



storage stackmon commands

Command reference

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storage stackmon commands

storage stackmon modify

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.

[-refresh-shelf-table <true>] - Refresh Shelf Table (privilege: advanced)

This parameter refreshes the table used by `storage shelf` commands.

Examples

The following example pauses stackmon on all nodes.

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

The following example triggers stackmon on all nodes.

```
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 ] (privilege: advanced) }`

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 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
-----	-----	-----
node1	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 ] (privilege: advanced) }`

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-uid](#) 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
```

Shelf	Old Stack	New Stack
123370712932616784	1	1
292812051842665040	3	1
4342319975102154064	2	2
4558492757215937872	2	2
5350844816656434512	1	1
9274403680772754000	1	1
9346461274810681936	2	2
10786768730639108688	2	2

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 ] (privilege: advanced) }`

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-uid* 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

Node Shelf	Chain Handle	Stack	Reconcile
----	-----	-----	-----
node1			
123370712932616784	1152922178327261751	1	false
292812051842665040	1152922178327261751	1	false
4342319975102154064	1152922178327258740	2	false
4558492757215937872	1152922178327258740	2	false
5350844816656434512	1152922178327261751	1	false
9274403680772754000	1152922178327261751	1	false
9346461274810681936	1152922178327258740	2	false
10786768730639108688	1152922178327258740	2	false
node2			
123370712932616784	1152922178315916511	1	false
292812051842665040	1152922178315916511	1	false
4342319975102154064	1152922178315913225	2	false
4558492757215937872	1152922178315913225	2	false
5350844816656434512	1152922178315916511	1	false
9274403680772754000	1152922178315916511	1	false
9346461274810681936	1152922178315913225	2	false
10786768730639108688	1152922178315913225	2	false
node3			
123370712932616784	1152922178329970138	1	false
292812051842665040	1152922178329970138	1	false
4342319975102154064	1152922178329977389	2	false
4558492757215937872	1152922178329977389	2	false
5350844816656434512	1152922178329970138	1	false
9274403680772754000	1152922178329970138	1	false
9346461274810681936	1152922178329977389	2	false
10786768730639108688	1152922178329977389	2	false
node4			
123370712932616784	1152922178327647260	1	false
292812051842665040	1152922178327647260	1	false
4342319975102154064	1152922178327645097	2	false
4558492757215937872	1152922178327645097	2	false
5350844816656434512	1152922178327647260	1	false
9274403680772754000	1152922178327647260	1	false
9346461274810681936	1152922178327645097	2	false
10786768730639108688	1152922178327645097	2	false

32 entries were displayed.

Related Links

- [storage shelf show](#)

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