Decide where to send important event notifications

ONTAP 9

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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.

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.

- Set EMS to send event notifications.

If you want…	Refer to this…
The EMS to send important event notifications to an email address	Configuring important EMS events to send email notifications
The EMS to forward important event notifications to a syslog server	Configuring important EMS events to forward notifications to a syslog server
If you want the EMS to forward event notifications to an SNMP traphost	Configuring SNMP traphosts to receive event notifications

Configure important EMS events to send email notifications

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

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

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

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
   ```

Configure 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.

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

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.

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.

- 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.

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.

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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