



statistics catalog commands

ONTAP 9.7 commands

NetApp

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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] }

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

-object <text> - Object

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

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

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

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

Selects the counters that match this parameter value.

[-privilege <text>] - Privileged Level

Selects the counters that match this parameter value.

[-is-key-counter {true|false}] - Is Key Counter

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

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

[`-replaced-by <text>`] - Replaced By Counter If Deprecated

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

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

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

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

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

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]]

Displays detailed information about each object, including privilege level.

[-object <text>] - Object

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

Selects the objects that match this parameter value.

[-is-deprecated {true|false}] - Is Object Deprecated

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

[-replaced-by <text>] - Replaced By Object If Deprecated

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

[-is-statistically-tracked {true|false}] - Is Object Statistically Tracked

Specifies if the object is statistically tracked

[-description <text>] - Description

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
'smb1'            information isolated to SMB, see the
                    object. For SMB2, see the 'smb2' object.
  cifs:node        These counters report activity from both
SMB                and SMB2 revisions of the CIFS protocol.
For
'smb1'            information isolated to SMB, see the
                    object. For SMB2, see the 'smb2' object.
  cifs:vserver     These counters report activity from both
SMB                and SMB2 revisions of the CIFS protocol.
For
'smb1'            information isolated to SMB, see the
                    object. For SMB2, see the 'smb2' object.
  cluster_peer     The cluster peer object contains peer
                    counters.
[...]
```

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