



How to gracefully shutdown a single node ONTAP cluster

https://kb-stage.netapp.com/on-prem/ontap/OHW/OHW-KBs/How_to_gracefully_shutdown_a_single_n...

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Applies to

- FAS systems
- AFF systems
- Single Node cluster

Description

Several events might require a graceful shutdown of ONTAP equipment such as:

- Scheduled site power outage
- Data center wide maintenance
- Physical system move

- Preparation for future re-purposing of equipment

Prerequisites

- This procedure is for **non-MetroCluster** configurations only
- Local admin password for ONTAP 9
- If using NetApp onboard key management (OKM), the cluster-wide passphrase available
- Ensure SP/BMC for [the controller is accessible](#)
- Warn users of disruption
 - Stop all clients/hosts from accessing data on the NetApp system
 - Suspend external backup jobs
- Personnel onsite to perform physical equipment tasks
- General [preparation for onsite maintenance](#)

Prior to shutdown (Best practices)

- Perform additional [system health checks](#)
- Upgrade ONTAP to a [recommended release](#)
- Resolve any [Active IQ Wellness Alerts and Risks](#)
- Run [Active IQ Config Advisor](#)
- Make a note of any faults presently on the system - amber LEDs on controllers, shelves, IOMs, disks, PSUs, etc.

Identifying hardware components

The ONTAP system is comprised of one or more of the following components. Use the following links for helpful details and images to assist onsite personnel with locating and identifying the equipment.

- Controllers:
 - [All Flash FAS \(AFF\)](#)
 - [All SAN Array \(ASA AFF\)](#)
 - [Fabric Attached Storage \(FAS\)](#)
- [Disk Shelves](#)
- [Switches](#):
 - Storage
 - FC

