



Manage Admin Nodes

StorageGRID software

NetApp

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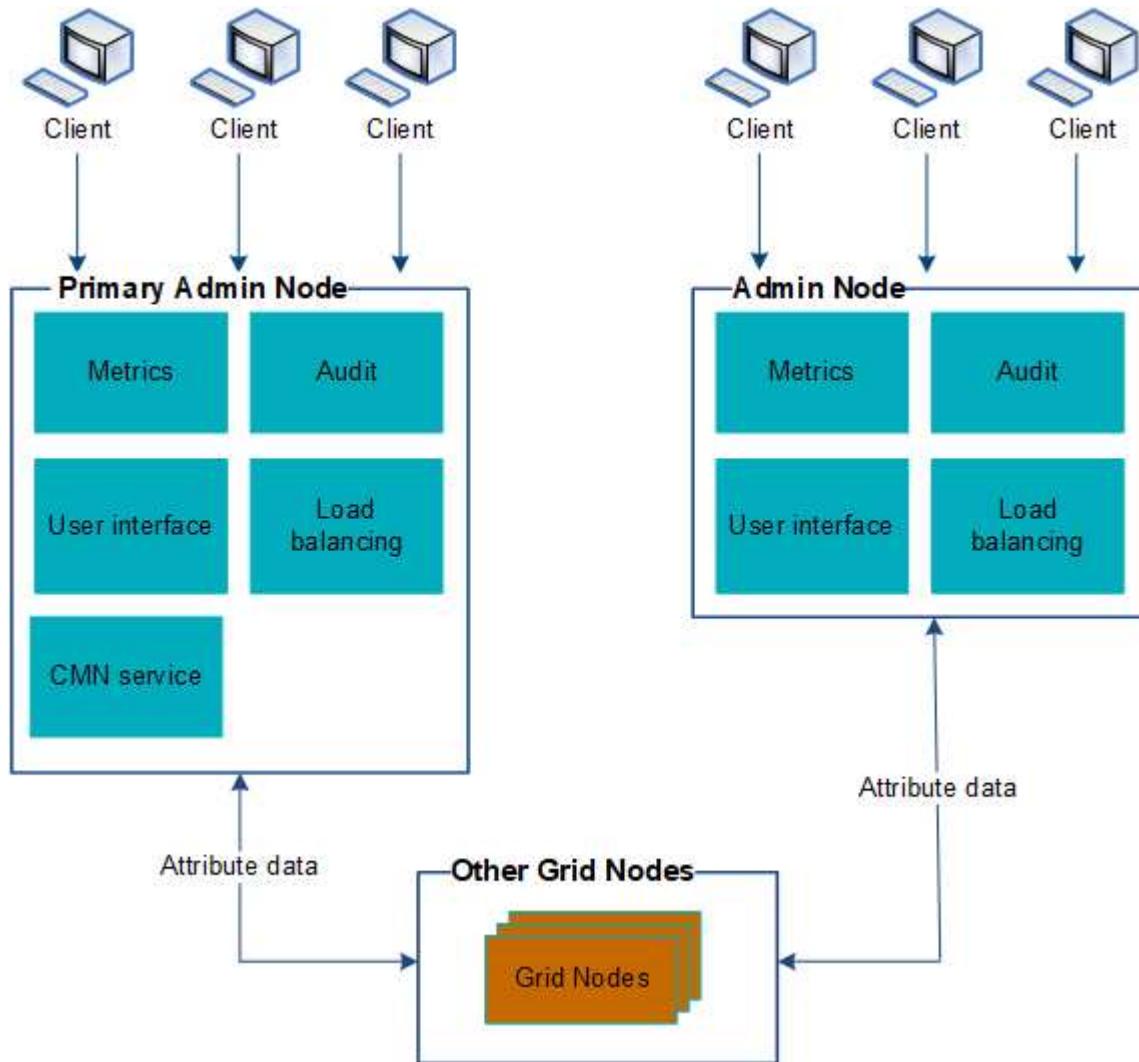
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Manage Admin Nodes

Use multiple Admin Nodes

A StorageGRID system can include multiple Admin Nodes to enable you to continuously monitor and configure your StorageGRID system even if one Admin Node fails.

If an Admin Node becomes unavailable, attribute processing continues, alerts are still triggered, and email notifications and AutoSupport packages are still sent. However, having multiple Admin Nodes does not provide failover protection except for notifications and AutoSupport packages.



There are two options for continuing to view and configure the StorageGRID system if an Admin Node fails:

- Web clients can reconnect to any other available Admin Node.
- If a system administrator has configured a high availability group of Admin Nodes, web clients can continue to access the Grid Manager or the Tenant Manager using the virtual IP address of the HA group. See [Manage high availability groups](#).



When using an HA group, access is interrupted if the active Admin Node fails. Users must sign in again after the virtual IP address of the HA group fails over to another Admin Node in the group.

Some maintenance tasks can only be performed using the primary Admin Node. If the primary Admin Node fails, it must be recovered before the StorageGRID system is fully functional again.

Identify the primary Admin Node

The primary Admin Node provides more functionality than non-primary Admin Nodes. For example, some maintenance procedures must be performed using the primary Admin Node.

For more information about Admin Nodes, see [What is an Admin Node](#).

Before you begin

- You are signed in to the Grid Manager using a [supported web browser](#).
- You have [specific access permissions](#).

Steps

1. Select **NODES**.
2. Enter **primary** in the search box.

In the search results, identify the node with "Primary Admin Node" displayed in the Type column. One primary Admin Node should be listed.

View notification status and queues

The Network Management System (NMS) service on Admin Nodes sends notifications to the mail server. You can view the current status of the NMS service and the size of its notifications queue on the Interface Engine page.

To access the Interface Engine page, select **SUPPORT > Tools > Grid topology**. Then select **site > Admin Node > NMS > Interface Engine**.



Overview: NMS (170-176) - Interface Engine

Updated: 2009-03-09 10:12:17 PDT

NMS Interface Engine Status:
Connected Services

Connected
15



E-mail Notification Events

E-mail Notifications Status:
E-mail Notifications Queued:

No Errors
0



Database Connection Pool

Maximum Supported Capacity:
Remaining Capacity:
Active Connections:

100
95 %
5



Notifications are processed through the email notifications queue and are sent to the mail server one after another in the order they are triggered. If there is a problem (for example, a network connection error) and the mail server is unavailable when the attempt is made to send the notification, a best effort attempt to resend the notification to the mail server continues for a period of 60 seconds. If the notification is not sent to the mail server after 60 seconds, the notification is dropped from the notifications queue and an attempt to send the next notification in the queue is made.

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