



Release notes

Install and maintain

NetApp
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Release notes


What's new for AFF, ASA and FAS systems

Learn about the new features for AFF, ASA and FAS systems.

For details about known issues, limitations, and upgrade cautions in ONTAP 9 releases, refer to the [ONTAP 9 Release Notes](#). You must sign in with your NetApp account or create an account to access the Release Notes.

New platform support

Platforms (with links to data sheets)	Available beginning
ASA C250	ONTAP 9.13.1P1
ASA C400	ONTAP 9.13.1P1
ASA C800	ONTAP 9.13.P11
FAS2820	ONTAP 9.13.1
ASAA150	ONTAP 9.13.1
ASAA250	ONTAP 9.13.1
ASAA400	ONTAP 9.13.1
ASA A900	ONTAP 9.13.1
<ul style="list-style-type: none">• AFF C250• AFF C400• AFF C800	ONTAP 9.12.1P1 ONTAP 9.13.1 GA and later ONTAP releases  These platforms are not supported with ONTAP 9.13.1 RC1.

Platforms (with links to data sheets)	Available beginning
<p>AFF A150</p> <div style="border-left: 1px solid #ccc; padding-left: 10px; margin-top: 10px;">  <p>Do not attempt to install or boot your AFF A150 storage system with an unsupported version of ONTAP. If you attempt to install or boot your system with an unsupported version of ONTAP, ONTAP will allow it (ONTAP will not block the attempt). The consequence is that your AFF A150 storage system will come up as a FAS2750 storage system.</p> </div>	<p>ONTAP 9.13.1 and later ONTAP releases</p> <p>ONTAP 9.12.1P1</p> <p>ONTAP 9.11.1P8</p> <p>ONTAP 9.10.1P12</p>
<p>FAS9500</p>	<p>ONTAP 9.11.1</p> <p>ONTAP 9.10.1P3</p>
<p>AFF A900</p>	<p>ONTAP 9.10.1</p>
<p>AFF A250/AFF ASA A250</p>	<p>ONTAP 9.8</p>
<p>FAS500f</p>	<p>ONTAP 9.8</p>
<p>AFF ASA A800</p>	<p>ONTAP 9.8</p>
<p>FAS8300</p>	<p>ONTAP 9.7</p>
<p>FAS8700</p>	<p>ONTAP 9.7</p>
<p>AFF A400</p>	<p>ONTAP 9.7</p>
<p>AFF ASA A220</p>	<p>ONTAP 9.7</p>
<p>AFF ASA A700</p>	<p>ONTAP 9.7</p>
<p>AFF C190</p>	<p>ONTAP 9.6</p>
<p>AFF A320</p>	<p>ONTAP 9.6</p>

New switch support

Switches	Description	Available beginning
NVIDIA IP SN2100 switch	The NVIDIA IP SN2100 storage switch is supported in MetroCluster IP configurations that use the A900/FAS9500 platforms.	ONTAP 9.12.1
NVIDIA IP SN2100 switch (X190006)	The NVIDIA IP SN2100 storage switch is supported in MetroCluster IP configurations that use the following platforms: <ul style="list-style-type: none"> • FAS500f/AFF A250 • FAS8300/AFF A400 • FAS8700 • FAS9000/AFF A700 • AFF A800 	ONTAP 9.10.1P3
36-port 100 GbE Cisco switch (X190200)	Supports a shared Infrastructure (Cluster, HA, and switch-attached storage) on the same pair of Cisco Nexus 9336C-FX2 switches, including support for MetroCluster IP configurations.	ONTAP 9.9.1
36-port 100 GbE Cisco switch (X190200 and X190210)	Cisco Nexus 9336C-FX2 cluster interconnect switch and storage switch support for AFF/FAS controllers, as well as for front-end data connectivity.	ONTAP 9.8
Broadcom BES-53248 switch (X190005 and X190005R)	Broadcom BES-53248 cluster interconnect switch support for AFF/FAS controllers with 40/100GbE ports.	ONTAP 9.8
36-port 100 GbE Cisco switch (X190200) 32-port 100 GbE Cisco switch (X190100 and X190100R)	Cisco Nexus 100 GbE switch can be used as a dedicated storage switch to connect NS224 NVMe drive shelves to the following platforms: <ul style="list-style-type: none"> • AFF A800/AFF ASA A800 • AFF A700/AFF ASA A700 • AFF A400/AFF ASA A400 • AFF A320 	ONTAP 9.8
Broadcom BES-53248 switch (X190005 and X190005R)	Broadcom BES-53248 cluster interconnect switch support for AFF/FAS controllers with 10/25GbE ports.	ONTAP 9.5P8

New adapter support

Adapter part number	Description	Category	Available beginning
X91148A	2-port 100GbE RoCE QSFP28	<ul style="list-style-type: none"> • Storage • Networking • HA/MetroCluster 	ONTAP 9.8
X91122A	2-port 25GbE RoCE QSFP28	<ul style="list-style-type: none"> • Networking • HA/MetroCluster 	ONTAP 9.8
X9170A	NVMe SSD Module (1 TB)	Core dump device	ONTAP 9.8

New shelf support

Shelves	Available beginning
NS224	ONTAP 9.6

New hardware updates

Functionality	Description and where to learn more	Available beginning
Expanded platform support for NS224 drive shelves	<p>The following platforms support NS224 drive shelves:</p> <ul style="list-style-type: none"> • AFF A800/AFF ASA A800 • AFF A700/AFF ASA A700 • AFF A250/AFF ASA A250 • FAS500f 	ONTAP 9.8
Hot-adding 12Gb SAS shelves to 6Gb SAS storage stacks	<p>A single speed transition from 6Gb to 12Gb in a SAS storage stack is now supported. This enables storage expansion of existing 6Gb stacks with 12Gb shelves.</p> <p>Hot-adding shelves with IOM12 modules to a stack of shelves with IOM6 modules</p>	<p>ONTAP 9.7P4</p> <p>ONTAP 9.6P9</p> <p>ONTAP 9.5P14</p>

Legacy hardware no longer supported

The following systems and switches are no longer supported as of the specified version of ONTAP.

AFF and FAS systems

System	Support discontinued from...
<ul style="list-style-type: none">• AFF A200• FAS2650• FAS2620	ONTAP 9.12.1
<ul style="list-style-type: none">• AFF AFF8020, AFF8040, AFF8060, AFF8080• FAS8020, FAS8040, FAS8060, FAS8080• FAS2520, FAS2552, FAS2554	ONTAP 9.9.1

Switches

Switch	Support discontinued from...
NetApp CN1610 switch	ONTAP 9.13.1
Cluster switches <ul style="list-style-type: none">• Cisco 5596UP• Cisco 5596T	ONTAP 9.11.1

Related information

- [Supported Cisco Ethernet Switches](#)
- [Supported NetApp Ethernet Switches](#)
- [End of Availability Platforms](#)

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