of functions	scf	GetFunctionTotalNum
Getting the number of function triggers	scf	GetFunctionUsageTriggerCount
Getting layer version details, such as links for downloading files in layer	scf	GetLayerVersion
Getting monthly usage	scf	GetUserMonthUsage
Getting yesterday's data	scf	GetUserYesterdayUsage
Getting alias list	scf	ListAliases
Getting function list	scf	ListFunctions
Getting the list of function testing templates	scf	ListFunctionTestModels
Returning the list of all layers, which contains the information of the latest version of each layer and can be used for filtering during runtime after adaptation	scf	ListLayers
Returning the information of all versions of specified layer	scf	ListLayerVersions
Listing namespaces	scf	ListNamespaces
Querying function version	scf	ListVersionByFunction
Using specified ZIP file or COS object to create layer version (every time this API is called with the name of the same layer, a new version will be generated)	scf	PublishLayerVersion
scfPublishVersion	scf	PublishVersion
Updating alias configuration	scf	UpdateAlias
Updating function code	scf	UpdateFunctionCode

Updating function configuration	scf	UpdateFunctionConfiguration
Incrementally updating function code	scf	UpdateFunctionIncrementalCode
Updating function testing template	scf	UpdateFunctionTestModel
Updating namespace	scf	UpdateNamespace
Updating trigger status	scf	UpdateTriggerStatus

Serverless Cloud Framework

Last updated：2024-01-24 16:54:48

Well-received in the industry, Serverless Cloud Framework allows you to deploy a complete and available serverless application framework without the need to care about underlying resources. It features resource orchestrating, auto scaling, and event driving and covers the full development lifecycle from coding and debugging to testing and deploying, helping you quickly build serverless applications with the aid of Tencent Cloud resources.
Serverless Cloud Framework operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Getting the instance information of component	sls	GetInstance
Running component instance	sls	RunComponent
Completing component instance running	sls	RunFinishComponent

Middleware

API Gateway

Last updated：2024-01-24 17:20:22

Tencent Cloud API Gateway is an API hosting service that enables full lifecycle management of APIs, including creation, maintenance, release, operation, deactivation, etc. It can be used to encapsulate your business and open up your data, business logic, and functionality in a secure and reliable manner for integration with your own systems and connections with partner businesses.

API Gateway operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Binding environment	apigw	BindEnvironment
Binding key	apigw	BindSecretIds
Binding sub-domain name	apigw	BindSubDomain
Creating API	apigw	CreateApi
Creating key	apigw	CreateApiKey
Creating service	apigw	CreateService
Creating usage plan	apigw	CreateUsagePlan
Deleting API	apigw	DeleteApi
Deleting key	apigw	DeleteApiKey
Deleting IP policy	apigw	DeleteIPStrategy
Deleting service	apigw	DeleteService
Deleting usage plan	apigw	DeleteUsagePlan
Downgrading usage plan	apigw	DemoteServiceUsagePlan
Getting API details	apigw	DescribeApi
Getting API environment policy	apigw	DescribeApiEnvironmentStrategy
Getting API key details	apigw	DescribeApiKey

Getting key list	apigw	DescribeApiKeysStatus
Querying API list	apigw	DescribeApisStatus
Getting API usage plan	apigw	DescribeApiUsagePlan
Getting service details	apigw	DescribeService
Getting the uploaded data of service environment key monitoring	apigw	DescribeServiceEnvironmentKeyMonitorUpload
Getting service environment list	apigw	DescribeServiceEnvironmentList
Creating service release version	apigw	DescribeServiceReleaseVersion
Querying service list	apigw	DescribeServicesStatus
Getting service sub-domain list	apigw	DescribeServiceSubDomains
Getting usage plan API key	apigw	DescribeUsagePlanSecretIds
Querying usage plant list	apigw	DescribeUsagePlansStatus
Disabling key	apigw	DisableApiKey
Enabling key	apigw	EnableApiKey
Generating API document	apigw	GenerateApiDocument
Modifying API	apigw	ModifyApi
Modifying IP policy	apigw	ModifyIPStrategy
Modifying service	apigw	ModifyService
Modifying the configuration of service environment monitoring data upload	apigw	ModifyServiceEnvironmentKeyMonitorUpload
Modifying service environment policy	apigw	ModifyServiceEnvironmentStrategy
Modifying sub-domain name	apigw	ModifySubDomain
Modifying usage plan	apigw	ModifyUsagePlan
Publishing service	apigw	ReleaseService
Debugging API	apigw	RunApi
Unbinding environment	apigw	UnBindEnvironment

Unbinding key	apigw	UnBindSecretIds
Unbinding sub-domain name	apigw	UnBindSubDomain
Deactivating environment	apigw	UnReleaseService
Updating API key	apigw	UpdateApiKey
Modifying service	apigw	UpdateService

CKafka

Last updated：2024-01-24 17:20:22

Based on the open-source Apache Kafka message queuing engine, Tencent Cloud Kafka (CKafka) provides high-throughput and highly scalable message queuing services. It is perfectly compatible with Apache Kafka APIs v0.9, v0.10, and v1.1 and has greater advantages in terms of performance, scalability, business security, and OPS, allowing you to enjoy powerful features at low costs while eliminating tedious OPS work.
CKafka operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Adding partition	ckafka	AddPartition
Adding route	ckafka	AddRoute
Creating partition	ckafka	CreatePartition
Adding route	ckafka	CreateRoute
Creating topic	ckafka	CreateTopic
Adding topic allowlist	ckafka	CreateTopicIpWhiteList
Deleting route	ckafka	DeleteRoute
Deleting topic	ckafka	DeleteTopic
Deleting topic allowlist	ckafka	DeleteTopicIpwhitelist
Listing message groups	ckafka	DescribeConsumerGroup
Getting instance attribute	ckafka	DescribeInstanceAttributes
Getting instance list	ckafka	DescribeInstances
Getting route details	ckafka	DescribeRoute
Getting topic list	ckafka	DescribeTopic
Getting topic attribute	ckafka	DescribeTopicAttributes
Getting instance attribute	ckafka	GetInstanceAttributes
Getting topic attribute	ckafka	GetTopicAttributes
Listing consumer groups	ckafka	ListConsumerGroup

Getting instance list	ckafka	ListInstance
Getting route details	ckafka	ListRoute
Getting topic list	ckafka	ListTopic
Setting CKafka message forwarding to COS	ckafka	ModifyForward
Setting instance attribute	ckafka	ModifyInstanceAttributes
Modifying topic attribute	ckafka	ModifyTopicAttributes

Video Services
LVB

Last updated：2024-01-24 17:20:22

Relying on Tencent's powerful technical platforms, Tencent Cloud Live Video Broadcasting (LVB) opens up the underlying capabilities of core Tencent businesses such as Tencent Video to users, providing professional, stable, and fast live streaming access and distribution services that feature advantages such as low latency, high security, high performance, easy connection, multi-device compatibility, and support for multiple bitrates. It fully meets the audio/video requirements for ultra-low latency and ultra-high concurrence and provides Tencent's proprietary push and player SDKs, enabling you to customize your own push and playback applications.

LVB operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Delaying playback	live	AddDelayLiveStream
Adding domain name	live	AddLiveDomain
Adding watermark	live	AddLiveWatermark
Binding certificate to domain name	live	BindLiveDomainCert
Disabling real-time logging	live	CloseRealTimeLogAnalysis
Adding top speed codec configuration	live	CreateLiveAiTranscodeConf
Creating live streaming IM information	live	CreateLiveAvcInfo
Creating callback rule	live	CreateLiveCallbackRule
Creating callback template	live	CreateLiveCallbackTemplate
Adding certificate	live	CreateLiveCert
Adding domain name policy	live	CreateLiveDomainStrategy
Creating instance recording task	live	CreateLiveInstantRecord
Creating instant screencapturing task	live	CreateLiveInstantSnapshot
Creating recording task	live	CreateLiveRecord
Creating recording rule	live	CreateLiveRecordRule
Creating recording template	live	CreateLiveRecordTemplate

Creating screencapturing rule	live	CreateLiveSnapshotRule
Creating screencapturing template	live	CreateLiveSnapshotTemplate
Creating transcoding rule	live	CreateLiveTranscodeRule
Creating transcoding template	live	CreateLiveTranscodeTemplate
Creating watermarking rule	live	CreateLiveWatermarkRule
Creating log topic	live	CreateLogAnalysisTheme
Adding pull configuration	live	CreatePullStreamConfig
Deleting callback rule	live	DeleteLiveCallbackRule
Deleting log topic	live	DeleteLogAnalysisTheme
Querying director list	live	DescribeCasterList
LVB Console homepage	live	DescribeLiveQcloudCom
Disconnecting live stream	live	DropLiveStream
Modifying room information of application	live	ModifyLiveAvcAccountInfo
Modifying or creating license	live	ModifyLiveLicense
Modifying log topic	live	ModifyLogAnalysisTheme
Enabling real-time logging	live	OpenRealTimeLogAnalysis
Switching from old AVC application to new one	live	UpDowngradeAvcInfo

TRTC

Last updated：2024-01-24 17:20:22

Leveraging Tencent's 21 years of experience in network and audio/video technologies, Tencent Real-Time Communication (TRTC) offers solutions for multi-person audio/video call and low-latency interactive live streaming. With TRTC, you can quickly develop cost-effective, low-latency, and high-quality interactive audio/video services. The following table lists the TRTC operations supported by CloudAudit:

Operation	Resource Type	Event Name
Create exception information	trtc	CreateTroubleInfo
Query exceptional event	trtc	DescribeAbnormalEvent
Query real-time network status	trtc	DescribeRealtimeNetwork
Query real-time quality data	trtc	DescribeRealtimeQuality
Query real-time scale	trtc	DescribeRealtimeScale
Query room list	trtc	DescribeRoomInformation
Dismiss room	trtc	DismissRoom
Remove user	trtc	RemoveUser
Start On-Cloud MixTranscoding	trtc	StartMCUMixTranscode
Stop On-Cloud MixTranscoding	trtc	StopMCUMixTranscode

VOD

Last updated：2024-01-24 17:20:22

Relying on Tencent's many years of experience in audio/video processing and cutting-edge infrastructure, Tencent Cloud Video on Demand (VOD) provides one-stop solutions for storage management, transcoding, content delivery, and communications of audio/video files to customers that operate audio/video applications.

VOD operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Processing video	vod	ProcessFile

Tencent Cloud

Video Services
CI

Last updated：2024-01-24 17:20:22

Cloud Infinite (CI) is a professional integrated image solution provided by Tencent Cloud, covering image upload, download, storage, processing, and recognition and opening up Qzone's decade of image service experience to developers. Currently, it provides various features such as image scaling, cropping, watermarking, transcoding, and content audit and delivers efficient and accurate image recognition and processing services, helping reduce labor costs and truly implement AI.

CI operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Canceling task	ci	CancelMediaJob
Creating ASR bucket	ci	CreateAsrBucket
Creating audit task	ci	CreateAuditingJobs
Binding bucket	ci	CreateMediaBucket
Creating task	ci	CreateMediaJobs
Creating template	ci	CreateMediaTemplate
Creating workflow	ci	CreateMediaWorkflow
Unbinding ASR bucket	ci	DeleteAsrBucket
Unbinding bucket	ci	DeleteMediaBucket
Deleting template	ci	DeleteMediaTemplate
Deleting workflow	ci	DeleteMediaWorkflow
Getting ASR bucket list	ci	DescribeAsrBuckets
Getting ASR queue	ci	DescribeAsrQueues
Getting audit task	ci	DescribeAuditingJobs
Getting bucket	ci	DescribeMediaBuckets
Getting task	ci	DescribeMediaJob

Getting task list	ci	DescribeMediaJobs
Getting queue	ci	DescribeMediaQueues
Getting template	ci	DescribeMediaTemplates
Getting workflow execution instance	ci	DescribeMediaWorkflowExecutions
Getting workflow	ci	DescribeMediaWorkflows
Modifying ASR queue	ci	UpdateAsrQueue
Modifying queue	ci	UpdateMediaQueue
Modifying template	ci	UpdateMediaTemplate
Updating workflow	ci	UpdateMediaWorkflow

Big Data Platform EMR

Last updated：2024-01-24 17:23:23

Combining cloud computing and community open-source technologies such as Hadoop, Hive, Spark, and Storm, Tencent Cloud Elastic MapReduce (EMR) provides secure and cost-effective cloud-based Hadoop services featuring high reliability and elastic scalability. A secure and reliable Hadoop cluster can be created in a matter of minutes to analyze petabytes of data stored on the data nodes in the cluster or in COS.

EMR operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Adding auto scaling specification	emr	AddAutoScaleSpec
Adding configuration group	emr	AddConfigGroup
Getting metric load scaling rule	emr	AddMetricScaleStrategy
Adding node specification configuration	emr	AddNodeResourceConfig
Verifying custom configuration parameter	emr	CheckCustomConfig
Checking the network connection of Hive metastore	emr	CheckMetaDBNet
Creating EMR instance	emr	CreateInstance
Deleting auto scaling specification	emr	DeleteAutoScaleSpec
Deleting auto scaling rule	emr	DeleteAutoScaleStrategy
Deleting configuration group	emr	DeleteConfigGroup
Deleting node specification configuration	emr	DeleteNodeResourceConfig
Getting global auto scaling configuration	emr	DescribeAutoScaleGlobalConf
Getting auto scaling metadata	emr	DescribeAutoScaleMetaRange
Getting auto scaling history	emr	DescribeAutoScaleRecords
Getting auto scaling specification	emr	DescribeAutoScaleSpecs
Getting auto scaling rule	emr	DescribeAutoScaleStrategies

Getting auto scaling allowlist	emr	DescribeAutoScaleWhiteList
Getting boot script	emr	DescribeBootScript
Describing CBS encryption	emr	DescribeCbsEncrypt
Querying TencentDB instance price	emr	DescribeCdbPrice
Querying hardware node information of EMR cluster	emr	DescribeClusterNodes
Describing configuration group	emr	DescribeConfigGroup
Querying CVM instance specification	emr	DescribeCvmSpec
Describing cluster termination information	emr	DescribeDestroyInfo
Getting spread placement group information	emr	DescribeDisasterRecoverGroup
Getting unified Hive metastore information	emr	DescribeEmrMetaDB
Querying EMR role	emr	DescribeEmrRole
Querying export configuration	emr	DescribeExportConfs
Querying the list of configuration files that can be exported	emr	DescribeExportConfsList
Configuring page and pulling the list of file IPs	emr	DescribeFileIps
Querying the number of EMR cluster processes	emr	DescribeFlowNum
Querying EMR instance process status	emr	DescribeFlowStatus
Querying the details of EMR task running status	emr	DescribeFlowStatusDetail
Getting the overview of HBase table monitoring data	emr	DescribeHbaseTableMetricDataOverview
Getting installation component information	emr	DescribeInstallSoftwareInfo
Displaying alarm information	emr	DescribeInstanceAlerts
Getting alias	emr	DescribeInstanceAlias
Getting instance operation log	emr	DescribeInstanceOplog
Querying EMR instance	emr	DescribeInstances
Getting monitoring metric values at different	emr	DescribeMetricsDimension

levels		
Querying configuration adjustment order	emr	DescribeModifyGoodsDetail
Getting node specification configuration	emr	DescribeNodeResourceConfig
Quickly getting node specification configuration	emr	DescribeNodeResourceConfigFast
Querying optional specification allowlist	emr	DescribeOptionalSpecWhiteList
Querying renewal order	emr	DescribeRenewGoodsDetail
Describing expandable service	emr	DescribeScaleoutableService
Querying expansion order	emr	DescribeScaleoutGoodsDetail
Getting EMR security group	emr	DescribeSecurityGroup
Querying service configuration	emr	DescribeServiceConfs
Querying service group information	emr	DescribeServiceGroups
Querying service process information	emr	DescribeServiceNodeInfos
Describing EMR subtask process	emr	DescribeSubJobFlowStatus
Getting account balance	emr	DescribleAccountBalance
Generating cluster creation order	emr	GenerateCreateGoodsDetail
Generating configuration adjustment order	emr	GenerateModifyGoodsDetail
Generating renewal order	emr	GenerateRenewGoodsDetail
Generating expansion order	emr	GenerateScaleoutGoodsDetail
Querying the parameters of EMR cluster creation order	emr	GetCreateGoodsDetail
Querying price for instance creation	emr	InquiryPriceCreateInstance
Querying price for renewal	emr	InquiryPriceRenewInstance
Querying price for expansion	emr	InquiryPriceScaleOutInstance
Querying price for configuration adjustment	emr	InquiryPriceUpdateInstance
Activating COS	emr	InstallCos
Installing component	emr	InstallSoftware

Getting configuration distribution log	emr	ListConfLogs
Updating global auto scaling configuration	emr	ModifyAutoScaleGlobalConf
Modifying auto scaling rule	emr	ModifyAutoScaleStrategy
Modifying boot script	emr	ModifyBootScript
Modifying configuration group	emr	ModifyConfigGroup
Modifying cluster name	emr	ModifyInstanceBasic
Adjusting instance configuration	emr	ModifyResource
Modifying service component parameter	emr	ModifyServiceParams
Modifying rule priority	emr	ModifyStrategyPriority
Restarting component service	emr	RestartService
Configuring rollback	emr	RollBackConf
Expanding instance capacity	emr	ScaleOutInstance
Setting default node specification configuration attribute	emr	SetNodeResourceConfigDefault
Starting component monitoring	emr	StartMonitor
Starting component service	emr	StartService
Stopping component monitoring	emr	StopMonitor
Stopping component service	emr	StopService
Checking sync configuration	emr	SynchronizeGroupConfCheck
Terminating all auto scaling nodes	emr	TerminateAutoScaleNodes
Terminating EMR instance	emr	TerminateInstance
Terminating node	emr	TerminateNodes
Terminating task node	emr	TerminateTasks
Updating proxy component password	emr	UpdateWebproxyPassword

ES

Last updated：2024-01-24 17:23:22

Tencent Cloud Elasticsearch Service (ES) is a highly available and scalable cloud-managed Elasticsearch service built by Tencent Cloud based on the open-source search engine Elasticsearch. It is fully compatible with the ELK architecture and widely used in businesses such as website search and navigation, enterprise-level search, service log exception monitoring, and clickstream analysis in fields like internet, gaming, and internet finance.
ES operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Creating ES cluster instance	es	CreateInstance
Terminating ES cluster instance	es	DeleteInstance
Querying ES cluster log	es	DescribeInstanceLogs
Querying instance operation log	es	DescribeInstanceOperations
Querying ES cluster instance	es	DescribeInstances
Restarting ES cluster instance	es	RestartInstance
Updating ES cluster instance	es	UpdateInstance
Upgrading ES cluster version	es	UpgradeInstance
Upgrading ES commercial feature	es	UpgradeLicense

Security Management
SOC

Last updated：2024-01-24 17:23:23

Security Operation Center (SOC) is a native unified security operation and management platform provided by Tencent Cloud, which has a rich set of features such as automated asset stocktaking, internet attack surface surveying, cloud security configuration risk inspection, compliance risk assessment, traffic threat detection, leakage monitoring, log audit, retrieval, and investigation, security orchestration, automation, and response (SOAR), and security visualization. With the aid of SOC, you can implement a visualized and automated one-stop cloud security operation and management process including pre-event prevention, mid-event monitoring and threat detection, and post-event response and processing.

SOC operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Manipulating leakage monitoring data	ssa	SaDivulgeDataOperate
Deleting monitoring scanning rule policy	ssa	SaDivulgeScanRuleDelete
Setting monitoring scanning rule policy for service configured with leakage monitoring	ssa	SaDivulgeScanRuleMutate
Deleting the allowlist for service leakage monitoring	ssa	SaDivulgeScanWhiteDelete
Setting the allowlist for service leakage monitoring	ssa	SaDivulgeScanWhiteMutate
Confirming the SLA protocol for security intelligence and quick leakage scanning	ssa	SaIntelligenceYdVulScanSlaSet
Activating SSA	ssa	SaSecProductOpen
Setting weekly security report configuration	ssa	SaSecWeeklySetConfig
Reporting user behavior	ssa	SaUserBehaviorReport
Customizing user log and name information	ssa	SaUserLogoModify

Data Security
KMS

Last updated：2024-01-24 17:23:22

Tencent Cloud Key Management Service (KMS) is a security management solution that lets you to easily create and manage keys and protect their confidentiality, integrity, and availability, helping meet your key management and compliance needs in multi-application and multi-business scenarios.

KMS operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Decrypting with RSA asymmetric key	kms	AsymmetricRsaDecrypt
Decrypting with SM2 asymmetric key	kms	AsymmetricSm2Decrypt
Binding key to Tencent Cloud resource	kms	BindCloudResource
Canceling the scheduled deletion of CMK	kms	CancelKeyDeletion
Creating CMK	kms	CreateKey
Creating white-box key	kms	CreateWhiteBoxKey
Decrypting	kms	Decrypt
Deleting imported key material	kms	DeleteImportedKeyMaterial
Deleting white-box key	kms	DeleteWhiteBoxKey
Getting CMK attribute	kms	DescribeKey
Getting attributes of multiple CMKs	kms	DescribeKeys
Getting white-box decryption key	kms	DescribeWhiteBoxDecryptKey
Getting the device fingerprint list of specified key	kms	DescribeWhiteBoxDeviceFingerprints
Getting the service status of white-box key	kms	DescribeWhiteBoxServiceStatus
Disabling CMK	kms	DisableKey
Disabling key rotation	kms	DisableKeyRotation
Disabling CMKs in batches	kms	DisableKeys

Disabling white-box key	kms	DisableWhiteBoxKey
Disabling white-box keys in batches	kms	DisableWhiteBoxKeys
Enabling CMK	kms	EnableKey
Enabling key rotation	kms	EnableKeyRotation
Enabling CMKs in batches	kms	EnableKeys
Enabling white-box key	kms	EnableWhiteBoxKey
Enabling white-box keys in batches	kms	EnableWhiteBoxKeys
Encrypting	kms	Encrypt
Encrypting with white-box key	kms	EncryptByWhiteBox
Generating data key	kms	GenerateDataKey
Generating random number	kms	GenerateRandom
Getting CMK attribute	kms	GetKeyAttributes
Querying key rotation status	kms	GetKeyRotationStatus
Getting the parameters of imported CMK material	kms	GetParametersForImport
Getting the public key of asymmetric key	kms	GetPublicKey
Getting the region where the service is available	kms	GetRegions
Querying service status	kms	GetServiceStatus
Importing key material	kms	ImportKeyMaterial
Listing encryption methods supported in the current region	kms	ListAlgorithms
Getting CMK list	kms	ListKey
Getting CMK list details	kms	ListKeyDetail
Getting CMK list	kms	ListKeys
Overwriting the device fingerprint information of specified key	kms	OverwriteWhiteBoxDeviceFingerprints
Refreshing ciphertext	kms	ReEncrypt

Scheduling CMK deletion	kms	ScheduleKeyDeletion
Modifying CMK attribute	kms	SetKeyAttributes
Unbinding CMK from Tencent Cloud resource	kms	UnbindCloudResource
Modifying alias	kms	UpdateAlias
Modifying CMK description	kms	UpdateKeyDescription

Application Security WAF

Last updated：2024-01-24 17:23:23

Tencent Cloud Web Application Firewall (WAF) is an AI-based one-stop web business risk prevention solution. Backed by Tencent Cloud's security big data detection capabilities and 19 years of experience in internal web business protection, it comprehensively protects the security of website systems and businesses through defense policies in multiple dimensions, including web intrusion prevention, zero-day vulnerability patch, malicious access penalty, and cloud backup for anti-tampering.

The following table lists the WAF operations supported by CloudAudit:

Operation	Resource Type	Event Name
Add anti-tampering URL	waf	AddAntiFakeUrl
Add information leakage prevention rule	waf	AddAntiInfoLeakRules
Add API rule	waf	AddApiRule
Add banned region	waf	AddAreaBanAreas
Add custom blocking page	waf	AddBlockPage
Add custom payload	waf	AddCustomPayload
Add custom policy	waf	AddCustomRule
Add domain name rule allowlist	waf	AddDomainWhiteRule
Add Sparta protected domain name	waf	AddSpartaProtection
Apply custom blocking page to domain name	waf	ApplyBlockPage
Copy Bot_V2 TCB policy domain name	waf	CopyBotTCBRule
Copy Bot_V2 UCB custom policy	waf	CopyBotUCBFeatureRules
Copy Bot_V2 UCB preset policy	waf	CopyBotUCBPreinstallRule
Add WAF Sparta cache path	waf	CreateCachePath
Create postpaid CLS instance	waf	CreateClsForAfterpay
Copy region ban to another domain name	waf	CreateCopyAreaBan

Copy custom rule to another domain name	waf	CreateCopyCustomRule
Add domain name for DNS hijacking detection	waf	CreateDNSDetectDomain
Add protected domain name	waf	CreateHost
Create business allowlist	waf	CreateWhiteList
Delete anti-tampering URL	waf	DeleteAntiFakeUrl
Delete information leakage prevention rule	waf	DeleteAntiInfoLeakRule
Delete attack log download task record	waf	DeleteAttackDownloadRecord
Delete custom blocking page	waf	DeleteBlockPage
Delete WAF CC V2 rule	waf	DeleteCCRule
Delete WAF Sparta cache path	waf	DeleteCachePath
Delete custom payload	waf	DeleteCustomPayloads
Delete custom rule	waf	DeleteCustomRule
Delete domain name under DNS hijacking detection	waf	DeleteDNSDetectDomain
Delete domain name rule allowlist	waf	DeleteDomainWhiteRules
Delete access log download record	waf	DeleteDownloadRecord
Delete CLB-WAF protected domain name	waf	DeleteHost
Delete WAF IP blocklist/allowlist	waf	DeleteIpAccessControl
Delete session settings for CC attack	waf	DeleteSession
Delete WAF Sparta protected domain name	waf	DeleteSpartaProtection
Delete business allowlist	waf	DeleteWhiteList
Refresh anti-tampering URL	waf	FreshAntiFakeUrl
Manually import API rule	waf	ImportApiRules
Train model	waf	ModifyAIModelai
Edit anti-tampering URL	waf	ModifyAntiFakeUrl
Enable or disable anti-tampering	waf	ModifyAntiFakeUrlStatus

Enable or disable information leakage prevention rule	waf	ModifyAntiInfoLeakRuleStatus
Edit information leakage prevention rule	waf	ModifyAntiInfoLeakRules
Modify region information in region ban	waf	ModifyAreaBanAreas
Modify region ban status	waf	ModifyAreaBanStatus
Enable or disable Bot_V2 bot	waf	ModifyBotStatus
Update Bot_V2 TCB policy	waf	ModifyBotTCBRule
Update Bot_V2 UCB preset rule	waf	ModifyBotUCBPreinstallRule
Cache WAF Sparta cache path	waf	ModifyCachePath
Edit custom rule	waf	ModifyCustomRule
Enable or disable custom policy	waf	ModifyCustomRuleStatus
Edit domain name for DNS hijacking detection	waf	ModifyDNSDetectDomain
Modify rule	waf	ModifyDomainWhiteRule
Enable or disable access log for domain name list	waf	ModifyDomainsCLSStatus
Enable or disable WAF for domain name list	waf	ModifyDomainsStatus
Edit protected domain name	waf	ModifyHost
Enable or disable access log for domain name	waf	ModifyHostAccessLogStatus
Set the traffic mode of protected domain name	waf	ModifyHostFlowMode
Set the protection status of protected domain name	waf	ModifyHostMode
Enable or disable WAF for protected domain name	waf	ModifyHostStatus
Enable or disable QPS elastic billing for instance	waf	ModifyInstanceElasticMode
Enable or disable auto-renewal for instance	waf	ModifyInstanceRenewFlag
Update frontend defense rule	waf	ModifyJsInjectRule
Update the status of frontend defense rule	waf	ModifyJsInjectRuleStatus
Set auto-renewal for package	waf	ModifyPackageRenew
Change protection level	waf	ModifyProtectionLevel

Enable or disable WAF Sparta	waf	ModifyProtectionStatuswaf
Enable or disable auto-renewal for WAF version	waf	ModifySpartaPackageRenewSparta
Modify domain name configuration	waf	ModifySpartaProtection
Set WAF protection status	waf	ModifySpartaProtectionMode
Set webshell status	waf	ModifyWebshellStatus
Update business allowlist	waf	ModifyWhiteList
Create attack log search and download task	waf	PostAttackDownloadTask
Refresh the result of integration check	waf	RefreshAccessCheckResult
Enable or disable API rule	waf	SwitchApiRules
Enable or disable domain name rule	waf	SwitchDomainRules
Enable or disable domain name allowlist	waf	SwitchDomainWhiteRules
Enable or disable elastic QPS	waf	SwitchElasticMode
Update Bot_V2 UCB policy	waf	UpsertBotUCBFeatureRule
Update WAF Sparta automatic CC blocking status	waf	UpsertCCAutoStatus
Upsert WAF CC V2	waf	UpsertCCRule
Specify whether to pass through client IP and port	waf	UpsertClientMsg
Upsert WAF IP blocklist/allowlist	waf	UpsertIpAccessControl
Upsert session definition	waf	UpsertSessionWaf
Query download record	waf	WafDownloadRecords
Download query log	waf	WafDownloadlogs

Management and Audit
CloudAudit

Last updated：2024-01-24 17:23:23

With CloudAudit (CA), you can get the history of API calls under your Tencent Cloud account, including those made through the Tencent Cloud Console, Tencent Cloud SDK, CLI, and other Tencent Cloud services, to monitor any deployment behaviors in Tencent Cloud. You can determine which sub-users and collaborators use TencentCloud API, from which source IP addresses calls are made, and when calls are made. You can configure multiple tracking sets to track different logs and control when to enable or disable CloudAudit logging at any time.
CloudAudit operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Searching log	cloudaudit	LookUpEvents
Creating CloudAudit instance	cloudaudit	CreateAudit
Deleting CloudAudit instance	cloudaudit	DeleteAudit
Getting the search scope of event	cloudaudit	GetEventNameSearchValue
GetSearchValueRange	cloudaudit	GetSearchValueRange
Pulling CloudAudit instance list	cloudaudit	ListAudits
Searching for sensitive operation log	cloudaudit	LookupSensitiveEvents
Enabling log collection	cloudaudit	StartLogging
Disabling log collection	cloudaudit	StopLogging
Updating CloudAudit	cloudaudit	UpdateAudit

CAM

Last updated：2024-01-24 17:23:23

Cloud Access Management (CAM) is a web-based Tencent Cloud service that helps you securely manage and control access permissions, resources, and use permissions of your Tencent Cloud account. Using CAM, you can create, manage, and terminate users (groups), and control the Tencent Cloud resources that can be used by the specified user through identity and policy management.

CAM operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Adding sub-user with only console permissions	cam	AddConsoleUser
Adding user	cam	AddSubAccount
Creating sub-user	cam	AddSubAccountCheckingMFA
Adding users to user group in batches	cam	AddSubAccountsToGroup
Adding sub-user	cam	AddUser
Adding user to user group	cam	AddUserToGroup
Binding multiple policies to user group	cam	AttachGroupPolicies
Binding policy to user group	cam	AttachGroupPolicy
Binding policy to multiple user groups	cam	AttachGroupsPolicy
Binding multiple policies to role	cam	AttachRolePolicies
Binding policy to role	cam	AttachRolePolicy
Binding policy to multiple roles	cam	AttachRolesPolicy
Binding multiple policies to user	cam	AttachUserPolicies
Binding policy to user	cam	AttachUserPolicy
Binding policy to multiple users	cam	AttachUsersPolicy
Performing batch binding	cam	BatchOperateCamStrategy
Binding token	cam	BindToken
Checking sub-user name	cam	CheckSubAccountName

Querying whether the user is associated with any policies	cam	CheckUserPolicyAttachment
Verifying custom MFA token	cam	ConsumeCustomMFAToken
Creating access key	cam	CreateAccessKey
Creating API key	cam	CreateApiKey
Creating sub-account key	cam	CreateCollApiKey
Creating user group	cam	CreateGroup
Adding policy	cam	CreatePolicy
CreatePolicyVersion	cam	CreatePolicyVersion
Creating project key	cam	CreateProjectKey
Creating role	cam	CreateRole
Creating role in console	cam	CreateRoleByConsole
Creating SAML identity provider	cam	CreateSAMLProvider
Creating sub-account binding limit	cam	CreateSubAccountBindPolicy
Creating sub-account login IP policy	cam	CreateSubAccountLoginIpPolicy
Adding user	cam	CreateSubAccounts
Creating sub-account invitation QR code	cam	CreateSubUserInviteQRCode
Deleting access key	cam	DeleteAccessKey
Deleting API key	cam	DeleteApiKey
Deleting sub-account key	cam	DeleteCollApiKey
Deleting entity permission boundary	cam	DeleteEntitiesPermissionsBoundary
Deleting user group	cam	DeleteGroup
Deleting policy	cam	DeletePolicy
DeletePolicyVersion	cam	DeletePolicyVersion
Deleting project key	cam	DeleteProjectKey
Deleting role	cam	DeleteRole

Deleting role permission boundary	cam	DeleteRolePermissionsBoundary
Deleting SAML identity provider	cam	DeleteSAMLProvider
Deleting user	cam	DeleteSubAccount
Deleting sub-user	cam	DeleteUser
Querying assisting approver	cam	DescribeAssistApprover
Getting policy details	cam	DescribeCamStrategyDetail
Getting role list	cam	DescribeRoleList
Viewing sub-account binding limit	cam	DescribeSubAccountBindPolicy
Viewing sub-account login IP policy	cam	DescribeSubAccountLoginIpPolicy
Unbinding multiple policies from user group	cam	DetachGroupPolicies
Unbinding policy from user group	cam	DetachGroupPolicy
Unbinding policy from multiple user groups	cam	DetachGroupsPolicy
Unbinding multiple policies from role	cam	DetachRolePolicies
Unbinding policy from role	cam	DetachRolePolicy
Unbinding policy from multiple roles	cam	DetachRolesPolicy
Unbinding multiple policies from user	cam	DetachUserPolicies
Unbinding policy from user	cam	DetachUserPolicy
Unbinding policy from multiple users	cam	DetachUsersPolicy
Disabling API key	cam	DisableApiKey
Deleting sub-account key	cam	DisableCollApiKey
Disabling project key	cam	DisableProjectKey
Enabling API key	cam	EnableApiKey
Enabling sub-account key	cam	EnableCollApiKey
Enabling project key	cam	EnableProjectKey
Getting account summary	cam	GetAccountSummary

Getting all sub-user information	cam	GetAllSubUser
Pulling API key	cam	GetApiKey
Getting the association information of custom MFA token	cam	GetCustomMFATokenInfo
Querying user group	cam	GetGroup
Getting CAM password setting rule	cam	GetPasswordRules
Viewing policy details	cam	GetPolicy
GetPolicyVersion	cam	GetPolicyVersion
Pulling project key	cam	GetProjectKey
Getting role details	cam	GetRole
Getting security settings overview information	cam	GetSafeAuthInfo
Querying the information of SAML identity provider	cam	GetSAMLProvider
Pulling sub-user binding information	cam	GetSubAccountBindInfo
Pulling sub-user information	cam	GetUser
Pulling basic user information	cam	GetUserBasicInfo
Listing access keys	cam	ListAccessKeys
Querying policies associated with all user groups	cam	ListAllGroupsPolicies
Viewing the list of policies associated with user group	cam	ListAttachedGroupPolicies
Viewing the list of policies associated with role	cam	ListAttachedRolePolicies
Listing all policies associated with user (including those associated with user group)	cam	ListAttachedUserAllPolicies
Viewing the list of policies associated with user	cam	ListAttachedUserPolicies
Viewing the list of entities associated with policy	cam	ListEntitiesForPolicy
Getting user group list	cam	ListGroups
Querying the list of user groups associated with user	cam	ListGroupsForUser
Querying the policies associated with user group in batches	cam	ListGroupsPolicies

Querying identity provider list	cam	ListIdentityProvider
Listing all policies	cam	ListPolicies
ListPolicyVersions	cam	ListPolicyVersions
Getting message recipient list	cam	ListReceiver
Querying SAML identity provider list	cam	ListSAMLProviders
Getting user list	cam	ListSubAccounts
Pulling sub-user list	cam	ListUsers
Querying the list of users associated with user group	cam	ListUsersForGroup
Listing all users associated with policy (including those in associated user groups)	cam	ListUsersForPolicy
Logging out role	cam	LogoutRoleSessions
Pulling the last login information	cam	LookupRecentlyLogin
Passing role	cam	PassRole
Setting entity permission boundary	cam	PutEntitiesPermissionsBoundary
Setting role permission boundary	cam	PutRolePermissionsBoundary
Pulling API key list	cam	QueryApiKey
Querying sub-account key list	cam	QueryCollApiKey
Pulling project key list	cam	QueryProjectKeyList
Deleting user from user group	cam	RemoveUserFromGroup
Sending sub-account information	cam	SendSubAccountInfo
SetDefaultPolicyVersion	cam	SetDefaultPolicyVersion
Setting security protection	cam	SetSafeAuthFlag
Unbinding soft token	cam	UnbindStoken
Unbinding sub-user login method	cam	UnbindSubAccount
Updating access key	cam	UpdateAccessKey
Updating role trust policy	cam	UpdateAssumeRolePolicy

Updating policy	cam	UpdateCamStrategy
Updating user group	cam	UpdateGroup
Updating CAM password setting rule	cam	UpdatePasswordRules
Modifying policy	cam	UpdatePolicy
Modifying role login permission	cam	UpdateRoleConsoleLogin
Updating role remarks	cam	UpdateRoleDescription
Updating SAML identity provider information	cam	UpdateSAMLProvider
Updating user	cam	UpdateSubAccount
Updating sub-account attribute	cam	UpdateSubAccountAttr
Updating sub-user	cam	UpdateUser

Cloud Resource Management Tag

Last updated：2024-01-24 17:34:04

As the number of Tencent Cloud user resources grows, user resource management becomes more and more difficult. To help you query and manage various resources more quickly and efficiently, Tencent Cloud provides the Tag service, which allows you to manage existing Tencent Cloud resources by category and schedule them with preset tags. Tags are words and phrases serving as metadata used to identify and organize Tencent Cloud resources. The tag limit varies by resource type, and most resources can have up to 50 tags.
Tag operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Associating tag with resource	tag	AddResourceTag
Creating tag	tag	CreateTag
Deleting resource tag	tag	DeleteResourceTag
Deleting tag	tag	DeleteTag
Querying the list of businesses connected to Tag Console	tag	GetResourceMenu
Querying resource list through tag	tag	GetResourcesByTags
Querying resource tag	tag	GetResourceTags
Querying all tag keys and values of resource	tag	GetResourceTagsByResourceIds
Querying tag key	tag	GetTagKeys
Querying tag list	tag	GetTags
Querying tag value	tag	GetTagValues
Manipulating (adding, updating, or deleting) all resource tags in batches	tag	ModifyResourceTags
Modifying resource tag value	tag	UpdateResourceTagValue

Management and Support

Account

Last updated：2024-01-24 17:34:04

Tencent Cloud Account Center provides services such as account information management, identity verification information change, and account security management. After signing up for a Tencent Cloud account, you can manage your accounts in the Account Center Console conveniently and efficiently, saving your maintenance time costs.

Account operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Applying for account deregistration	account	ApplyAccountDeactivation
Associating account with secondary confirmation information	account	BindAccountByTicket
Associating account with email address	account	BindMailAccount
Binding token	account	BindToken
Modifying email account password	account	ChangeMailPassword
Logging in to account	account	ConsoleLogin
Creating identity verification FaceIn token	account	CreateAuthDetectToken
Modifying user email address	account	ModifyMail
Modifying user mobile number	account	ModifyPhoneNum
Viewing API key plaintext	account	QueryKeyBySecretId
Setting unusual login location protection	account	SetOffsiteLoginFlag
Setting security protection	account	SetSafeAuthFlag
Submitting bank card authentication information	account	SubmitBankAuthInfo
Submitting FaceIn identity verification information	account	SubmitDetectAuthInfo
Submitting basic information for organizational identity verification	account	SubmitEnterpriseBaseAuthInfo

Submitting Midas identity verification information	account	SubmitMidasAuthInfo
Submitting basic information for personal identity verification	account	SubmitPersonalBaseAuthInfo
Submitting top-up authentication information	account	SubmitTopUpAuthInfo
Unbinding account	account	UnbindAccount
Unbinding token	account	UnbindToken
Updating organization contact information	account	UpdateEnterpriseContact

Cloud Communications SMS

Last updated：2024-01-24 17:34:04

Leveraging Tencent's over a decade of SMS service technologies and experience, Tencent Cloud Short Message Service (SMS) provides Mainland China and global SMS services for platforms with hundreds of millions of users such as QQ and WeChat and over 100,000 customers. Mainland China verification SMS messages can arrive at user devices in seconds with a 99% delivery rate, and global SMS can be received in over 200 countries/regions with high stability and reliability. SMS aims to help you quickly and flexibly connect to premium text message and global SMS services.

SMS operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Exporting sending log	consolesms	SMS_AddDumpLogTask
Canceling export	consolesms	SMS_CancelDumpLogTask
Getting application type list	consolesms	SMS_GetAllBizList
Getting application details	consolesms	SMS_GetAPPInfo
Getting application list	consolesms	SMS_GetAPPList
Getting SMS user callback configuration	consolesms	SMS_GetCallbackList
Pulling frequency limit rule	consolesms	SMS_GetFreqRule
Getting frequency limit allowlist	consolesms	SMS_GetFrqWhiteList
Pulling contacts data	consolesms	SMS_GetNewsReceiver
Listing packages	consolesms	SMS_GetPackageList
Getting alarm	consolesms	SMS_GetPkgWarningThreshold
Getting SMS sending list	consolesms	SMS_GetSendList
Getting notice list	consolesms	SMS_GetSMSNotice
Getting SMS template list	consolesms	SMS_GetTPLList
Getting SMS signature details	consolesms	SMS_GetTPLSignInfo
SMS Console homepage	consolesms	SmsQcloudCom

TPNS

Last updated：2024-01-24 17:34:04

Tencent Push Notification Service (TPNS) provides a stable and fast application push service that features high delivery rate. Boasting industry-leading technical advantages, stable and reliable message push channels, and proprietary dual service architecture for session keep-alive, it is convenient and fast to access for effective improvement of the message delivery rate. It can push 18 million messages per minute and deliver them in a matter of seconds (sustaining in-app pushes for Tencent applications such as the Honor of Kings). In addition, it can precisely tag users for efficient lean operation of applications.

TPNS operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Adding vendor channel	tpns	AddChannelInfo
Canceling scheduled push task	tpns	CancelPush
Creating application	tpns	CreateApp
Creating product	tpns	CreateProduct
Pushing message	tpns	CreatePush
Creating push plan	tpns	CreatePushPlan
Deleting application	tpns	DeleteAppInfo
Deleting product	tpns	DeleteProductInfo
Querying account bound to device	tpns	DescribeAccountByToken
Querying application information	tpns	DescribeAppInfo
Querying vendor channel information	tpns	DescribeChannelInfo
Querying product information	tpns	DescribeProductInfo
Updating application information	tpns	ModifyAppInfo
Modifying product information	tpns	ModifyProductInfo
Uploading certificate	tpns	UploadCert
Uploading number package	tpns	UploadPushPackage

Gaming Services GME

Last updated：2024-01-24 17:34:04

Tencent Cloud Game Multimedia Engine (GME) is a high-quality and cost-effective one-stop voice solution. It covers a rich set of internet-based use cases such as gaming, social networking, entertainment, live streaming, and ecommerce and has various features like multi-player voice chat, 3D location voice, speech-to-text conversion, and phrase analysis.

GME operations supported by CloudAudit are as shown below:

Operation Name	Resource Type	Event Name
Creating GME application	gme	CreateApp
Creating application	gme	CreateApplication
Deleting recording file list	gme	DeleteRecordFileList
Querying the application list under account	gme	DescribeApplicationList
Getting application usage statistics	gme	DescribeAppStatistics
Getting porn detection usage data	gme	DescribePornStatistics
Querying recording file list	gme	DescribeRecordFileList
Getting voice message and voice-to-text conversion statistics	gme	DescribeVoiceMessageStatistics
Downloading usage data	gme	DownloadApplicationData
Downloading public/private key	gme	DownloadKey
Downloading recording file address list	gme	DownloadRecordFileUrlList
Modifying basic application information	gme	ModifyApplication
Modifying application switch status	gme	ModifyAppStatus
Modifying key	gme	ModifySecretKey

Education Services
TIW

Last updated：2024-01-24 17:34:04

Tencent Interactive Whiteboard (TIW) provides a complete set of multi-person real-time interactive whiteboard services to break the barriers for teacher-student information transfer during online teaching. Compared with traditional face-to-face teaching, it has more comprehensive, straightforward, and diverse features, such as interactive graffiti, real-time track sync, document sharing, media sharing, document transcoding, real-time recording and playback of whiteboard writing and audio/video. With high flexibility, ease of use, and scalability, it can help you deliver a vivid interactive experience comparable to offline teaching and significantly improve the quality of online teaching. Interactive Whiteboard operations supported by CloudAudit are as shown below:

Applying for TIW trial	tiw	ApplyTiwTrial
Creating TIW application	tiw	CreateApplication
Creating document transcoding task	tiw	CreateTranscode
Querying TIW application list	tiw	DescribeApplicationInfos
Querying the usage of each TIW sub-service	tiw	DescribeApplicationUsage
Querying the list of IM applications that are not TIW applications	tiw	DescribeIMApplications
Querying callback address for after-class recording	tiw	DescribeOfflineRecordCallback
Querying real-time recording task	tiw	DescribeOnlineRecord
Querying callback address for real-time recording	tiw	DescribeOnlineRecordCallback
Querying postpaid instance usage	tiw	DescribePostpaidUsage
Querying document transcoding task	tiw	DescribeTranscode
Querying callback address for document transcoding	tiw	DescribeTranscodeCallback
Querying the usage statistics of sub-service	tiw	DescribeUsageSummary
Querying resource list	tiw	DescribeUserResources
Querying TIW details	tiw	DescribeUserStatus
Querying TIW application configuration, including event callback address, resource bucket, etc.	tiw	DescribeWhiteboardApplicationConfig

Modifying TIW application	tiw	ModifyApplication
Modifying TIW application configuration	tiw	ModifyWhiteboardApplicationConfig
Pausing real-time recording	tiw	PauseOnlineRecord
Resuming real-time recording	tiw	ResumeOnlineRecord
Setting callback address	tiw	SetOfflineRecordCallback
Setting callback address for real-time recording	tiw	SetOnlineRecordCallback
Setting callback authentication key for real-time recording	tiw	SetOnlineRecordCallbackKey
Setting callback address for document transcoding	tiw	SetTranscodeCallback
Setting callback authentication key for document transcoding	tiw	SetTranscodeCallbackKey
Starting real-time recording	tiw	StartOnlineRecord
Stopping real-time recording	tiw	StopOnlineRecord

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