



# **Considerations for performing data protection**

## **SnapManager for SAP**

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# Considerations for performing data protection

You must be aware of certain considerations for performing data protection.

- To perform clone or restore operations from secondary systems, you must mount the destination volume in the namespace and export it properly.
- You must disable the SnapDrive configuration parameter `check-export-permission-nfs-clone` by setting the value to **off**.

The SnapDrive for UNIX documentation on the NetApp Support Site contains additional information about the `check-export-permission-nfs-clone` parameter.

- You must configure the SnapMirror relationship for the requested secondary storage volumes in the secondary storage system.
- You must configure the SnapVault relationship for the requested secondary storage qtrees in the secondary storage system for Data ONTAP operating in 7-Mode.
- You must define a policy and rules for the user-defined SnapMirror label if you are using SnapVault post-script for clustered Data ONTAP.

SnapVault post-script supports clustered Data ONTAP volumes and the SnapMirror relation types DP and XDP. The ONTAP documentation on the NetApp Support Site contains information about configuring SnapMirror and SnapVault.

[Documentation on the NetApp Support Site](#)

## Licences required for data protection in SnapManager

You must ensure that licenses required for data protection are installed and enabled on the primary and secondary storage systems.

Primary storage systems receive the latest transaction updates for the Oracle database, store the data, and provide local backup protection of the database. The primary storage system also maintains database data files, log files, and control files. Secondary storage systems act as remote storage for the protected backups.

For data protection, the following licenses must be installed and enabled on primary storage systems:



If you want to enable data protection on the secondary storage systems, you must also install and enable these licenses on the secondary storage systems.

- Either Data ONTAP operating in 7-Mode (7.3.1 or later) or clustered Data ONTAP (8.2 or later)
- SnapVault
- SnapRestore
- SnapMirror
- FlexClone is required for cloning.

FlexClone is also, required for Storage Area Network (SAN) only if SnapDrive is configured to use FlexClone in SAN environments.

- The appropriate protocol, for example, Internet Small Computer System Interface (iSCSI), or Fibre Channel (FC)

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