# storage stackmon commands

## ONTAP 9.14.1 commands

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# Table of Contents

storage stackmon commands . . . 1
storage stackmon modify . . . 1
storage stackmon show . . . 1
storage stackmon repair run . . . 3
storage stackmon repair show . . . 3
storage stackmon topology show . . . 4

# 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.

**`[-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 ] }**

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 ] }`**

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

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 ] }**

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
Node Shelf                 Chain Handle         Stack Reconcile
---- -------------------- -------------------- ----- ---------
node1
       123370712932616784  1152922178327261751     1 false
        29281205184266504  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
        29281205184266504  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
        29281205184266504  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
        29281205184266504  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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