# ■ NetApp

# Release recommendation guide: NetApp ONTAP data management software

Learn about the key new capabilities and benefits that you can gain by upgrading to the latest release of ONTAP. Plus, use this guide to help you determine when you should upgrade.

**GA: General availability.** Each new NetApp® ONTAP® release delivers more benefits, such as new system support and enhanced security, simplicity, deployment flexibility, scalability, and compliance.

GA  0

1

2

EOES  3

4

EOVS  5

6

7

8
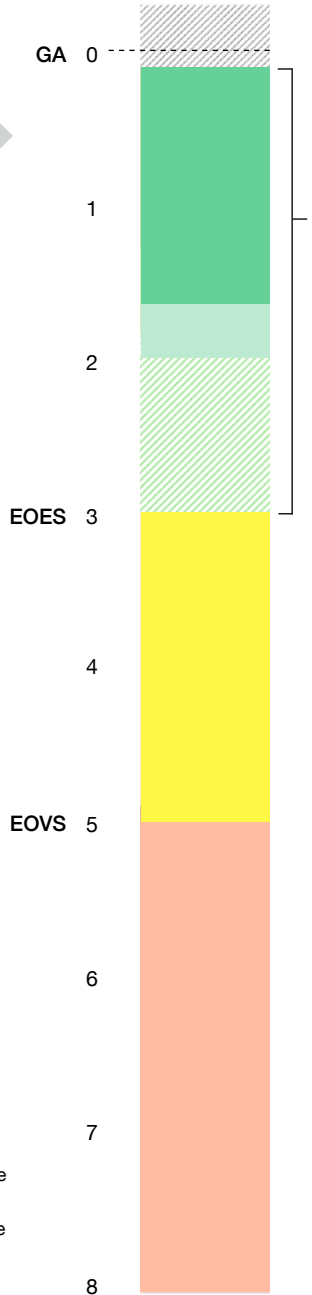
**GA**  0  →  1
1 year

░ Suitable for early deployment
▓ Recommended period to deploy release
░ Period new deployments discouraged
▒ Transition period to newer major release
▓ Limited Support (2 years)
▓ Self-Service Support (3 years)

## FULL SUPPORT - 3 YEARS

- Includes technical support, root-cause analysis, online documentation, online software, alerts about vulnerabilities, and service updates (patch releases [P-releases]).

**Latest release: 9.10.1**

## LIMITED SUPPORT - 2 YEARS

**EOES**: End of engineering support. This date marks the end of full support and the beginning of limited support:

- Includes technical support, root-cause analysis, online documentation, and online software. It does not include service updates (P-releases).

## SELF-SERVICE SUPPORT - 3 YEARS

**EOVS:** End of version support. This date marks the end of limited support and the transition to self-service support:

- Includes online documentation only.

| Ontap version | Feature | Description | Customer value |
|---|---|---|---|
| **9.10.1** | **Security** | • Industry-leading autonomous ransomware protection, based on machine learning | • Quickly detect ransomware attacks and speed up recovery by automatically creating a NetApp Snapshot™ copy and alerting administrators when abnormal file activity occurs. |
| | **Simplicity** | • ONTAP System Manager<br><br>• ONTAP File System Analytics | • Automatically download firmware updates for disks, shelves, service processors, and more. Get additional integration with the NetApp Active IQ® Digital Advisor tool, NetApp Cloud Manager, and certificate management.<br><br>• Get extra telemetry to identify the top files, directories, and users that are generating workloads to your file share. |
| | **Performance** | • Introduction of NVMe over TCP (NVMe/TCP) support for NetApp AFF systems<br><br>• Introduction of NVMe over Fibre Channel (NVMe/FC) support for NetApp FAS systems | • Achieve high performance for enterprise SAN and modern workloads on your AFF systems, plus reduce your TCO by using NVMe/TCP on your existing Ethernet network.<br><br>• Achieve high performance for your FAS systems. |
| | **Hybrid cloud** | • Native hybrid cloud backup for object storage | • Protect ONTAP S3 data by using NetApp SnapMirror® replication storage technology to back up to your choice of object storage. Back up to on-premises storage with NetApp StorageGRID® solutions, in the cloud with Amazon Simple Storage Service (Amazon S3), or to another ONTAP S3 bucket on NetApp AFF and FAS systems. |
| | **Collaboration** | • Global file locking for NetApp FlexCache® solution | • For workloads that require enhanced locking semantics, global file locking enables exclusive file read locks in an origin-to-cache relationship. |
| | **Security** | • Security updates | • Increase safeguards with enhanced multilevel file security and remote access management. |

*For the current release recommendation for this version, <u>click here.</u>

| Ontap version | Feature | Description | Customer value |
|---|---|---|---|
| **9.9.1** | **Data protection** | • MetroCluster IP<br><br>• SnapMirror Business Continuity | • Achieve continuous data availability for NetApp MetroCluster configurations that are up to twice as large as the previous limit.<br><br>• Select from more replication options for backup and disaster recovery for large data containers for NAS workloads. |
| | **Performance** | • Even higher SAN performance | • Increase performance by up to 4 times for single LUN applications such as VMware datastores. |
| | **Hybrid cloud** | • New option for hybrid cloud backup | • StorageGRID is now available as a destination for NetApp Cloud Backup service, providing simplified, automatic backup of your on-premises ONTAP data. |
| | **Hybrid cloud** | • FlexCache with SMB and NetApp Cloud Volumes ONTAP<br><br>• SnapMirror Cloud to replicate Snapshot copies to S3<br><br>• FabricPool to tier data from FAS (HDD) to public/private cloud | • Instantly deliver data to support business collaboration across your hybrid cloud.<br><br>• Protect your data by taking advantage of cloud resources (on-premises and public cloud).<br><br>• Tier data across more of your hybrid cloud and reduce your TCO. |
| | **Simplicity** | • Support for S3 protocol<br><br>• ONTAP File System Analytics<br><br>• Large LUN support (now up to 128TB) | • A unified infrastructure simplifies IT: Block, file, and object storage are now supported on NetApp AFF and FAS systems.<br><br>• Increase visibility into your file workloads.<br><br>• Manage fewer objects (for virtual machines and databases). |

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|---|---|---|---|
| **9.8** | **Continuous availability** | • SnapMirror Business Continuity transparent application failover<br><br>• Nondisruptive transition from FC to IP for MetroCluster | • Deliver business continuity to even more of your data and critical workloads.<br><br>• Get nondisruptive fabric consolidation across sites. |
| | **Reduced TCO** | • Temperature-sensitive storage efficiency | • Increase storage efficiency by up to 33%. |
| | **Security** | • Internet Protocol security (IPsec) | • Encrypt data in flight for your critical applications. |

| Ontap version | Feature | Description | Customer value |
|---|---|---|---|
| **9.7** | **Security** | • Data-at-rest encryption that is enabled by default | • Assure that even more of your data is automatically protected by encryption. The new security dashboard found in Active IQ Unified Manager provides detailed visibility for all your clusters. |
| | **Cloud tiering** | • FabricPool mirroring | • Mirror the same data to multiple cloud storage destinations for an extra level of resilience. |

*For the current release recommendation for this version, click here.

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