

Enterprise Content Delivery Network Statistical Analysis Product Documentation



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Contents

Statistical Analysis

- Statistics Overview

- Statistics of Access

- Status Code Statistics

Statistical Analysis

Statistics Overview

Last updated : 2020-04-28 14:50:53

ECDN provides the following data analysis and query tools to give you a comprehensive view of user access to your business resources:

Statistics Type	Description
Access statistics	You can view statistics of access to domain names and projects, including the number of requests, access traffic, and response time
Status code statistics	You can view the statistics of status codes of the acceleration service

Statistics of Access

Last updated : 2020-04-30 17:28:29


ECDN usage statistics allow you to query historical statistics and monitoring data. You can view metrics such as the number of requests, access traffic, and response time.

You can log in to the [ECDN Console](#) and click **Statistics** on the left sidebar to enter the [Usage Statistics](#) page and try out this feature.

Query Condition Description

- Time Period: you can query data in the last 12 calendar months with a maximum time span of 31 days.
- Project: you can query usage by project.
- Domain Name: you can query usage of the specified domain name.
- Granularity: it indicates the granularity of queried data and is subject to the selected time period.
 - i. If the selected time period is 1 day, you can query data at a granularity of 5 minutes, 15 minutes, 30 minutes, 1 hour, 2 hours, or 4 hours.
 - ii. If the selected time period is 2–3 days, you can query data at a granularity of 15 minutes, 30 minutes, 1 hour, 2 hours, or 4 hours.
 - iii. If the selected time period is 4–7 days, you can query data at a granularity of 30 minutes, 1 hour, 2 hours, or 4 hours.
 - iv. If the selected time period is 8–30 days, you can query data at a granularity of 1 hour, 2 hours, or 4 hours.

Query Filter

Period 

Project

Domain Name

Time Interval

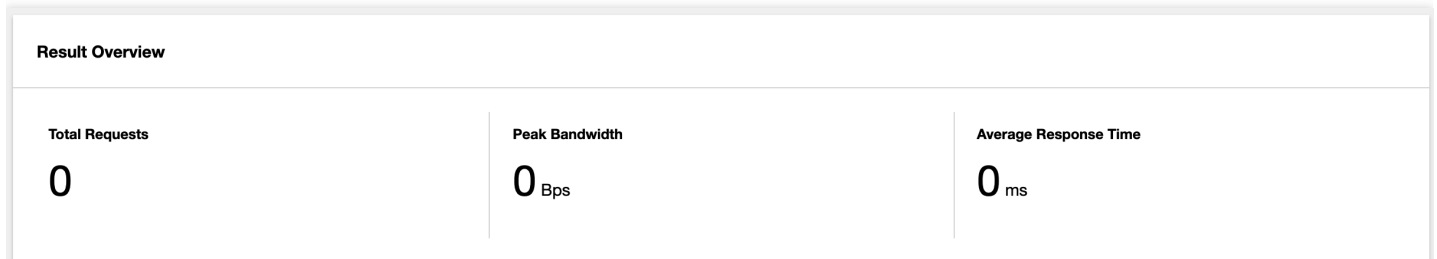
Notes on Usage Data Display

The usage data is displayed in three statistics modules:

- Query overview data: it displays the total usage statistics.
- Monitoring details: it displays detailed historical usage in curves.
- Domain name statistics: it displays usage of each domain name in a list.

Query details overview

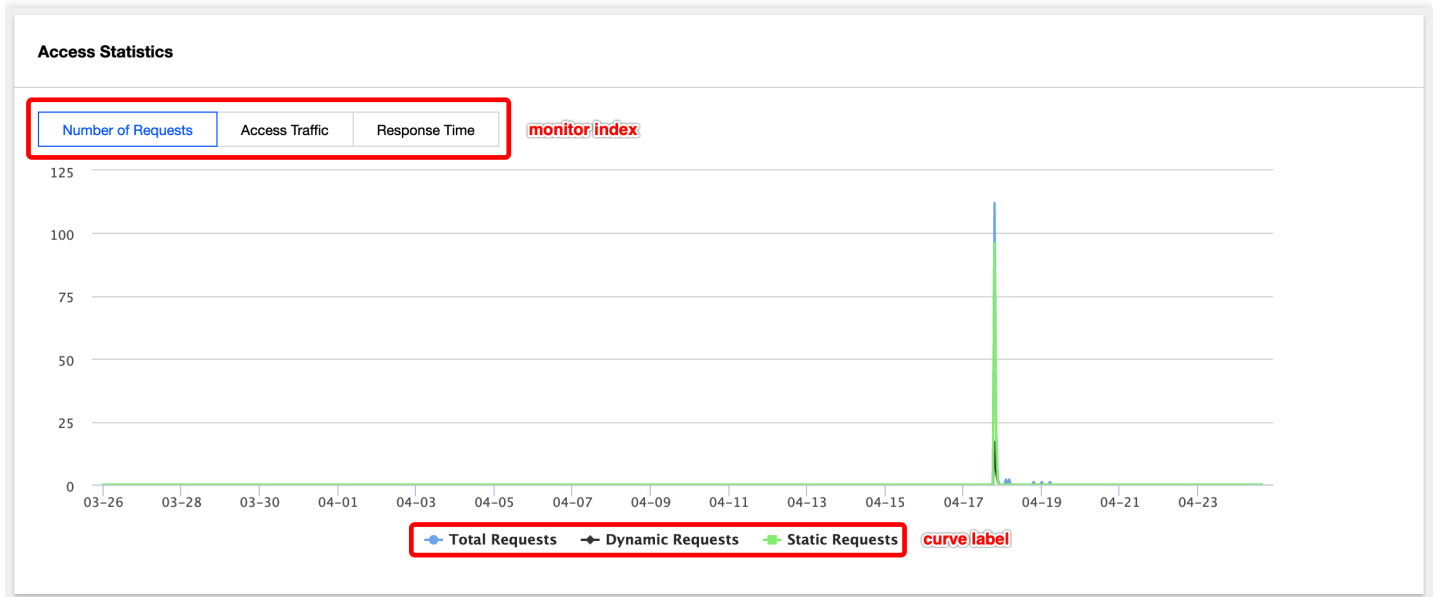
As shown below, the query details overview page displays statistics by account. You can quickly view the total usage in the specified query time period.



Access statistics

The access statistics section displays curves of historical monitoring data. You can view data of metrics in different categories.

- All domain names that were connected in the last 30 days, including deleted ones, will be included in the **All Domain Names** drop-down list.
- The real-time monitoring data on the current day is delayed for about 5 minutes. If you perform a query at 14:26:00, the query result will generally include data between 00:00:00 and 14:21:00 on the day.
- Monitoring statistics are grouped by granularity. For example, if the query granularity is 5-minute, statistics between 10:00:00 and 10:04:59 will be grouped to the 10:00:00 sample point.
- If the specified query time period is longer than the domain name connection period, only the statistics of the connection period will be displayed, while the time period during which the domain name has not been connected or has been deleted will be excluded.



Detailed domain name statistics

As shown below, the list of detailed domain name statistics displays the domain name usage details. You can sort different metrics to view the data.

Domain Name Statistics					
Domain Name	Total Requests	Dynamic Requests	Static Requests	Bandwidth	Average Response ...
██████████.com	142	23	116	6.33Kbps	1155ms

Status Code Statistics

Last updated : 2020-07-21 16:20:45

ECDN status code statistics allow you to query monitoring data of status codes. You can log in to the [ECDN Console](#) and click **Statistics** on the left sidebar to enter the [Status Code Statistics](#) page and try out this feature.

Query Condition Description

- Time Period: you can query data in the last 12 calendar months with a maximum time span of 31 days.
- Project: you can query usage by project.
- Domain Name: you can query usage of the specified domain name.
- Granularity: it indicates the granularity of queried data and is subject to the selected time period.
 - i. If the selected time period is 1 day, you can query data at a granularity of 5 minutes, 15 minutes, 30 minutes, 1 hour, 2 hours, or 4 hours.
 - ii. If the selected time period is 2-3 days, you can query data at a granularity of 15 minutes, 30 minutes, 1 hour, 2 hours, or 4 hours.
 - iii. If the selected time period is 4-7 days, you can query data at a granularity of 30 minutes, 1 hour, 2 hours, or 4 hours.
 - iv. If the selected time period is 8-30 days, you can query data at a granularity of 1 hour, 2 hours, or 4 hours.

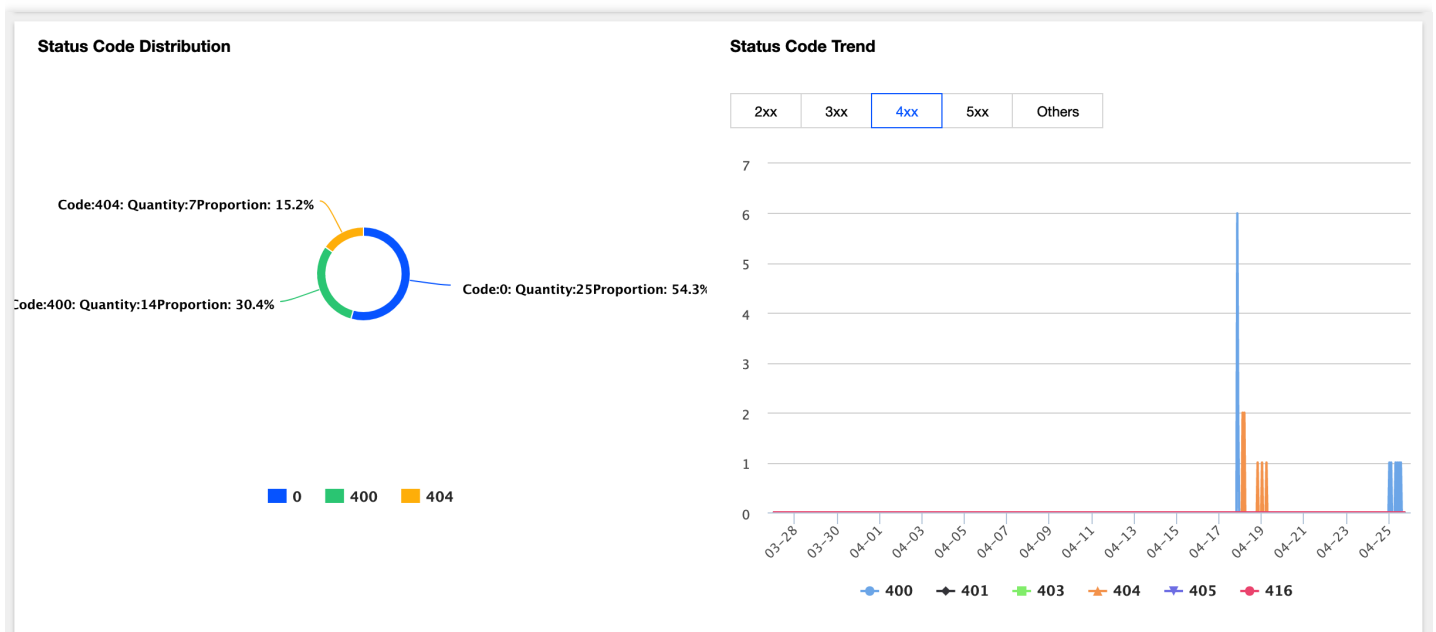
Query Filter

Period	<input type="text" value="2020-04-25 ~ 2020-04-25"/> 		
Project	<input type="text" value="Select All"/>	Domain Name	Time Interval
	<input type="text" value="Select All"/>	<input type="text" value="Select All"/>	<input type="text" value="5 minute(s)"/>

Notes on Status Code Data Display

Status code data can be displayed in two modes: status data distribution pie chart and status code trend curve. All data can be exported.

- All domain names that were connected in the last 30 days, including deleted ones, will be included in the **All Domain Names** drop-down list.
- The real-time monitoring data on the current day is delayed for about 5 minutes. If you perform a query at 14:26:00, the query result will generally include data between 00:00:00 and 14:21:00 on the day.
- Monitoring statistics are grouped by granularity. For example, if the query granularity is 5-minute, statistics between 10:00:00 and 10:04:59 will be grouped to the 10:00:00 sample point.
- If the specified query time period is longer than the domain name connection period, only the statistics of the connection period will be displayed, while the time period during which the domain name has not been connected or has been deleted will be excluded.
- To query monitoring data of multiple domain names or metrics, you can use the [GetDsaStatistics API](#).



Status Code Description

Category	Status Code	Description	Solution
2XX	200	The access succeeds.	A 2XX status code generally indicates a normal access state.

	206	The access succeeds.	
3XX	301	The accessed content has been permanently migrated.	A 3XX status code generally indicates a normal access state.
	302	The access is redirected.	
	304	The content to be accessed has not changed.	
4XX	400	A request parameter is incorrect.	A 4XX status code generally indicates that the client request is incorrect or the acceleration service of the domain name has been disabled.
	401	The access request verification fails.	
	403	Access to the content is denied.	
	404	The requested content cannot be found.	
	405	The request method is not supported.	
	416	The range is invalid.	
5XX	500	An internal server error occurs.	Please check whether the origin server service is exceptional; and if not, please submit a ticket for assistance.
	502	The server cannot provide service currently.	
	501	The request method is not supported by the server and cannot be processed.	Please check the request method.
	513	The ECDN edge server is overloaded, which is generally caused by user request surge or CC attacks.	Please check whether the business request surge of the domain name is normal.
	522	Internal HTTP ECDN connection establishment fails, or HTTP ECDN origin-	Please check whether the origin server port 80 has been opened.

		pull connection establishment fails.	
	529	The domain name is newly added, and the route configuration has not taken effect.	It takes 5–10 minutes for the platform to deploy the configuration. Please confirm that the configuration has taken effect before switching the CNAME resolution.
		The ping command is blocked by the origin server, and the origin-pull route information cannot be obtained.	You need to grant the ping permission on your ECDN intermediate nodes. You can submit a ticket to get the list of IPs of ECDN intermediate nodes.
	533	ECDN edge or relay transfer fails, read times out, or connection establishment fails.	Please submit a ticket for assistance.
	538	HTTPS SSL handshake fails, internal ECDN transfer fails, or ECDN origin-pull SSL handshake fails.	Please check whether the origin server port 443 has been opened and SSL handshake is normal.
	564	ECDN origin-pull times out.	Please check whether there are jitters on the origin server egress network.
Other	0	The client actively closes the connection during response.	Generally, it is caused by a client network problem or active stop of access by the user.