



Updated for 8.2.1

## Data ONTAP® 8.2

### Documentation Roadmap

For 7-Mode



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## Using the documentation map

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You can use the documentation map to identify documentation and other sources of information that address the major tasks you can perform with a storage system running Data ONTAP software. This document is not an exhaustive list of all available documentation.

Each table in the documentation map lists documentation to help you complete the following major tasks:

- *Planning to set up storage systems* on page 4
- *Installing storage system hardware* on page 6
- *Setting up Data ONTAP on storage systems* on page 7
- *Upgrading Data ONTAP on storage systems* on page 8
- *Managing storage systems* on page 9
- *Diagnosing and troubleshooting issues* on page 11
- *Learning about additional tools and resources* on page 12

This map applies to systems running Data ONTAP 8.2. The tables include information about:

- Product documents, such as software and hardware guides
- Web pages, such as configuration tables, software and firmware download tables, software release matrices, technical reports, frequently asked questions (FAQs), and information about software bugs (Bugs Online)

## Planning to set up storage systems

On the NetApp Support Site, you can find documentation about planning to set up new storage systems, such as information about site preparation, power and connectivity requirements, and physical and logical storage design.

To learn about...	Go to this information source on the NetApp Support Site at <a href="https://support.netapp.com">support.netapp.com</a> ...
<ul style="list-style-type: none"> <li>• Physical site preparation</li> <li>• Connectivity requirements</li> <li>• Power requirements</li> <li>• Platform-specific requirements</li> </ul>	<i>Site Requirements Guide</i>

<b>To learn about...</b>	<b>Go to this information source on the NetApp Support Site at <a href="http://support.netapp.com">support.netapp.com</a>...</b>
<ul style="list-style-type: none"> <li>• System configuration and compatibility requirements</li> </ul>	<ul style="list-style-type: none"> <li>• <i><a href="#">Hardware Universe</a></i> (formerly the <i>System Configuration Guide</i>)</li> <li>• <i><a href="#">Interoperability Matrix</a></i></li> <li>• <i><a href="#">Data ONTAP SAN Configuration Guide for 7-Mode</a></i> (formerly <i>Data ONTAP 7-Mode Fibre Channel and iSCSI Configuration Guide</i>)</li> </ul>
<ul style="list-style-type: none"> <li>• New features and enhancements</li> <li>• Known issues</li> <li>• Cautions</li> </ul>	<i><a href="#">Data ONTAP Release Notes for 7-Mode</a></i>
<ul style="list-style-type: none"> <li>• Requirements for setting up a storage system to use array LUNs</li> </ul>	<i><a href="#">FlexArray Virtualization Installation Requirements and Reference Guide</a></i>
<ul style="list-style-type: none"> <li>• Required storage array parameters for a storage array to work with a Data ONTAP system and configurations supported</li> </ul>	<i><a href="#">FlexArray Virtualization Implementation Guide for Third-Party Storage</a></i>
<ul style="list-style-type: none"> <li>• Requirements for setting up systems based on Data ONTAP-v technology, such as Data ONTAP Edge</li> </ul>	<i><a href="#">Data ONTAP Edge Installation and Administration Guide</a></i>

## Installing storage systems

On the NetApp Support Site, you can find documentation about installing new storage systems, disk shelves, and storage systems in a high-availability configuration.

To learn about installing...	Go to <a href="#">Documentation on the NetApp Support Site...</a>
<ul style="list-style-type: none"> <li>• Disk shelves</li> </ul>	<ul style="list-style-type: none"> <li>• <i>DS2246 Installation and Setup Instructions</i></li> <li>• <i>DS4243, DS2246, DS4486, and DS4246 Disk Shelf Installation and Service Guide</i></li> <li>• <i>DS4243 Overview, Installation and Setup Instructions</i></li> <li>• <i>DS4243, DS2246, DS4486, and DS4246 Disk Shelf Installation and Service Guide</i></li> <li>• <i>Universal SAS and ACP Cabling Guide</i></li> <li>• <i>DiskShelf14mk2 FC and DiskShelf14mk4 FC Hardware and Service Guide</i></li> <li>• <i>DiskShelf14mk2 AT Hardware Service Guide</i></li> </ul>
<ul style="list-style-type: none"> <li>• A single storage system</li> </ul>	<ul style="list-style-type: none"> <li>• The <i>Installation and Setup Guide</i> supplied with your storage system</li> <li>• The <i>Hardware Overview Guide</i> for your storage system</li> </ul>
<ul style="list-style-type: none"> <li>• Systems in a high-availability configuration</li> </ul>	<i>Data ONTAP High Availability and MetroCluster Configuration Guide for 7-Mode</i>
<ul style="list-style-type: none"> <li>• MetroCluster systems</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Configuring a MetroCluster system with SAS disk shelves and FibreBridge 6500N bridges</i></li> <li>• <i>Data ONTAP High Availability and MetroCluster Configuration Guide for 7-Mode</i></li> <li>• <i>Fabric-attached MetroCluster Systems Brocade Switch Configuration Guide</i></li> <li>• <i>Fabric-attached MetroCluster Cisco Switch Configuration Guide</i></li> </ul>

To learn about installing...	Go to <a href="#">Documentation on the NetApp Support Site</a> ...
<ul style="list-style-type: none"> <li>Storage systems based on Data ONTAP-v technology</li> </ul>	<ul style="list-style-type: none"> <li><i>Data ONTAP-v Administration Tool Installation Guide</i></li> <li><i>Data ONTAP Edge Installation and Administration Guide</i></li> </ul>

## Setting up Data ONTAP on storage systems

On the NetApp Support Site, you can find documentation about supported configurations, system setup, administrative functions in a storage system, AutoSupport, and setting up and managing configurations for a storage system.

To learn about...	Go to <a href="#">Documentation on the NetApp Support Site</a> ...
<ul style="list-style-type: none"> <li>Supported configurations</li> <li>Cautions</li> <li>Licensing changes</li> </ul>	<i>Data ONTAP Release Notes for 7-Mode</i>
<ul style="list-style-type: none"> <li>Initial setup of Data ONTAP</li> </ul>	<ul style="list-style-type: none"> <li><i>Data ONTAP Software Setup Guide for 7-Mode</i></li> <li>For Data ONTAP-v systems, the <i>Data ONTAP Edge Installation and Administration Guide</i></li> </ul>
<ul style="list-style-type: none"> <li>Access methods</li> <li>Role-based access control</li> <li>Basic administration</li> <li>AutoSupport</li> </ul>	<i>Data ONTAP System Administration Guide for 7-Mode</i>
<ul style="list-style-type: none"> <li>Setting up Data ONTAP to use native disks or array LUNS</li> </ul>	<i>Data ONTAP Software Setup Guide for 7-Mode</i>
<ul style="list-style-type: none"> <li>Setting up and managing network configurations</li> </ul>	<i>Data ONTAP Network Management Guide for 7-Mode</i>
<ul style="list-style-type: none"> <li>Setting up and administering Data ONTAP-v storage software</li> </ul>	<i>Data ONTAP Edge Installation and Administration Guide</i>

## Upgrading Data ONTAP on storage systems

On the NetApp Support Site, you can find documentation about the software changes for a release, upgrading a storage system to Data ONTAP 8.2, reverting to an earlier release from Data ONTAP 8.2, and the firmware releases that are applicable for your platform and disk drives.

To learn about...	Go to this information source on the NetApp Support Site at <a href="http://support.netapp.com">support.netapp.com</a> ...
<ul style="list-style-type: none"> <li>• New features and enhancements</li> <li>• Known issues</li> <li>• Upgrade cautions</li> <li>• Licensing changes</li> </ul>	<p><i>Data ONTAP Release Notes for 7-Mode</i></p>
<ul style="list-style-type: none"> <li>• Planning and performing a Data ONTAP upgrade</li> </ul>	<ul style="list-style-type: none"> <li>• Upgrade Advisor at <a href="#">MyAutoSupport</a> If your system sends AutoSupport messages to NetApp, you can use the Upgrade Advisor to generate an upgrade plan automatically based on your system configuration.</li> <li>• <i>Data ONTAP Upgrade and Revert/Downgrade Guide for 7-Mode</i> If your system does not send AutoSupport messages, you should use the <i>Release Notes</i> and <i>Upgrade Guide</i> to generate an upgrade plan.</li> </ul>
<ul style="list-style-type: none"> <li>• System configurations and compatibility requirements</li> </ul>	<ul style="list-style-type: none"> <li>• <a href="#">Hardware Universe</a> (formerly the <i>System Configuration Guide</i>)</li> <li>• <a href="#">Interoperability Matrix</a></li> </ul>
<ul style="list-style-type: none"> <li>• System firmware releases available for your platform</li> </ul>	<p><b>Downloads &gt; Firmware &gt; System Firmware and Diagnostics</b></p>
<ul style="list-style-type: none"> <li>• Disk drive firmware release recommended for your disk drives</li> </ul>	<p><b>Downloads &gt; Firmware &gt; Disk Drive and Firmware Matrix</b></p>
<ul style="list-style-type: none"> <li>• Perform remote filer management using RLM (Remote LAN Module)</li> </ul>	<p><b>Downloads &gt; Firmware &gt; RLM Firmware</b></p>
<ul style="list-style-type: none"> <li>• Disk shelf and ESH firmware releases</li> </ul>	<p><b>Downloads &gt; Firmware &gt; Disk Shelf Firmware</b></p>



To learn about...	Go to this information source on the NetApp Support Site at <a href="http://support.netapp.com">support.netapp.com</a> ...
<ul style="list-style-type: none"> <li>• Hardware upgrade of a storage system</li> </ul>	<b>Documentation &gt; Product Documentation &gt; More Resources &gt; 7-Mode Controller Hardware Upgrade Information</b>

## Managing storage systems

On the NetApp Support Site, you can find documentation about performing daily management tasks, such as managing storage resources and data, setting up and managing file access protocols, managing systems in a high-availability configuration, and managing one or more storage systems running Data ONTAP by using a graphical user interface.

To learn about...	Go to <i>Documentation on the NetApp Support Site</i> ...
<ul style="list-style-type: none"> <li>• Access methods</li> <li>• Role-based access control (RBAC)</li> <li>• Basic administration</li> <li>• AutoSupport</li> </ul>	<i>Data ONTAP System Administration Guide for 7-Mode</i>
<ul style="list-style-type: none"> <li>• Managing systems in a high-availability (HA pair) configuration</li> </ul>	<i>Data ONTAP High Availability and MetroCluster Configuration Guide for 7-Mode</i>
<ul style="list-style-type: none"> <li>• Managing storage resources by using aggregates and RAID groups</li> <li>• Managing and provisioning data by using volumes, qtrees, and quotas</li> <li>• Increasing storage efficiency by using deduplication and compression</li> </ul>	<i>Data ONTAP Storage Management Guide for 7-Mode</i>
<ul style="list-style-type: none"> <li>• Managing storage efficiency technologies</li> </ul>	<i>Data ONTAP Storage Efficiency Management Guide for 7-Mode</i>
<ul style="list-style-type: none"> <li>• Setting up and managing file access by using the NFS, CIFS, HTTP, FTP, and WebDAV protocols</li> </ul>	<i>Data ONTAP File Access and Protocols Management Guide for 7-Mode</i>

To learn about...	Go to <a href="#">Documentation on the NetApp Support Site</a> ...
<ul style="list-style-type: none"> <li>• Using the following data protection features of Data ONTAP:               <ul style="list-style-type: none"> <li>• Snapshot technology</li> <li>• SnapMirror</li> <li>• SnapVault</li> <li>• SyncMirror</li> <li>• The <code>vol copy</code> command</li> <li>• Antivirus protection</li> </ul> </li> </ul>	<p><i>Data ONTAP Data Protection Online Backup and Recovery Guide for 7-Mode</i></p>
<ul style="list-style-type: none"> <li>• Data protection using tape devices</li> </ul>	<p><i>Data ONTAP Data Protection Tape Backup and Recovery Guide for 7-Mode</i></p>
<ul style="list-style-type: none"> <li>• Setting up, configuring, and managing vFiler units with the MultiStore software</li> </ul>	<p><i>Data ONTAP MultiStore Management Guide for 7-Mode</i></p>
<ul style="list-style-type: none"> <li>• Configuring and managing iSCSI, FCoE, and FC protocols for clustered SAN environments, including configuration of LUNs, igroups, and targets.</li> </ul>	<p><i>Data ONTAP SAN Administration Guide for 7-Mode (formerly Data ONTAP 7-Mode Block Access Management Guide for iSCSI and FC)</i></p>
<ul style="list-style-type: none"> <li>• Archiving and protecting data for compliance purposes</li> </ul>	<p><i>Data ONTAP Archive and Compliance Management Guide for 7-Mode</i></p>
<ul style="list-style-type: none"> <li>• Data ONTAP commands documented in manual (man) pages</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Data ONTAP Commands: Manual Page Reference for 7-Mode, Volume 1</i></li> <li>• <i>Data ONTAP Commands: Manual Page Reference for 7-Mode, Volume 2</i></li> </ul>
<ul style="list-style-type: none"> <li>• Managing one or more storage systems from a graphical user interface</li> </ul>	<ul style="list-style-type: none"> <li>• <i>OnCommand System Manager Quick Start Guide</i></li> <li>• <i>OnCommand System Manager Help</i></li> <li>• <i>OnCommand Unified Manager Operations Manager Administration Guide</i></li> <li>• <i>OnCommand Unified Manager Administration Guide</i></li> </ul>

## Diagnosing and troubleshooting issues in storage systems

On the NetApp Support Site, you can find documentation about monitoring, troubleshooting, and maintaining the physical resources of storage systems. You can also find information about diagnosing and correcting hardware issues, turning on AutoSupport, and interpreting Syslog messages.

To learn about...	Go to this information source on the NetApp Support Site at <a href="http://support.netapp.com">support.netapp.com</a> ...
<ul style="list-style-type: none"> <li>Monitoring, troubleshooting, and maintaining the physical resources of a system</li> </ul>	<i>Hardware Platform Monitoring Guide</i>
<ul style="list-style-type: none"> <li>Testing field replaceable units and diagnosing and correcting system hardware problems</li> </ul>	<i>System-Level Diagnostics Guide</i>
<ul style="list-style-type: none"> <li>Collecting data and uploading core files and diagnostic data directly to technical support</li> </ul>	<i>Remote Support Agent Configuration Guide for 7-Mode for Use with Data ONTAP</i>
<ul style="list-style-type: none"> <li>Support features of your equipment, including AutoSupport</li> <li>Working with technical support during the life of your storage systems</li> </ul>	<ul style="list-style-type: none"> <li><i>Data ONTAP System Administration Guide for 7-Mode</i></li> <li><i>My AutoSupport</i></li> <li><i>Support Owner's Manual</i></li> </ul>
<ul style="list-style-type: none"> <li>Technical tips and articles to help with specific issues and problems</li> </ul>	<i>Knowledgebase</i>
<ul style="list-style-type: none"> <li>The current status of bugs</li> </ul>	<i>Bugs Online</i>
To learn about...	Go to this information source at <a href="http://netapp.com">netapp.com</a> ...
<ul style="list-style-type: none"> <li>Exchanging knowledge and information with certified experts and fellow professionals</li> <li>Joining current online discussions about storage and IT efficiency and flexibility</li> </ul>	<i>Communities</i>

## Learning about additional tools and resources

On the NetApp Support Site, you can find additional tools and resources that help you administer NetApp products efficiently.

To learn about...	Go to this information source on the NetApp Support Site at <a href="https://support.netapp.com">support.netapp.com</a> ...
<ul style="list-style-type: none"> <li>• Tools and utilities to improve the manageability and performance of your storage systems</li> </ul>	<a href="#"><i>Utility ToolChest</i></a>

To learn about...	Go to this information source at <a href="https://netapp.com">netapp.com</a> ...
<ul style="list-style-type: none"> <li>• Analyst Reports</li> <li>• Customer Stories</li> <li>• Research Papers</li> <li>• Technical Reports</li> <li>• White Papers</li> <li>• Videos</li> </ul>	<a href="#"><i>Library</i></a>

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You can also contact us in the following ways:

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- Telephone: +1 (408) 822-6000
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