



# Verify cluster health

ONTAP 9

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# Table of Contents

Verify cluster health ..... 1

# Verify cluster health

Before you upgrade a cluster, you should verify that the nodes are healthy and eligible to participate in the cluster, and that the cluster is in quorum.

1. Verify that the nodes in the cluster are online and are eligible to participate in the cluster: `cluster show`

```
cluster1::> cluster show
Node                Health  Eligibility
-----
node0               true   true
node1               true   true
```

If any node is unhealthy or ineligible, check EMS logs for errors and take corrective action.

2. If you are operating in a SAN environment, verify that each node is in a SAN quorum: `event log show -messagename scsiblade.*`

The most recent scsiblade event message for each node should indicate that the scsi-blade is in quorum.

```
cluster1::*> event log show -messagename scsiblade.*
Time                Node                Severity      Event
-----
MM/DD/YYYY TIME    node0                INFORMATIONAL scsiblade.in.quorum: The
scsi-blade ...
MM/DD/YYYY TIME    node1                INFORMATIONAL scsiblade.in.quorum: The
scsi-blade ...
```

3. Return to the admin privilege level: `set -privilege admin`

## Related information

[System administration](#)

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