



## **security audit commands**

### ONTAP commands

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# security audit commands

## security audit modify

Set administrative audit logging settings

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

### Description

The `security audit modify` command modifies the following audit-logging settings for the management interface:

- Whether get requests for the CLI are audited
- Whether get requests for the Data ONTAP API (ONTAPI) are audited

### Parameters

#### **`[-cliget {on|off}]` - Enable Auditing of CLI Get Operations**

This specifies whether get requests for the CLI are audited. The default setting is *off*.

#### **`[-httpget {on|off}]` - Enable Auditing of HTTP Get Operations**

This specifies whether get requests for the web (HTTP) interface are audited. The default setting is *off*.

#### **`[-ontapiget {on|off}]` - Enable Auditing of Data ONTAP API Get Operations**

This specifies whether get requests for the Data ONTAP API (ONTAPI) interface are audited. The default setting is *off*.

### Examples

The following example turns off auditing of get requests for the CLI interface:

```
cluster1::> security audit modify -cliget off
```

## security audit show

Show administrative audit logging settings

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

### Description

The `security audit show` command displays the following audit-logging settings for the management interface:

- Whether get requests for the CLI are audited
- Whether get requests for the web (HTTP) interface are audited

- Whether get requests for the Data ONTAP API (ONTAPI) are audited

Audit log entries are written to the 'audit' log, viewable via the 'security audit log show' command.

## Examples

The following example displays the audit-logging settings for the management interface:

```
cluster1::> security audit show
          Auditing State for
          Operation Get Requests
  -----
          CLI off
          HTTP off
          ONTAPI off
```

## security audit log show

Display audit entries merged from multiple nodes in the cluster

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

### Description

The `security audit log show` command displays cluster-wide audit log messages. Messages from each node are interleaved in chronological order.

### 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.

**| [-detail ]**

This display option shows the individual fields of the audit record.

**| [-instance ] }**

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

**[-timestamp <Date>] - Log Entry Timestamp**

Selects the entries that match the specified input for timestamp. This will be in a human-readable format `<day> <month> <day of month> <hour>:<min>:<sec> <year>` in the local timezone.

**[-node {<nodename>|local}] - Node**

Selects the entries that match the specified input for node.

**[-entry <text>] - Log Message Entry**

Selects the entries that match the specified input for entry.

**[-session-id <text>] - Session ID**

This is the "session id" for this audit record. Each ssh/console session is assigned a unique session ID. Each ZAPI/HTTP/SNMP request is assigned a unique session ID

**[-command-id <text>] - Command ID**

This is useful with ssh/console sessions. Each command in a session is assigned a unique command ID. Each ZAPI/HTTP/SNMP request does not have a command ID.

**[-application <text>] - Protocol**

This is the application used to connect to the cluster. Possible values include the following: internal, console, ssh, http, ontapi, snmp, rsh, telnet, service-processor

**[-location <text>] - Remote user location**

The remote IP address or remote access point.

**[-vserver <text>] - Vserver name**

Storage Virtual Machine name

**[-username <text>] - Username**

Username

**[-input <text>] - Command being executed**

The operation being attempted

**[-state {Pending|Success|Error}] - State of this audit request**

State of this request

**[-message <text>] - Additional information and/or error message**

Additional information which may be error or informative message.

## Examples

The following example displays specific fields based on a custom query:

```
cluster1::> security audit log show -fields application, location, state, input, message -location 10.60.* -state Error|Success -input v*|st* -timestamp >"Jul 10 12:00:00 2020"
timestamp          node  application location      input
state   message
-----
-----
"Fri Jul 17 11:32:44 2020" node1 ssh          10.60.250.79 storage
aggregate create test -diskcount 5 Success -
"Fri Jul 17 11:36:47 2020" node1 ssh          10.60.250.79 vserver create
vsl                  Success -
```

```

"Fri Jul 17 11:37:33 2020" node1 ssh          10.60.250.79 volume create
vol1                         Error   One of the following parameters is
required: -aggregate, -aggr-list, -auto-provision-as
"Fri Jul 17 11:38:08 2020" node1 ssh          10.60.250.79 volume create
vol1 -aggregate test          Success -
Some more examples for -timestamp usage:
cluster1::> security audit log show -timestamp "Mon Jan 03 18:37:05 2022"
Time           Node           Audit Message
-----
Mon Jan 03 18:37:05 2022  node1
                           [kern_audit:info:988] mlogd:
started

cluster1::> security audit log show -timestamp Mon Jan 03 *
Time           Node           Audit Message
-----
Mon Jan 03 18:37:05 2022  node1
                           [kern_audit:info:988] mlogd:
started
Mon Jan 03 18:37:06 2022  node2
                           [kern_audit:info:988] mlogd:
started
Mon Jan 03 18:41:25 2022  node1
                           [kern_audit:info:977] mlogd:
started
Mon Jan 03 18:41:25 2022  node2
                           [kern_audit:info:977] mlogd:
started

cluster1::> security audit log show -timestamp Mon Jan 03 18:37*
Time           Node           Audit Message
-----
Mon Jan 03 18:37:05 2022  node1
                           [kern_audit:info:988] mlogd:
started
Mon Jan 03 18:37:06 2022  node2
                           [kern_audit:info:988] mlogd:
started
2 entries were displayed.

```

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