



# Preparing data protection features for transition

## ONTAP 7-Mode Transition

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# Preparing data protection features for transition

You must perform some manual steps for transitioning 7-Mode SnapMirror relationships. You must also be aware of the data protection relationships that are supported and unsupported for transition.

## Preparing the cluster for transitioning volume SnapMirror relationships

For transitioning 7-Mode volume SnapMirror relationships, you must add the SnapMirror license to the source and destination clusters. You must also create a cluster peer relationship between the clusters to which the primary and secondary volumes of the SnapMirror relationships are transitioned and create the SnapMirror schedules.

You must have recorded the SnapMirror schedules defined in the `/etc/snapmirror.conf` file of the 7-Mode secondary system.

### Steps

1. Add the SnapMirror license on both the source and destination clusters:

```
system license add license_code
```

2. From each cluster, create the cluster peer relationship.

[Cluster and SVM peering express configuration](#)

3. Create schedules on the secondary SVMs that match the schedules in the 7-Mode secondary system:

```
job schedule cron create
```

### Related information

[ONTAP 9 commands](#)

## Data protection transition: supported and unsupported configurations

You can transition a volume that is part of a SnapMirror relationship. However, some data protection and disaster recovery configurations are not supported for transition and therefore you have to perform some manual steps for transitioning these configurations.

### Supported configurations

You can transition volume SnapMirror relationships by using the 7-Mode Transition Tool. You can perform a copy-free transition of primary and secondary HA pairs. You must then manually set up the volume SnapMirror relationships after transition.

[Transitioning a SnapMirror relationship](#)

## Unsupported configurations

- SnapVault relationships

Volumes that are the source of a SnapVault relationship can be migrated; however, the SnapVault relationship is not transitioned. A volume that is the destination of a SnapVault relationship can be migrated only after the SnapVault backups are stopped.

[NetApp Technical Report 4052: Successfully Transitioning to Clustered Data ONTAP \(Data ONTAP 8.2.x and 8.3\)](#)

- Qtree SnapMirror relationships

Volumes with qtrees that are the source of a qtree SnapMirror relationship can be transitioned, but the qtree SnapMirror relationship is not transitioned. A volume with a qtree that is the destination of a qtree SnapMirror relationship can be migrated only after the qtree SnapMirror relationship is broken.

- Disaster recovery vFiler unit

Volumes that are the source of a disaster recovery vFiler unit can be migrated; however, the disaster recovery vFiler unit is not transitioned. A volume that is the destination of a disaster recovery vFiler unit can be migrated only after the disaster recovery relationship is deleted.

- NDMP configuration

After the transition is complete, you must manually set up backup policies for the transitioned volumes in ONTAP.

[Data protection using tape backup](#)

- Synchronous SnapMirror relationships

This feature is not supported in ONTAP; however, the volumes that are part of the relationship can be transitioned.

## Related information

[Customizing the transition of 7-Mode configurations](#)

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