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## What versions of Brocade/Cisco switch firmware can be used in a MetroCluster?

[https://kb-stage.netapp.com/on-prem/ontap/mc/MC-KBs/What\\_versions\\_of\\_Brocade\\_Cisco\\_switch\\_fir...](https://kb-stage.netapp.com/on-prem/ontap/mc/MC-KBs/What_versions_of_Brocade_Cisco_switch_fir...)

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### Applies to

- ONTAP 8.2
- ONTAP 9
- MetroCluster
- Brocade
- Cisco
- Interoperability

## Answer

- NetApp tests firmware releases in MetroCluster to ensure the highest reliability and performance.
- Only Firmware releases that are listed in the Interoperability Matrix Tool (IMT) or Hardware Universe (HWU) have undergone this qualification and are supported.
- For more information on reviewing a list of all the supported firmware versions, see the [IMT](#) and [HWU](#).
- NetApp recommends using the latest qualified Firmware for the Data ONTAP release.

For more information on upgrading your firmware to a supported version, see the following KB articles/documents:

### ONTAP 9:

[Upgrading or downgrading the firmware on a Brocade FC switch](#)

[Upgrading or downgrading the firmware on a Cisco FC switch](#)

[Upgrading firmware on MetroCluster IP switches](#)

### Data ONTAP 8.2 and earlier:

[How to upgrade Brocade switch firmware in a fabric-attached Metrocluster \(7mode\)?](#)

[How to upgrade Cisco switch firmware in a fabric-attached MetroCluster \(7mode\)?](#)

## Additional Information

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