



statistics catalog commands

ONTAP 9.8 commands

NetApp
February 11, 2024

Table of Contents

- statistics catalog commands 1
 - statistics catalog counter show 1
 - statistics catalog instance show 2
 - statistics catalog object show 3

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>] - Privileged 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
'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.
[...]
```

Copyright information

Copyright © 2024 NetApp, Inc. All Rights Reserved. Printed in the U.S. No part of this document covered by copyright may be reproduced in any form or by any means—graphic, electronic, or mechanical, including photocopying, recording, taping, or storage in an electronic retrieval system—without prior written permission of the copyright owner.

Software derived from copyrighted NetApp material is subject to the following license and disclaimer:

THIS SOFTWARE IS PROVIDED BY NETAPP “AS IS” AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL NETAPP BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

NetApp reserves the right to change any products described herein at any time, and without notice. NetApp assumes no responsibility or liability arising from the use of products described herein, except as expressly agreed to in writing by NetApp. The use or purchase of this product does not convey a license under any patent rights, trademark rights, or any other intellectual property rights of NetApp.

The product described in this manual may be protected by one or more U.S. patents, foreign patents, or pending applications.

LIMITED RIGHTS LEGEND: Use, duplication, or disclosure by the government is subject to restrictions as set forth in subparagraph (b)(3) of the Rights in Technical Data -Noncommercial Items at DFARS 252.227-7013 (FEB 2014) and FAR 52.227-19 (DEC 2007).

Data contained herein pertains to a commercial product and/or commercial service (as defined in FAR 2.101) and is proprietary to NetApp, Inc. All NetApp technical data and computer software provided under this Agreement is commercial in nature and developed solely at private expense. The U.S. Government has a non-exclusive, non-transferrable, nonsublicensable, worldwide, limited irrevocable license to use the Data only in connection with and in support of the U.S. Government contract under which the Data was delivered. Except as provided herein, the Data may not be used, disclosed, reproduced, modified, performed, or displayed without the prior written approval of NetApp, Inc. United States Government license rights for the Department of Defense are limited to those rights identified in DFARS clause 252.227-7015(b) (FEB 2014).

Trademark information

NETAPP, the NETAPP logo, and the marks listed at <http://www.netapp.com/TM> are trademarks of NetApp, Inc. Other company and product names may be trademarks of their respective owners.