



# **Configure EMS event notifications with the CLI**

**ONTAP 9**

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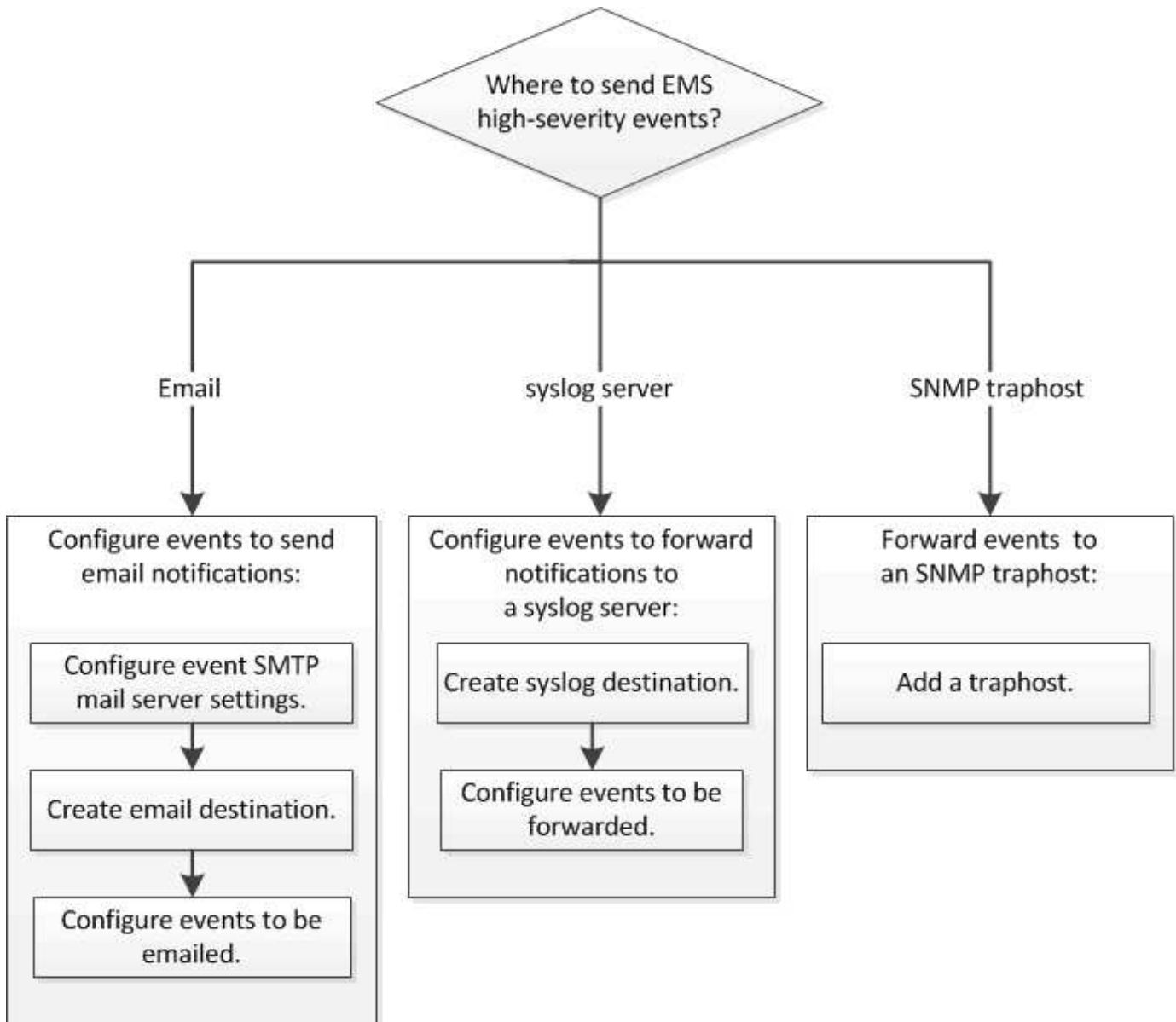
# Table of Contents

- Configure EMS event notifications with the CLI ..... 1
  - EMS configuration workflow ..... 1
  - Decide where to send important event notifications ..... 1
  - Configure important EMS events to send email notifications ..... 2
  - Configuring important EMS events to forward notifications to a syslog server ..... 3
  - Configure SNMP traphosts to receive event notifications ..... 3

# Configure EMS event notifications with the CLI

## EMS configuration workflow

You must configure important EMS event notifications to be sent either as email, forwarded to a syslog server, or forwarded to an SNMP traphost. This helps you to avoid system disruptions by taking corrective actions in a timely manner.



## Decide where to send important event notifications

Before you configure important EMS event notifications, you need to decide whether to send the notifications to an email address, a syslog server, or an SNMP traphost.

### About this task

If your environment already contains a syslog server for aggregating the logged events from other systems,

such as servers and applications, then it is easier to use that syslog server also for important event notifications from storage systems.

If your environment does not already contain a syslog server, then it is easier to use email for important event notifications.

If you already forward event notifications to an SNMP traphost, then you might want to monitor that traphost for important events.

### Choices

- Set EMS to send event notifications.

If you want...	Refer to this...
The EMS to send important event notifications to an email address	<a href="#">Configuring important EMS events to send email notifications</a>
The EMS to forward important event notifications to a syslog server	<a href="#">Configuring important EMS events to forward notifications to a syslog server</a>
If you want the EMS to forward event notifications to an SNMP traphost	<a href="#">Configuring SNMP traphosts to receive event notifications</a>

## Configure important EMS events to send email notifications

To receive email notifications of the most important events, you must configure the EMS to send email messages for events that signal important activity.

### What you'll need

DNS must be configured on the cluster to resolve the email addresses.

### About this task

You can perform this task any time the cluster is running by entering the commands on the ONTAP command line.

### Steps

1. Configure the event SMTP mail server settings:

```
event config modify -mail-server mailhost.your_domain -mail-from  
cluster_admin@your_domain
```

2. Create an email destination for event notifications:

```
event notification destination create -name storage-admins -email  
your_email@your_domain
```

3. Configure the important events to send email notifications:

```
event notification create -filter-name important-events -destinations storage-  
admins
```

# Configuring important EMS events to forward notifications to a syslog server

To log notifications of the most severe events on a syslog server, you must configure the EMS to forward notifications for events that signal important activity.

## What you'll need

DNS must be configured on the cluster to resolve the syslog server name.

## About this task

If your environment does not already contain a syslog server for event notifications, you must first create one. If your environment already contains a syslog server for logging events from other systems, then you might want to use that one for important event notifications.

You can perform this task any time the cluster is running by entering the commands on the ONTAP command line.

## Steps

1. Create a syslog server destination for important events:

```
event notification destination create -name syslog-ems -syslog syslog-server-address
```

2. Configure the important events to forward notifications to the syslog server:

```
event notification create -filter-name important-events -destinations syslog-ems
```

# Configure SNMP traphosts to receive event notifications

To receive event notifications on an SNMP traphost, you must configure a traphost.

## What you'll need

- SNMP and SNMP traps must be enabled on the cluster.



SNMP and SNMP traps are enabled by default.

- DNS must be configured on the cluster to resolve the traphost names.

## About this task

If you do not already have an SNMP traphost configured to receive event notifications (SNMP traps), you must add one.

You can perform this task any time the cluster is running by entering the commands on the ONTAP command line.

## Step

1. If your environment does not already have an SNMP traphost configured to receive event notifications, add one:

```
system snmp traphost add -peer-address snmp_traphost_name
```

All event notifications that are supported by SNMP by default are forwarded to the SNMP traphost.

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