



# **cluster log-forwarding commands**

ONTAP 9.13.1 commands

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# cluster log-forwarding commands

## cluster log-forwarding create

Create a log forwarding destination

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

### Description

The `cluster log-forwarding create` command creates log forwarding destinations for remote logging.

### Parameters

**-destination <Remote InetAddress> - Destination Host**

Host name or IPv4 or IPv6 address of the server to forward the logs to.

**[-port <integer>] - Destination Port**

The port that the destination server listen on.

**[-protocol {udp-unencrypted|tcp-unencrypted|tcp-encrypted}] - Log Forwarding Protocol**

The protocols are used for sending messages to the destination. The protocols can be one of the following values:

- `_ udp-unencrypted _` - User Datagram Protocol with no security
- `_ tcp-unencrypted _` - Transmission Control Protocol with no security
- `_ tcp-encrypted _` - Transmission Control Protocol with Transport Layer Security (TLS)

**[-ipspace <IPspace>] - IPspace of Destination**

The IPspace of the destination server.

**[-verify-server {true|false}] - Verify Destination Server Identity**

When this parameter is set to `true`, the identity of the log forwarding destination is verified by validating its certificate. The value can be set to `true` only when the `tcp-encrypted` value is selected in the protocol field. When this value is `true` the remote server might be validated by OCSP. The OCSP validation for cluster logs is controlled with the [security config ocsf enable -app audit\\_log](#) and [security config ocsf disable -app audit\\_log](#).

**[-facility <Syslog Facility>] - Syslog Facility**

The Syslog facility to use for the forwarded logs.

**[-force <true>] - Skip the Connectivity Test**

Normally, the `cluster log-forwarding create` command checks that the destination is reachable via an ICMP ping, and fails if it is not reachable. Setting this value to `true` bypasses the ping check so that the destination can be configured when it is unreachable.

### **[`-message-format {legacy-netapp|rfc-5424}`] - Syslog Message Format**

Use this parameter to specify the message format to be used for Syslog messages.

The `message-format` can be one of the following values:

- *legacy-netapp* - A variation of the RFC-3164 Syslog format (format: <PRIVAL>TIMESTAMP HOSTNAME: MSG)
- *rfc-5424* - Syslog format as per RFC-5424 (format: <PRIVAL>VERSION TIMESTAMP HOSTNAME: MSG)

Refer to the respective RFCs for detailed information regarding the Syslog message formats. + The default message format is *legacy-netapp*.

### **[`-timestamp-format-override {no-override|rfc-3164|iso-8601-utc|iso-8601-local-time}`] - Syslog Timestamp Format Override**

Use this parameter to override the default timestamp format (based on the `message-format` parameter) used for Syslog messages.

The `timestamp-format-override` can be one of the following values:

- *no-override* - Timestamp format based on the `message-format` parameter (*rfc-3164* if the message format is *legacy-netapp*, *iso-8601-local-time* if message format is *rfc-5424*)
- *rfc-3164* - Timestamp format as per RFC-3164 (format: Mmm dd hh:mm:ss)
- *iso-8601-utc* - Timestamp format as per ISO-8601 in UTC (format: YYYY-MM-DDThh:mm:ssZ)
- *iso-8601-local-time* - Timestamp format as per ISO-8601 in local time (format: YYYY-MM-DDThh:mm:ss+/-hh:mm)

The default value is *no-override*. When this parameter is modified, its value persists even when `message-format` is updated. +

### **[`-hostname-format-override {no-override|fqdn|hostname-only}`] - Syslog Hostname Format Override**

Use this parameter to override the default hostname format (based on the `message-format` parameter) used for Syslog messages.

The `hostname-format-override` can be one of the following values:

- *no-override* - Hostname format based on the `message-format` parameter (*fqdn* if the message format is *rfc-5424*, *hostname-only* if message format is *legacy-netapp*)
- *fqdn* - Fully Qualified Domain Name (e.g., myhost.example.com)
- *hostname-only* - Hostname only, without the domain name (e.g., myhost)

The default value is *no-override*. When this parameter is modified, its value persists even when `message-format` is updated. +

## **Examples**

This example causes audit logs to be forwarded to a server at address 192.168.0.1, port 514 with USER facility.

```
cluster1::> cluster log-forwarding create -destination 192.168.0.1 -port 514 -facility user
```

## Related Links

- [security config ocsp enable](#)
- [security config ocsp disable](#)

## cluster log-forwarding delete

Delete a log forwarding destination

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

### Description

The `cluster log-forwarding delete` command deletes log forwarding destinations for remote logging.

### Parameters

**-destination <Remote InetAddress> - Destination Host**

Host name or IPv4 or IPv6 address of the server to delete the forwarding entry for.

**-port <integer> - Destination Port**

The port that the destination server listen on.

### Examples

This example deletes the forwarding of all logs to the server at address 1.1.1.1, port 514.

```
cluster1::> cluster log-forwarding delete -destination 1.1.1.1 -port 514
```

## cluster log-forwarding modify

Modify log forwarding destination settings

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

### Description

The `cluster log-forwarding modify` command modifies log forwarding destinations for remote logging.

### Parameters

**-destination <Remote InetAddress> - Destination Host**

The host name or IPv4 or IPv6 address of the server to be modified.

**-port <integer> - Destination Port**

The port that the destinations servers listen on.

**[-ipspace <IPspace>] - IPspace of Destination**

The IPspace of the destination server.

**[-verify-server {true|false}] - Verify Destination Server Identity**

When this parameter is set to `true` , the identity of the log forwarding destination is verified by validating its certificate. The value can be set to `true` only when the `tcp-encrypted` value is selected in the protocol field. When this value is `true` the remote server might be validated by OCSP. The OCSP validation for cluster logs is controlled with the [security config ocsf enable -app audit\\_log](#) and [security config ocsf disable -app audit\\_log](#) .

**[-facility <Syslog Facility>] - Syslog Facility**

The Syslog facility to use for the forwarded logs.

**[-message-format {legacy-netapp|rfc-5424}] - Syslog Message Format**

Use this parameter to specify a new Syslog message format to replace the current message format.

**[-timestamp-format-override {no-override|rfc-3164|iso-8601-utc|iso-8601-local-time}] - Syslog Timestamp Format Override**

Use this parameter to override the default Syslog timestamp format (based on the `message-format` parameter).

**[-hostname-format-override {no-override|fqdn|hostname-only}] - Syslog Hostname Format Override**

Use this parameter to override the default Syslog hostname format (based on the `message-format` parameter).

## Examples

This example modifies the facility of audit logs that are forwarded to the destination server at address 192.168.0.1, port 514.

```
cluster1::> cluster log-forwarding modify -destination 192.168.0.1 -port 514 -facility local1
```

## Related Links

- [security config ocsf enable](#)
- [security config ocsf disable](#)

# cluster log-forwarding show

Display log forwarding destinations

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

## Description

The `cluster log-forwarding show` command displays log forwarding information:

- Destination (IPv4/IPv6/hostname)
- Port number
- List of log classes
- Facility

## 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.

**[-destination <Remote InetAddress>] - Destination Host**

If this optional parameter is specified, the command displays information about the forwarding destinations with the specified host name, IPv4 or IPv6 address.

**[-port <integer>] - Destination Port**

If this optional parameter is specified, the command displays information about the forwarding destinations with the specified ports.

**[-protocol {udp-unencrypted|tcp-unencrypted|tcp-encrypted}] - Log Forwarding Protocol**

If this optional parameter is specified, the command displays information about the forwarding destinations with the specified protocols.

**[-ipSpace <IPspace>] - IPspace of Destination**

If this optional parameter is specified, the command displays information about the IPspace to which the forwarding destinations belong.

**[-verify-server {true|false}] - Verify Destination Server Identity**

If this optional parameter is specified, the command displays information about the forwarding destinations with the specified `verify-server` values.

**[-facility <Syslog Facility>] - Syslog Facility**

If this optional parameter is specified, the command displays information about the forwarding destinations with the specified facility.

### **[-message-format {legacy-netapp|rfc-5424}] - Syslog Message Format**

Use this optional parameter to display information about the Syslog destination that has the specified Syslog message format.

### **[-timestamp-format-override {no-override|rfc-3164|iso-8601-utc|iso-8601-local-time}] - Syslog Timestamp Format Override**

Use this optional parameter to display information about the Syslog destination that has the specified Syslog timestamp format override.

### **[-hostname-format-override {no-override|fqdn|hostname-only}] - Syslog Hostname Format Override**

Use this optional parameter to display information about the Syslog destination that has the specified Syslog hostname format override.

## **Examples**

The following example displays information about the log forwarding cluster-1::> cluster log-forwarding show

Verify Syslog

Destination Host	Port	Protocol	Server	Facility
192.168.0.1	514	udp-unencrypted	false	user

cluster-1::> cluster log-forwarding show -instance

Destination Host: 192.168.0.1  
Destination Port: 514  
Log Forwarding Protocol: udp-unencrypted  
IPspace of Destination: Default  
Verify Destination Server Identity: false  
Syslog Facility: user  
Syslog Message Format: legacy-netapp  
Syslog Timestamp Format Override: no-override  
Syslog Hostname Format Override: no-override



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