statistics catalog commands

ONTAP 9.14.1 commands

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statistics catalog commands

statistics catalog counter show

Display the list of counters in an object

Availability: This command is available to *cluster* and *Vserver* administrators at the *advanced* privilege level.

Description

This command displays the names and descriptions of counters. The displayed data is either node-specific or cluster-wide, depending on the objects specified.

Parameters

`[-fields <fieldname>,…]`

If you specify the `-fields <fieldname>, …` parameter, the command output also includes the specified field or fields. You can use '-fields ?' to display the fields to specify.

| `[-describe ]` (privilege: advanced) }

Displays detailed information about each counter, including privilege level, label, and whether the counter is a key counter.

`-object <text>` - Object (privilege: advanced)

Selects the object for which you want to display the list of counters. This parameter is required. To view a list of valid object names, type `statistics catalog counter show-object`?` or statistics catalog object show .

`[-counter <text>]` - Counter (privilege: advanced)

Selects the counters that match this parameter value. If you do not specify this parameter, the command displays details for all counters.

`[-filter <text>]` - Filter Data (privilege: advanced)

Selects the counters that match this parameter value. For example, to display counters from node1, specify `-filter "node_name=node1"` .

`[-label <text>,…]` - Labels for Array Counters (privilege: advanced)

Selects the counters that match this parameter value. A label is the name of the bucket to which an array counter belongs.

`[-description <text>]` - Description (privilege: advanced)

Selects the counters that match this parameter value.

`[-privilege <text>]` - Privilegel Level (privilege: advanced)

Selects the counters that match this parameter value.

`[-is-key-counter {true|false}]` - Is Key Counter (privilege: advanced)

Selects the counters that are key counters (true) or are not key counters (false). A key counter is a counter that uniquely identifies an instance across the cluster. The default setting is false. For example,

"vserver_name" and "node_name" are key counters because they identify the specific Vserver or node to which the instance belongs.

[-is-deprecated {true|false}] - Is Counter Deprecated (privilege: advanced)

Selects the counters that are deprecated (true) or are not deprecated (false).

[-replaced-by <text>] - Replaced By Counter If Deprecated (privilege: advanced)

Selects all deprecated counters that are replaced by the counter provided to this parameter.

Examples

The following example displays the list of counters in the processor object.

```
cluster1::> statistics catalog counter show -object processor
Object: processor
    Counter                     Description
    --------------------------
-------------------------------------------
    instance_name               Instance Name
    instance_uuid               Instance UUID
    node_name                   System node name
    node_uuid                   System node id
    process_name                Ontap process that provided this instance
    processor_busy              Percentage of elapsed time that the
processor
                                is executing non-idle processes
    processor_elapsed_time      Wall-clock time since boot used for
                                calculating processor utilization
    sk_switches                 Number of sk switches per second
8 entries were displayed.
```

Related Links

- statistics catalog object show

statistics catalog instance show

Display the list of instances associated with an object

Availability: This command is available to *cluster* and *Vserver* administrators at the *advanced* privilege level.

Description

This command displays the names of instances associated with the specified object. The displayed data is either node-specific or cluster-wide, depending on the objects specified.

Parameters

[-fields <fieldname>,…]

If you specify the `-fields <fieldname>, …` parameter, the command output also includes the specified field or fields. You can use '-fields ?' to display the fields to specify.

-object <text> - Object (privilege: advanced)

Selects the object for which you want to display the list of instances. This parameter is required. To view a list of valid object names, type `statistics catalog instance show-object`?` or statistics catalog object show .

[-instance <text>] - Instance Name (privilege: advanced)

Selects the instances that match this parameter value. If you do not specify this parameter, the command displays all the instances.

[-filter <text>] - Filter Data (privilege: advanced)

Selects the instances that match this parameter value. For example, to display instances from vserver1, specify `-filter "vserver_name=vserver1"` .

[-vserver <vserver name>,…] - Vserver Name (privilege: advanced)

Selects the instances that match this parameter value. If you do not specify this parameter, the command displays instances for all of the Vservers in the cluster.

[-node {<nodename>|local}] - Node Name (privilege: advanced)

Selects the instances that match this parameter value. If you do not specify this parameter, the command displays instances for all of the nodes in the cluster.

Examples

The following example displays the list of instances associated with the processor object.

```
cluster1::> statistics catalog instance show -object processor
Object: processor
  processor0
  processor0
  processor1
  processor1
4 entries were displayed.
```

Related Links

- statistics catalog object show

statistics catalog object show

Display the list of objects

Availability: This command is available to *cluster* and *Vserver* administrators at the *advanced* privilege level.

Description

This command displays the names and descriptions of objects from which you can obtain performance data. The displayed data is either node-specific or cluster-wide, depending on the objects specified.

Parameters

[-fields <fieldname>,…]

If you specify the `-fields <fieldname>, …` parameter, the command output also includes the specified field or fields. You can use '-fields ?' to display the fields to specify.

| [-describe] (privilege: advanced) }

Displays detailed information about each object, including privilege level.

[-object <text>] - Object (privilege: advanced)

Selects the objects for which you want to display information. If you do not specify this parameter, the command displays details for all of the objects.

[-privilege <text>] - Privilege Level (privilege: advanced)

Selects the objects that match this parameter value.

[-is-deprecated {true|false}] - Is Object Deprecated (privilege: advanced)

Selects the objects that are deprecated (true) or are not deprecated (false).

[-replaced-by <text>] - Replaced By Object If Deprecated (privilege: advanced)

Selects all deprecated objects that are replaced by the object provided to this parameter.

[-is-statistically-tracked {true|false}] - Is Object Statistically Tracked (privilege: advanced)

Specifies if the object is statistically tracked

[-description <text>] - Description (privilege: advanced)

Selects the objects that match this parameter value.

Examples

The following example displays descriptions of all objects in the cluster:

```
cluster1::> statistics catalog object show
    aggregate                   CM object for exporting aggregate
performance
                                counters
    audit_ng                    CM object for exporting audit_ng
performance
                                counters
    cifs                        These counters report activity from both
SMB
                                and SMB2 revisions of the CIFS protocol.
For
                                information isolated to SMB, see the
'smb1'
                                object. For SMB2, see the 'smb2' object.
    cifs:node                   These counters report activity from both
SMB
                                and SMB2 revisions of the CIFS protocol.
For
                                information isolated to SMB, see the
'smb1'
                                object. For SMB2, see the 'smb2' object.
    cifs:vserver                These counters report activity from both
SMB
                                and SMB2 revisions of the CIFS protocol.
For
                                information isolated to SMB, see the
'smb1'
                                object. For SMB2, see the 'smb2' object.
    cluster_peer                The cluster peer object contains peer
                                counters.
[...]
```

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