1.4.12.1 Query Current and Historical Alarms

Typical Scenarios

The OSS needs to query active or historical alarms.

Functions

Query active or historical alarms.

Constraints

1.Maximum concurrency of the API: 2

2.In pagination mode, the filter criteria (is-cleared, alarm-type-qualifier, perceived-severity, resource, and alarm-serial-number) for each query must be the same as those for the first query.

3.If the start time and end time are not specified, the system queries the historical alarms within the past three days by default. To obtain other alarms, you need to specify the start time and end time.

4.The number of delivered query parameters is limited by the URL length, which is described in "URL".

HTTP Method

GET

URI

/restconf/v1/data/ietf-alarms:alarms/alarm-list

Table 1-4958 query parameters

Parameter	Mandatory	Type	Value Range	Default Value	Description	Example
is-cleared	No	boolean	• true • false	-	Whether to query cleared alarms. If this parameter is not set, all alarms on NCE will be returned.	-

Param eter	Mand atory	Type	Value Range	Defaul t Value	Description	Example
limit	No	int32	[1-500 0]	1000	Number of records on each page. The value ranges from 1 to 5000. If this parameter is not set, the first 1000 alarms will be returned by default.	-
marker	No	string	36 charac ters. The value must meet the followi ng regular expres sion: [0-9a-fA-F] {8}-[0-9a-fA-F] {4}-[0-9a-fA-F] {4}-[0-9a-fA-F] {4}-[0-9a-fA-F]{12}.	-	Iteration sub-index.	-
alarm-type-qualifi er	No	array< string>	-	-	Alarm ID.	-

Param eter	Mand atory	Type	Value Range	Defaul t Value	Description	Example
perceiv ed-severit y	No	array< string>	Each item has ● criti cal ● maj or ● min or ● war nin g ● inde ter min ate	-	Alarm severity. The indeterminate severity is not supported.	-
resourc e	No	array< string>	-	-	Alarm source, that is, resource UUID. If an NE UUID is delivered, alarms on the NE and all sub-objects of the NE will be returned.	-
start-time	No	string	-	-	Start time. It works in conjunction with end-time. The format is 2021-09-10T00 :00:00Z.	-
end-time	No	string	-	-	End time. It works in conjunction with start-time. The format is 2019-07-13T00 :00:00Z.	-
alarm-serial-numbe r	No	array< string>	-	-	Alarm SN.	-

Param eter	Mand atory	Type	Value Range	Defaul t Value	Description	Example
impact ed- resourc e	No	array< string>	-	-	List of resources (that is, service names) affected by alarms.	"affectedServic e=PW_OX6301 P1-1.5_3G_O& M_VLAN-93"

Request Parameters

Table 1-4959 header parameters

Param eter	Mand atory	Type	Value Range	Defaul t Value	Description	Example
fileLoc ationU RI	No	string	1 to 255 charac ters.	-	SFTP path to which alarm files are exported. Specify a real path, for example, sftp:// root:root@10.2 2.44.148:22/ home/ftproot/ alarm.json.	"sftp:// root:root@10.2 2.44.148:22/ home/ftproot/ alarm.json"

N/A

Sample Request

HTTP
GET /restconf/v1/data/ietf-alarms:alarms/alarm-list?limit=2000&is-cleared=false&start-time=2019-05-30T06:35:38Z&end-time=2019-05-30T14:35:38Z
Content-Type: application/json
Accept: application/json
Accept-Language: en-US
X-Auth-Token: x-yyy

Response Parameters

Response status code 200: Successful operation

Table 1-4960 alarm-list parameters

Param eter	Type	Value Range	Defaul t Value	Description	Example
alarm	ARRAY _REFER ENCE	For details, see **Table 1-4961**.		List of alarms.	-
last-change d	string	The value must meet the following regular expression: \ \d{4}-\\d{2}-\ \d{2}T\\d{2}:\ \d{2}:\\d{2}(\\.\ \d+)?(Z|[\\+\\-] \\d{2}:\\d{2}).	-	Last modification time of the alarm list, in format of 2019-03-30T08 :21:46.000Z. This parameter is reserved.	-
numbe r-of-alarms	string	-	-	Number of alarms. This parameter is reserved.	-