



# **Customizing the transition of 7-Mode configurations**

## ONTAP 7-Mode Transition

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# Customizing the transition of 7-Mode configurations

When planning the transition of configurations from 7-Mode to ONTAP, you can customize the configuration transition in two ways. You can ignore or skip the transition of one or more configurations. You can consolidate the 7-Mode NFS export rules, and then reuse an existing NFS export policy and Snapshot policy on the target SVM.

The 7-Mode Transition Tool does not perform prechecks for the configuration that is excluded.

By default, all 7-Mode configurations are selected for transition.

It is a best practice to run the prechecks with all configurations first, and then exclude one or more configurations in the subsequent run of the prechecks. This helps you to understand which configurations are excluded from transition and which prechecks are skipped subsequently.

## Steps

1. From the Plan Configuration page, select the following options from the **SVM Configuration** pane:
  - For excluding the transition of configurations, clear the check box for those configurations.
  - For consolidating similar 7-Mode NFS export rules to a single export policy in ONTAP, which can then be applied to the transitioned volume or qtree, select the **Consolidate NFS Export Policies on 7-Mode** check box.
  - For reusing an existing NFS export policy on the SVM that matches the export policy that will be created by the tool, which can then be applied to the transitioned volumes or qtrees, select the **Reuse Export Policies of SVM** check box.
  - For consolidating similar 7-Mode Snapshot schedules to a single Snapshot policy in ONTAP, which can then be applied to the transitioned volume, select the **Consolidate 7-Mode Snapshot Policies** check box.
  - For reusing an existing Snapshot policy on the SVM that matches the Snapshot policy that will be created by the tool, which can then be applied to the transitioned volumes, select the **Reuse Snapshot Policies of SVM** check box.
2. Click **Save and go to Dashboard**.

## Related information

[NFS transition: supported and unsupported configurations, and required manual steps](#)

[Supported and unsupported CIFS configurations for transition to ONTAP](#)

[Data protection transition: supported and unsupported configurations](#)

[Name services transition: supported and unsupported configurations, and required manual steps](#)

## Examples of consolidating NFS export rules and Snapshot schedules for transition

You might want to review examples of how similar 7-Mode export rules and 7-Mode Snapshot schedules are consolidated to a single NFS export policy and a single

Snapshot policy in ONTAP. You might also want to understand how the consolidated policies are assigned to the transitioned volumes or qtrees with or without reusing a matching existing policy on the target SVM.

## Example of consolidating NFS export rules for transition

### NFS export rules in 7-Mode and ONTAP before transition

#### 7-Mode export rules

```
/vol/vol1      -sec=sys, rw, nosuid
/vol/vol2      -sec=sys, rw, nosuid
/vol/vol3      -sec=sys, rw, nosuid
```

#### Export policies existing in ONTAP

```
cluster-2::> vserver export-policy show -vserver vs1
Vserver          Policy Name
-----
vs1             default
vs1             export_policy_1
```

The existing export policy `export_policy_1` has the following export rule:

```
cluster-2::> vserver export-policy rule show -vserver vs1 -policyname
export_policy_1
      Policy          Rule      Access      Client          RO
Vserver      Name          Index      Protocol      Match          Rule
-----
vs1          export_policy_1 1      nfs      0.0.0.0/0      sys
```

#### Export policies in ONTAP after transition with consolidation (no reuse)

Volumes `vol1`, `vol2`, and `vol3` have similar export rules in 7-Mode; therefore, a new consolidated export policy, `transition_export_policy_1`, is assigned to these volumes after transition:

```
cluster-2::> vserver export-policy show -vserver vs1
Vserver          Policy Name
-----
vs1              default
vs1              export_policy_1
vs1              transition_export_policy_1
3 entries were displayed.
```

```
cluster-2::> vserver export-policy rule show -vserver vs1 -policyname
transition_export_policy_1
          Policy          Rule     Access     Client      RO
Vserver      Name          Index     Protocol   Match      Rule
-----
-----          -----          -----      -----      -----
-----          -----          -----      -----      -----
vs1          transition_export_policy_1
              1          nfs      0.0.0.0/0      sys
```

```
cluster-2::> volume show -vserver vs1 -volume vol1,vol2,vol3 -fields
policy
vserver volume policy
-----
vs1      vol1      transition_export_policy_1
vs1      vol2      transition_export_policy_1
vs1      vol3      transition_export_policy_1
3 entries were displayed.
```

### Export policies in ONTAP after transition with consolidation and reuse

Volumes vol1, vol2, and vol3 have similar export rules in 7-Mode; therefore, a consolidated export policy is assigned to these volumes after transition. The export policy, `export_policy_1`, which matches the 7-Mode export rules, already exists on the SVM. Therefore, the policy is applied to these volumes:

```
cluster-2::> vserver export-policy show -vserver vs1
Vserver          Policy Name
-----
vs1              default
vs1              export_policy_1
2 entries were displayed.
```

```
cluster-2::> vserver export-policy rule show -vserver vs1 -policyname
export_policy_1
      Policy          Rule     Access   Client          RO
Vserver     Name          Index   Protocol Match          Rule
-----
-----
vs1          export_policy_1 1      nfs      0.0.0.0/0      sys
```

```
cluster-2::> volume show -vserver vs1 -volume vol1,vol2,vol3 -fields
policy
vserver volume policy
-----
vs1      vol1      export_policy_1
vs1      vol2      export_policy_1
vs1      vol3      export_policy_1
3 entries were displayed.
```

## Example of consolidating Snapshot policies for transition

### Snapshot schedules in 7-Mode and ONTAP before transition

#### 7-Mode schedule

7-Mode volume	7-Mode Snapshot schedule
vol1	0 2 4@8,12,16,20 (weekly Snapshot copies: 0, daily Snapshot copies: 2, hourly Snapshot copies: 6 at 2, 4, 8, 12, 16, 20 hours)
vol2	0 2 4@8,12,16,20
vol3	0 2 4@8,12,16,20
vol4	1 2 3@8,12,16 (weekly Snapshot copies: 1, daily Snapshot copies: 2, hourly Snapshot copies: 3 at 8,12,16 hours)
vol5	2 2 3@8,12,16 (weekly Snapshot copies: 2, daily Snapshot copies: 2, hourly Snapshot copies: 3 at 8,12,16 hours)

### Snapshot policies existing in ONTAP

Snapshot policy name	Policy details
ScheduleWeekly	Weekly, count: 1
ScheduleDailyHourly4	<b>Schedule details</b> <ul style="list-style-type: none"> <li>• Schedule1: daily, count1: 2</li> <li>• Schedule2: hourly, count2: 4 every 8, 12, 16, 20 hours</li> </ul>
ScheduleHourly1	Hourly at 8, 12, 16, 20 hours, count: 4

#### Snapshot policy in ONTAP after transition with consolidation (no reuse)

7-Mode volume	7-Mode Snapshot schedule	Snapshot policy in ONTAP
vol1	0 2 4@8,12,16,20 (weekly Snapshot copies: 0, daily Snapshot copies: 2, hourly Snapshot copies: 4 at 8, 12, 16, 20 hours)	<b>Consolidated policy for vol1, vol2, and vol3</b> <ul style="list-style-type: none"> <li>• Name: transition_snapshot_policy_0</li> <li>• Schedule details <ul style="list-style-type: none"> <li>◦ Schedule1: daily, count1: 2</li> <li>◦ Schedule2: hourly, count2: 4 every 8, 12, 16, 20 hours</li> </ul> </li> </ul>
vol2	0 2 4@8,12,16,20	vol3
0 2 4@8,12,16,20	vol4	1 2 3@8,12,16 (weekly Snapshot copies: 1, daily Snapshot copies: 2, hourly Snapshot copies: 3 at 8,12,16 hours)
<ul style="list-style-type: none"> <li>• Name: transition_snapshot_policy_1</li> <li>• Schedule details <ul style="list-style-type: none"> <li>◦ Schedule1: weekly, count1: 1</li> <li>◦ Schedule2: daily, count2: 2</li> <li>◦ Schedule3: hourly, count3: 3 every 8,12,16 hours</li> </ul> </li> </ul>	vol5	2 2 3@8,12,16 (weekly Snapshot copies: 2, daily Snapshot copies: 2, hourly Snapshot copies: 3 at 8,12,16 hours)

#### Snapshot policy in ONTAP after transition with consolidation and reuse

7-Mode volume	7-Mode Snapshot schedule	Snapshot policy in ONTAP
vol1	0 2 4@8,12,16,20 (weekly Snapshot copies: 0, daily Snapshot copies: 2, hourly Snapshot copies: 4 at 2, 4, 8, 12, 16, 20 hours)	Consolidated policy for vol1, vol2, and vol3 for which the existing ONTAP policy is reused  Name: ScheduleDailyHourly4
vol2	0 2 4@8,12,16,20	vol3
0 2 4@8,12,16,20	vol4	1 2 3@8,12,16 (weekly Snapshot copies: 1, daily Snapshot copies: 2, hourly Snapshot copies: 3 at 8,12,16 hours)
<ul style="list-style-type: none"> <li>• Name: transition_snapshot_policy_1</li> <li>• Schedule details <ul style="list-style-type: none"> <li>◦ Schedule1: weekly, count1: 1</li> <li>◦ Schedule2: daily, count2: 2</li> <li>◦ Schedule3: hourly, count3: 3 every 8,12,16 hours</li> </ul> </li> </ul>	vol5	2 2 3@8,12,16 (weekly Snapshot copies: 2, daily Snapshot copies: 2, hourly Snapshot copies: 3 at 8,12,16 hours)

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