



cluster log-forwarding commands

Command reference

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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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