



# Preparing for deployment

## Snapdrive for Unix

NetApp

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# Preparing for deployment

The hosts on which you install SnapDrive for UNIX must meet the specific software, hardware, browser, database, and operating system requirements. For more information about the requirements, see the Interoperability Matrix tool.

## Steps

1. Verify that you have the required licenses.
2. Verify SnapDrive support for your configuration.
3. Verify that your Linux host meets SnapDrive requirements.

## Related information

[SnapDrive for UNIX license requirements](#)

[Supported configurations](#)

[Linux host requirements](#)

[NetApp Interoperability Matrix Tool](#)

## SnapDrive for UNIX license requirements

Before you install SnapDrive for UNIX, you must ensure that you have the appropriate licenses for the required software and protocols.

SnapDrive for UNIX license requirements are as follows:

License	Description	Where installed
SnapRestore	A required license that enables SnapDrive for UNIX to restore Snapshot copies.	On NetApp storage systems
FlexClone	An optional license for cloning Snapshot copies.	On NetApp storage systems
Protocols	Required for LUNs, the iSCSI or FC license.	On NetApp storage systems
SnapMirror	An optional license for mirroring backups to a storage system.	On NetApp storage systems
SnapVault	An optional license for archiving backups to a storage system.	On NetApp storage systems

# Supported configurations

You should use the NetApp Interoperability Matrix Tool (IMT) to verify SnapDrive support for your configuration before installing SnapDrive for UNIX.

## Related information

[NetApp Interoperability Matrix Tool](#)

# Linux host requirements

You must prepare the Linux host before you can install SnapDrive for UNIX.

- You must download and install the Linux Host Utilities from the NetApp Support Site if you are using the FC or iSCSI protocol.

[NetApp Downloads: Software](#)

You must verify that the Linux Host Utilities are installed successfully by using the `sanlun version` command.

- You must install the `sg3_utils` package in all Linux systems so that the SnapDrive for UNIX commands function properly.



You must ensure that the `sg3_utils` and `sg3_utils-libs` libraries are available for Red Hat Enterprise Linux (RHEL) and Oracle Enterprise Linux (OEL). The `sg3_utils` libraries are available in the `scsi*` package for SUSE Linux Enterprise Server (SLES) 10 and earlier and in the `sg3_utils*` package for SLES 11 and later.

- You must download and install these libraries or binary packages if your host is a 64-bit Linux operating system and you are trying to install the 32-bit SnapDrive for UNIX.
  - 32-bit version of the `glibc`, `libnl`, `libhba`, `libgcc` packages from the *Red Hat Enterprise Linux site*.

[Red Hat Enterprise Linux site](#)

The SnapDrive for UNIX installation fails if the 32-bit version of the `glibc` package is missing in the host system.

- 32-bit binaries of the `QConvergeConsoleCLI` package from the *QLogic site*. You must also change `qla2xxx64 /usr/lib64/libqlsdm.so` to `qla2xxx /usr/lib/libqlsdm.so` in the `/etc/hba.conf` file for QLogic HBAs if your host is a 64-bit Linux operating system and install 32-bit binaries of Emulex OnCommand Manager packages for Emulex HBA.

[QLogic site](#)

- You must install the `libHBAAPI` package or a vendor-specific package if the transport protocol is FC for SnapDrive for UNIX to work on the host.
- You must install the supported host Service Packs on the host before installing SnapDrive for UNIX.

The *Interoperability Matrix tool* has more information about the supported service packs.

**Related information**

[NetApp Interoperability Matrix Tool](#)

[NetApp Support](#)

[Linux Unified Host Utilities 7.1 Installation Guide](#)

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