



## **Release Notes**

### **ONTAP Select**

NetApp  
February 03, 2026

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# Release Notes

## ONTAP Select Release Notes

The Release Notes for ONTAP Select provide release-specific information, including new features, supported configurations, upgrade notes, known issues, fixed issues, and known limitations.



You need an account to sign in to the NetApp Support Site to access the Release Notes.

### Current version of ONTAP Select

You can access the [ONTAP Select 9.16.1 Release Notes](#) to view the details about the current version.

## What's new for ONTAP Select

Learn about the new features and enhancements in supported versions of ONTAP Select.

### ONTAP Select 9.16.1

ONTAP Select 9.16.1 includes several new features and improvements.

#### Updated NetApp License File support

Beginning with ONTAP Select 9.16.1, the NetApp License File (NLF) support is updated. The new NLF format includes licenses for the ARP, ONTAP S3, and S3 SnapMirror features. [Learn more.](#)

For a new ONTAP Select 9.16.1 Deploy, the new NLF format is automatically applied. When you upgrade an existing ONTAP Select Deploy to 9.16.1, the new NLF format is not applied. To get the ARP, ONTAP S3, and S3 SnapMirror feature licenses, you must download the updated NLF after you upgrade. If you revert to ONTAP Select 9.15.1 or earlier, you must reinstall the feature licenses that you had before the upgrade.

#### Support for Autonomous Ransomware Protection

ONTAP Select 9.16.1 introduces support for Autonomous Ransomware Protection (ARP). ONTAP Select 9.16.1 only supports manual updates for ARP, automatic updates are not supported. The ARP feature license is included in the NLF for ONTAP Select 9.16.1. [Learn more.](#)

#### Enhanced VMware ESXi support

ONTAP Select 9.16.1 includes support for VMware ESXi 8.0 U3.

#### Updated KVM hypervisor support

Beginning with ONTAP Select 9.16.1, Kernel-Based Virtual Machine (KVM) hypervisor is supported on Red Hat Enterprise Linux (RHEL) 9.5 and Rocky Linux 9.5.

### ONTAP Select 9.15.1

ONTAP Select 9.15.1 includes several new features and improvements.

#### Updated KVM hypervisor support

Beginning with ONTAP Select 9.15.1, Kernel-Based Virtual Machine (KVM) hypervisor is supported on RHEL 9.4 and Rocky Linux 9.4.

## Support for cluster expansion and contraction

Beginning with ONTAP Select 9.15.1, cluster expansion and contraction is supported.

- Cluster expansion from six-node to eight-node clusters

You can increase the cluster size from a six-node cluster to an eight-node cluster with the cluster expansion feature. Cluster expansions from one, two, or four-node clusters to six or eight-node clusters are not currently supported. [Learn more](#).

- Cluster contraction eight-node to six-node clusters

You can decrease the cluster size from an eight-node cluster to six-node cluster with the cluster contraction feature. Cluster contractions from six or eight-node clusters to one, two, or four-node clusters are not currently supported. [Learn more](#).



Support for cluster expansion and contraction is limited to ESX clusters only.

## ONTAP Select 9.14.1

ONTAP Select 9.14.1 includes several new features and improvements.

### Support for KVM hypervisor

Beginning with ONTAP Select 9.14.1, support for KVM hypervisor has been reinstated. Previously, support for deploying a new cluster on a KVM hypervisor was removed in ONTAP Select 9.10.1 and support for managing existing KVM clusters and hosts, except to take offline or delete, was removed in ONTAP Select 9.11.1.

### Deploy VMware vCenter plug-in is no longer supported

Beginning with ONTAP Select 9.14.1, the Deploy VMware vCenter plug-in is no longer supported.

### Updated ONTAP Select Deploy support

If you are running a version of ONTAP Select Deploy 9.14.1 lower than 9.14.1P2, you should upgrade to ONTAP Select Deploy 9.14.1P2 as soon as possible. For more information, see the [ONTAP Select 9.14.1 Release Notes](#).

### Enhanced VMware ESXi support

ONTAP Select 9.14.1 includes support for VMware ESXi 8.0 U2.

## ONTAP Select 9.13.1

ONTAP Select 9.13.1 includes several new features and improvements.

### Support for NVMe over TCP

When you upgrade to ONTAP Select 9.13.1, you must have the new license to support NVMe over TCP. This license is automatically included when you deploy ONTAP Select for the first time from version 9.13.1.

### Updated VMware ESXi support

Beginning with ONTAP 9.13.1, VMware ESXi 8.0.1 GA (build 20513097) is supported with hardware version 4 and later.

## Updated ONTAP Select Deploy support

As of April 2024, ONTAP Select Deploy 9.13.1 is no longer available on the NetApp Support Site. If you are running ONTAP Select Deploy 9.13.1, you should upgrade to ONTAP Select Deploy 9.14.1P2 as soon as possible. For more information, see the [ONTAP Select 9.14.1 Release Notes](#).

## ONTAP Select 9.12.1

ONTAP Select 9.12.1 benefits from most of the new developments in the current release of the core ONTAP product. It does not include any new features or improvements specific to ONTAP Select.

As of April 2024, ONTAP Select Deploy 9.12.1 is no longer available on the NetApp Support Site. If you are running ONTAP Select Deploy 9.12.1, you should upgrade to ONTAP Select Deploy 9.14.1P2 as soon as possible. For more information, see the [ONTAP Select 9.14.1 Release Notes](#).

## ONTAP Select 9.11.1

ONTAP Select 9.11.1 includes several new features and improvements.

### Enhanced VMware ESXi support

ONTAP Select 9.11.1 includes support for VMware ESXi 7.0 U3C.

### Support for VMware NSX-T

ONTAP Select 9.10.1 and later releases have been qualified for VMware NSX-T version 3.1.2. There are no functional issues or deficiencies when using NSX-T with an ONTAP Select single-node cluster deployed with an OVA file and the ONTAP Select Deploy administration utility. However, when using NSX-T with an ONTAP Select multi-node cluster, you should note the following limitation for ONTAP Select 9.11.1:

- Network connectivity checker

The network connectivity checker available through the Deploy CLI fails when it is run against an NSX-T based network.

### KVM hypervisor is no longer supported

- Beginning with ONTAP Select 9.10.1, you can no longer deploy a new cluster on the KVM hypervisor.
- Beginning with ONTAP Select 9.11.1, all manageability functionality is no longer available for existing KVM clusters and hosts, except for the take offline and delete functions.

NetApp strongly recommends that customers plan and execute a full data migration from ONTAP Select for KVM to any other ONTAP platform, including ONTAP Select for ESXi. For more information, see the [EOA Notice](#)

## ONTAP Select 9.10.1

ONTAP Select 9.10.1 includes several new features and improvements.

### Support for VMware NSX-T

ONTAP Select 9.10.1 has been qualified for VMware NSX-T version 3.1.2. There are no functional issues or deficiencies when using NSX-T with an ONTAP Select single-node cluster deployed with an OVA file and the ONTAP Select Deploy administration utility. However, when using NSX-T with an ONTAP Select multi-node cluster, you should note the following requirements and limitations:

- Cluster MTU

You must manually adjust the cluster MTU size to 8800 before deploying the cluster to account for the additional overhead. The VMware guidance is to allow for a 200-byte buffer when using NSX-T.

- Network 4x10Gb configuration

For ONTAP Select deployments on a VMware ESXi host configured with four NICs, the Deploy utility will prompt you to follow the best practice of splitting internal traffic across two different port groups and external traffic across two different port groups. However, when using an overlay network this configuration does not work and you should disregard the recommendation. In this case, you should instead use only one internal port group and one external port group.

- Network connectivity checker

The network connectivity checker available through the Deploy CLI fails when it is run against an NSX-T based network.

### **KVM hypervisor is no longer supported**

Beginning with ONTAP Select 9.10.1 you can no longer deploy a new cluster on the KVM hypervisor. However, if you upgrade a cluster from a previous release to 9.10.1 you can still use the Deploy utility to administer the cluster.

## **ONTAP Select 9.9.1**

ONTAP Select 9.9.1 includes several new features and improvements.

### **Processor family support**

Beginning with ONTAP Select 9.9.1, only CPU models from Intel Xeon Sandy Bridge or later are supported for ONTAP Select.

### **Updated VMware ESXi support**

Support for VMware ESXi has been enhanced with ONTAP Select 9.9.1. The following releases are now supported:

- ESXi 7.0 U2
- ESXi 7.0 U1

## **ONTAP Select 9.8**

There are several new and changed features included in ONTAP Select 9.8.

### **High speed interface**

The high speed interface feature enhances network connectivity by providing an option for both 25G (25GbE) and 40G (40GbE). To achieve the best performance when using these higher speeds, you should follow the best practices regarding port mapping configurations as described in the ONTAP Select documentation.

### **Updated VMware ESXi support**

There are two changes for ONTAP Select 9.8 regarding the support for VMware ESXi.

- ESXi 7.0 is supported (GA build 15843807 and later)

- ESXi 6.0 is no longer supported

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