Module 0: Getting Started

Exercise 0: Checking the Exercise Equipment

Task 1: Ensure Connectivity to your ONTAP Cluster

Pg_8(step1-8): The screenshot will vary so refer the below image.

```
cluster1::> version
NetApp Release 9.8: Wed Dec 09 01:07:39 UTC 2020
```

Task 2: Synchronous System Time for Windows Domains

Note: The **Time Zone** of the **ONTAP Cluster** and the **Windows Domain** will be in **Asia/Singapore** so don't change the **time or time zone** in this task.

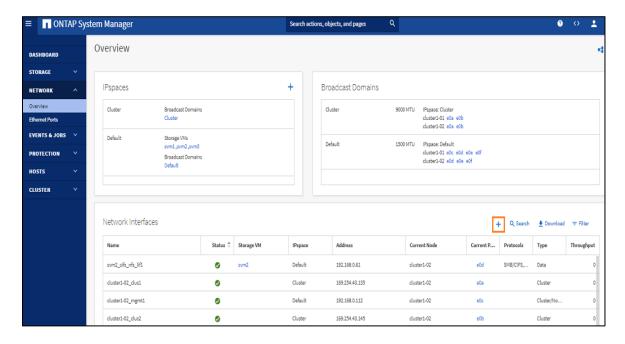
Module 2: SnapMirror Fundamentals

Exercise 2: Configuring Cluster Peering and SVM Peering

Task 1: Create Intercluster LIFs

Pg_19(step_1-6): The screenshot may vary for the System Manager Dashboard.

Pg_21(step_1-11): The screenshot will vary so kindly refer the below image



Task 3: Configure Cluster Peering

Pg_30(step_3-13): To check the **current health status** of cluster peer relationship use the below command

cluster1: :> cluster peer health show -bypass-cache true

Module 3: SnapMirror Operation

Exercise 1: Using SnapMirror Asynchronous to Mirror FlexVol Volumes

Task 2: Verify Data Transfer

Pg_44(step2-4): In the **Export Settings section, Mount path** will be shown only after clicking the **Mount** checkbox. The screenshot will vary.

Pg_47(step2-15): In the **Map Network Drive** window, the **Reconnect at sign-in** checkbox will be in **unchecked** state so the screenshot will vary.

The following output in the respective steps varies because of Reconnect at sign-in:

- Page48_Step 2-17
- Page82_Step 2-3
- Page 88 Step2-21
- Page 106 Step3-13
- Page 129_Step4-15

Exercise 3: Configuring SnapMirror Unified Replication for Vaulting

Task 2: Verify Data Transfer

Pg_86(step2-14): In the **Export Settings section, Mount path** will be shown only after clicking the **Mount** checkbox. The screenshot will vary.

Exercise 5: Configuring a SnapMirror Synchronous Relationship

Task 1: Create an SM-S Policy

Pg_94(step_1-5): After selecting the **Policy Type** check that the **Policy Name** is applied properly.

Task 2: Create an SM-S Relationship

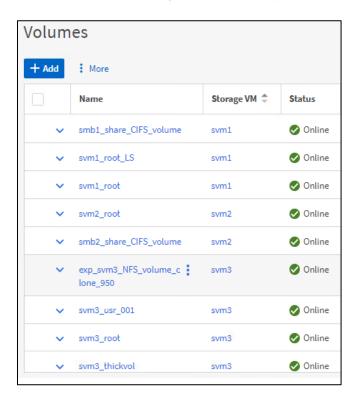
Pg_97(step2-9): It takes few minutes for the smb2_share_CIFS_volume changes to In sync in the Status.

Module 4: SVM DR

Exercise 1: Configure SVM

Task 1: Check Space Requirements

Pg_113(step_1-1): The screenshot will vary for the **Volume page**, so refer the below image.



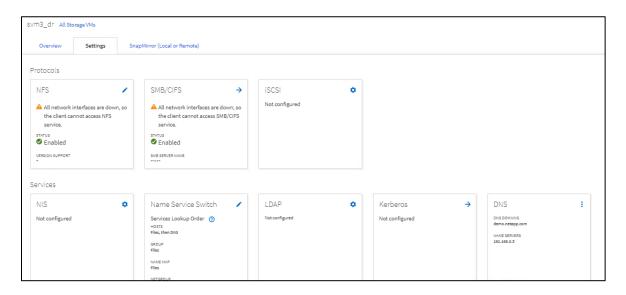
Pg_114(step_1-4): In the **Capacity Column**, position your cursor over the blue color in the capacity bar to view the **used capacity**.

Pg_115(step_1-8): Navigate to **Tier > HDD** pane, the screenshot will vary for the **Tier > HDD** pane, so refer the below image.

Task 3: Create SVM DR Relationship

Pg_121(Step_3-7): In the Relationship page, the State of the relationship will reflect Mirrored once the transfer status turns to idle.

Pg_123(Step_3-11): In the Settings page of svm3_dr, the screenshot will vary so kindly refer the below image.



Task 4: Fail Over to the Disaster-Recovery SVM

Pg_129(step4-15): In the Map Network Drive window, the drive letter for mapping the CIFS share differs so the screenshot will vary.