storage stackmon commands
ONTAP 9.13.1 commands
NetApp
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storage stackmon commands

storage stackmon modify

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

Description

The storage stackmon modify command modifies stackmon.

Parameters

- `-node {<nodename>|local} - Node (privilege: advanced)`
  This parameter specifies the node on which to modify stackmon.

- `[-paused {true|false}] - Paused (privilege: advanced)`
  This parameter specifies whether stackmon is paused. If set to true, stackmon will not respond to any topology changes.

- `[-reset-timer <true>] - Reset Stackmon Timer (privilege: advanced)`
  This parameter resets stackmon’s timer, which will trigger it to check for and resolve any stack ID conflicts.

Examples

The following example pauses stackmon on all nodes.

```bash
cluster1::> storage stackmon modify -node * -paused true
```

The following example triggers stackmon on all nodes.

```bash
cluster1::> storage stackmon modify -node * -reset-timer true -paused false
```

storage stackmon show

Display stackmon information

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

Description

The storage stackmon show command displays information for stackmon on all nodes. If no parameters are specified, the default command displays the following information:

  - `Node`
• State
• Paused

To display detailed information, use the -node parameter.

Parameters

{[-fields <fieldname>,...]}
Displays output in column style about the specified fields.

[[-instance ]]
Displays expanded information for stackmon on all nodes. If a node is specified, then this parameter displays the same detailed information for the specified port as does the -node parameter.

[-node {<nodename>|local}] - Node (privilege: advanced)
Displays the stackmon information for the specified node.

[-state {init|processing|stable|failed-reconcile}] - State (privilege: advanced)
Displays the stackmon information that matches the specified state.

[-paused {true|false}] - Paused (privilege: advanced)
Displays the stackmon information that matches the specified value.

[-timer-delay <integer>] - Timer Delay (privilege: advanced)
Displays the stackmon information that matches the specified timer-delay value.

Examples

The following example displays stackmon information for all nodes:

```
cluster1::> storage stackmon show

Node           State      Paused
---------------------- -------
nod1           stable     false
node2           stable     false
node3           stable     false
node4           stable     false
4 entries were displayed.
```

storage stackmon repair run

Repair stackmon

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

The `storage stackmon repair run` command diagnoses stackmon reconciliation failures and attempts to repair the stack IDs.

**Parameters**

`[-skip-check-stackmon-state <true>]` - Skip Check for Stackmon State (privilege: advanced)

This parameter allows the command to be executed when stackmon is still running.

**Examples**

The following example diagnoses and repairs the stack IDs following a stackmon reconciliation failure.

```
cluster1::* > storage stackmon repair run
```

### storage stackmon repair show

Display repairs that will be made to stackmon if "storage stackmon repair run" is executed.

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

**Description**

The `storage stackmon repair show` command diagnoses stackmon reconciliation failures and displays the repairs that will be made if `storage stackmon repair run` is executed:

**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.

`[-instance ]`

If you specify the `-instance` parameter, the command displays detailed information about all fields.

`[-shelf-uid <integer>]` - Shelf UID (privilege: advanced)

Displays the stackmon repairs for the specified shelf. Use `storage shelf show -fields shelf-uuid` to find the shelf-uid.

`[-old-stack-id <integer>]` - Old Stack ID (privilege: advanced)

Displays the stackmon repairs with the specified current stack-id.

`[-new-stack-id <integer>]` - New Stack ID (privilege: advanced)

Displays the stackmon repairs with the specified new stack-id.
[-skip-check-stackmon-state <true>] - Skip Check for Stackmon State (privilege: advanced)

This parameter allows the command to be executed when stackmon is still running.

Examples

The following example displays the stackmon repairs:

```
cluster 1::*> storage stackmon repair show

<table>
<thead>
<tr>
<th>Shelf</th>
<th>Old Stack</th>
<th>New Stack</th>
</tr>
</thead>
<tbody>
<tr>
<td>123370712932616784</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>292812051842665040</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>4342319975102154064</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>4558492757215937872</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>5350844816656434512</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>9274403680772754000</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>9346461274810681936</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>10786768730639108688</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>
8 entries were displayed.
```

Related Links

- `storage stackmon repair run`
- `storage shelf show`

**storage stackmon topology show**

Display stackmon topology

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

**Description**

The `storage stackmon topology show` command displays the shelf topology reported by stackmon, SES, and the disk driver on all nodes. Note: all node/shelf pairs are shown, even if the node is not connected to the shelf. The chain-handle, ses-channels, and disk-channels fields will be empty ("-"), when the node is not connected to the shelf.

**Parameters**

```
[-fields <fieldname>,...]
  Displays output in column style about the specified fields.

[-instance ]
  Displays expanded information for stackmon topology on all nodes. If a node and shelf-uid are specified, then this parameter displays the same detailed information for the specified port as does the -node and
```
-shelf-uid parameters.

[-node {<nodename>|local}] - Node (privilege: advanced)
  Displays the topology information for the specified node.

[-shelf-uid <integer>] - Shelf UID (privilege: advanced)
  Displays the topology information for the specified shelf. Use storage shelf show-fields `shelf-uuid` to find the shelf-uid.

[-stack-id <integer>] - Stack ID (privilege: advanced)
  Displays the topology information for shelves with the specified stack-id.

[-chain-handle <integer>] - Stackmon Chain Handle (privilege: advanced)
  Displays the topology information for shelves with the specified chain-handle.

[-reconcile-state {processing|succeeded|failed}] - Reconcile State (privilege: advanced)
  Displays the topology information for shelves with the specified reconcile-state.

[-ses-channels <text>,...] - SES Channels (privilege: advanced)
  Displays the topology information for shelves with the specified SES channels.

[-disk-channels <text>,...] - Disk Channels (privilege: advanced)
  Displays the topology information for shelves with the specified disk channels.

[-ses-disk-match {true|false}] - SES Matches Disk Topology (privilege: advanced)
  Displays the topology information for shelves that are seen on the same channels by SES and the disk driver.

Examples

The following example displays topology information for all shelves:
cluster1::*> storage stackmon topology show
Failed

<table>
<thead>
<tr>
<th>Node</th>
<th>Shelf</th>
<th>Chain Handle</th>
<th>Stack</th>
<th>Reconcile</th>
</tr>
</thead>
<tbody>
<tr>
<td>node1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>123370712932616784</td>
<td>1152922178327261751</td>
<td>1</td>
<td>false</td>
</tr>
<tr>
<td></td>
<td>292812051842665040</td>
<td>1152922178327261751</td>
<td>1</td>
<td>false</td>
</tr>
<tr>
<td></td>
<td>4342319975102154064</td>
<td>1152922178327258740</td>
<td>2</td>
<td>false</td>
</tr>
<tr>
<td></td>
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<td>1152922178327258740</td>
<td>2</td>
<td>false</td>
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<tr>
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<td>1152922178327261751</td>
<td>1</td>
<td>false</td>
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<td>1152922178327261751</td>
<td>1</td>
<td>false</td>
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<td>1152922178327258740</td>
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<tr>
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<td>1152922178327258740</td>
<td>2</td>
<td>false</td>
</tr>
<tr>
<td>node2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>123370712932616784</td>
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</tr>
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<td>1152922178315916511</td>
<td>1</td>
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<td>false</td>
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<td>2</td>
<td>false</td>
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<tr>
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<td>1152922178315916511</td>
<td>1</td>
<td>false</td>
</tr>
<tr>
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<td>9274403680772754000</td>
<td>1152922178315916511</td>
<td>1</td>
<td>false</td>
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<td>1152922178315913225</td>
<td>2</td>
<td>false</td>
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<tr>
<td>node3</td>
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</tr>
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<td>2</td>
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<td>2</td>
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</tr>
<tr>
<td>node4</td>
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</tr>
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<td>2</td>
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</tr>
</tbody>
</table>

32 entries were displayed.

Related Links

- storage shelf show
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