# Module 6: Managing Data Across a Hybrid Cloud

### **Exercise 2: Implement a Disaster-Recovery Configuration**

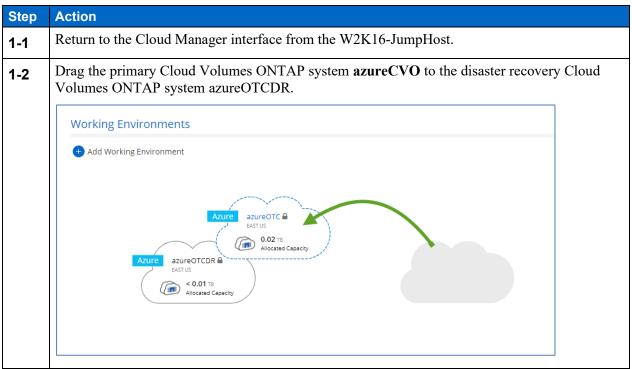
In this exercise, you use Cloud Manager to set up and manage SnapMirror relationships. You also use Cloud Manager to perform a cross-cloud disaster recovery.

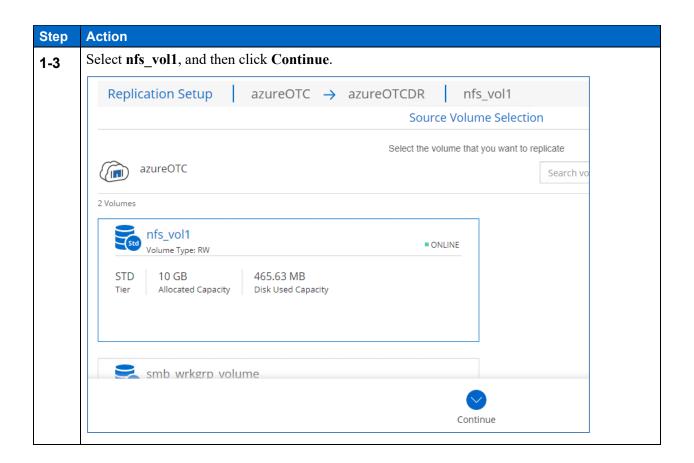
#### **Objectives**

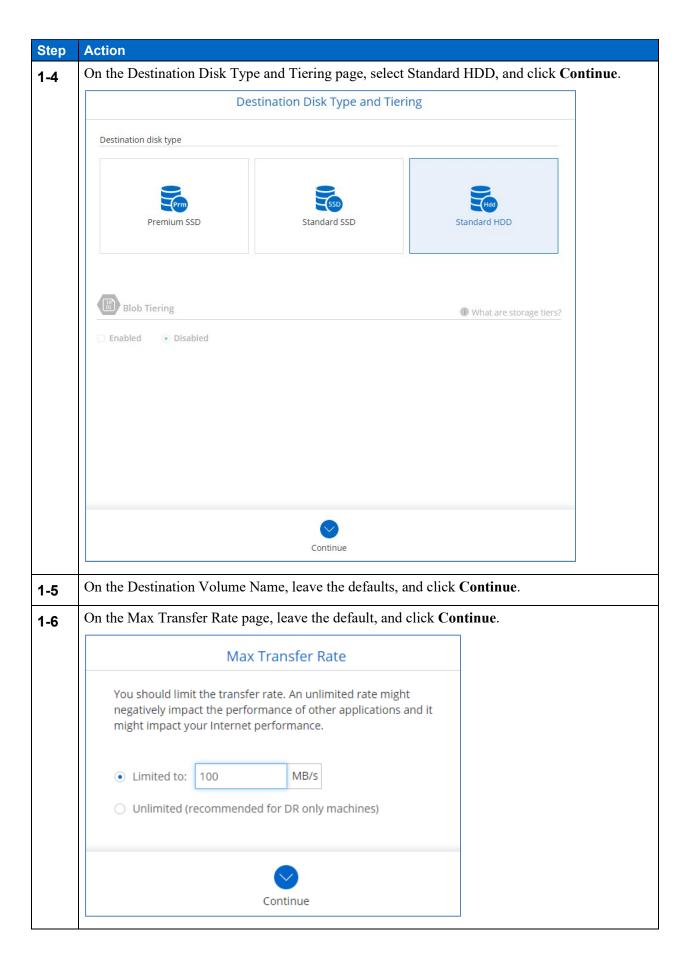
This exercise focuses on enabling you to do the following:

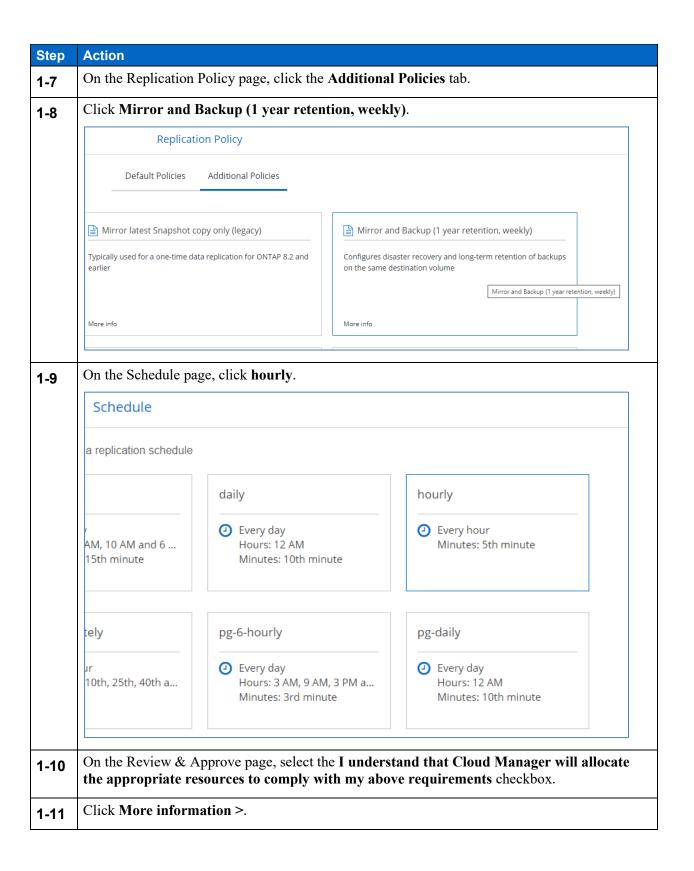
- Use Cloud Manager to implement cross-cloud SnapMirror relationships
- Perform a disaster recovery
- Reset the original SnapMirror relationship

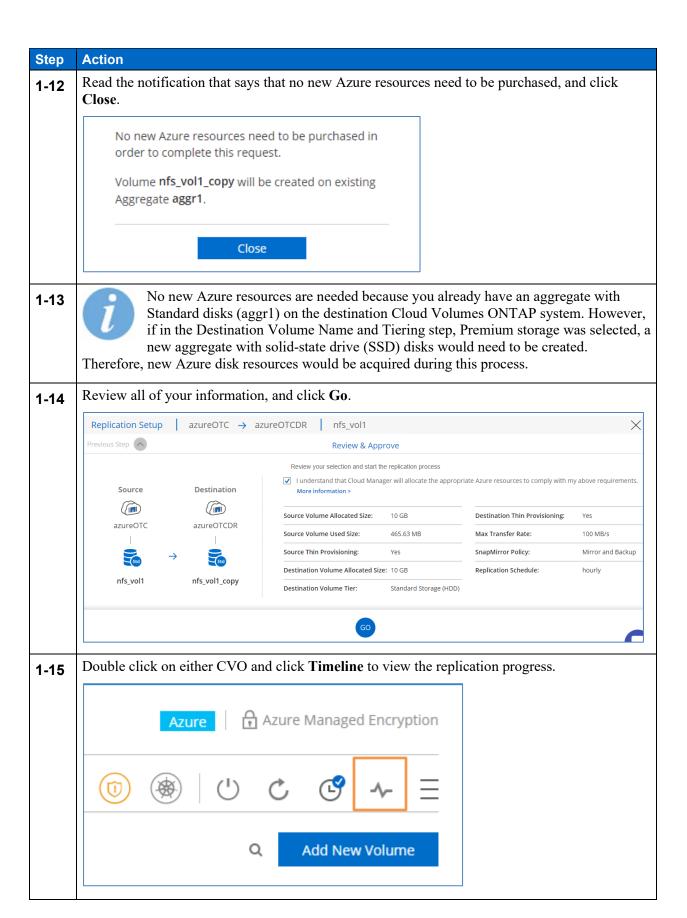
### Task 1: Create a SnapMirror Relationship

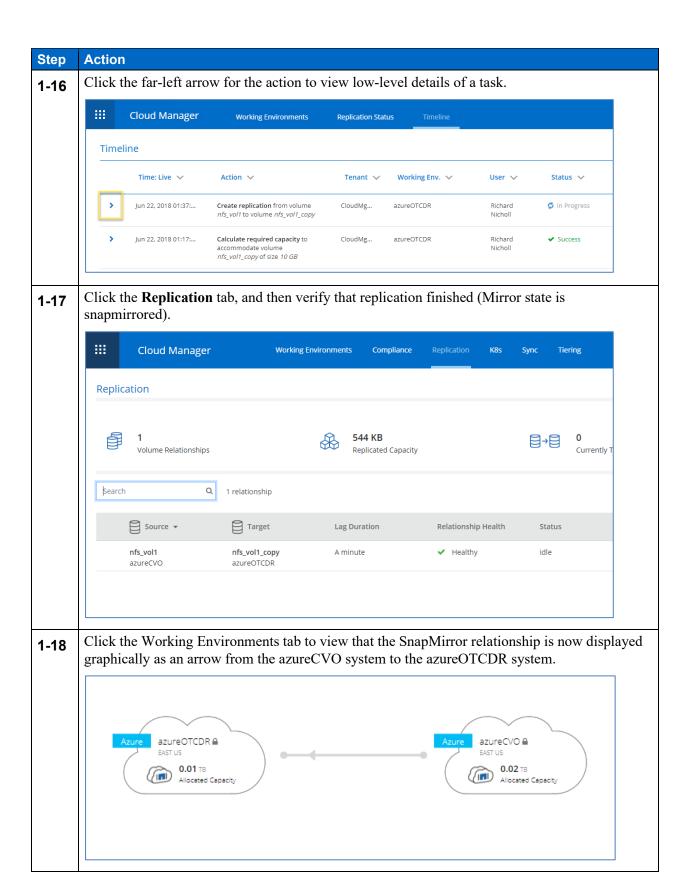






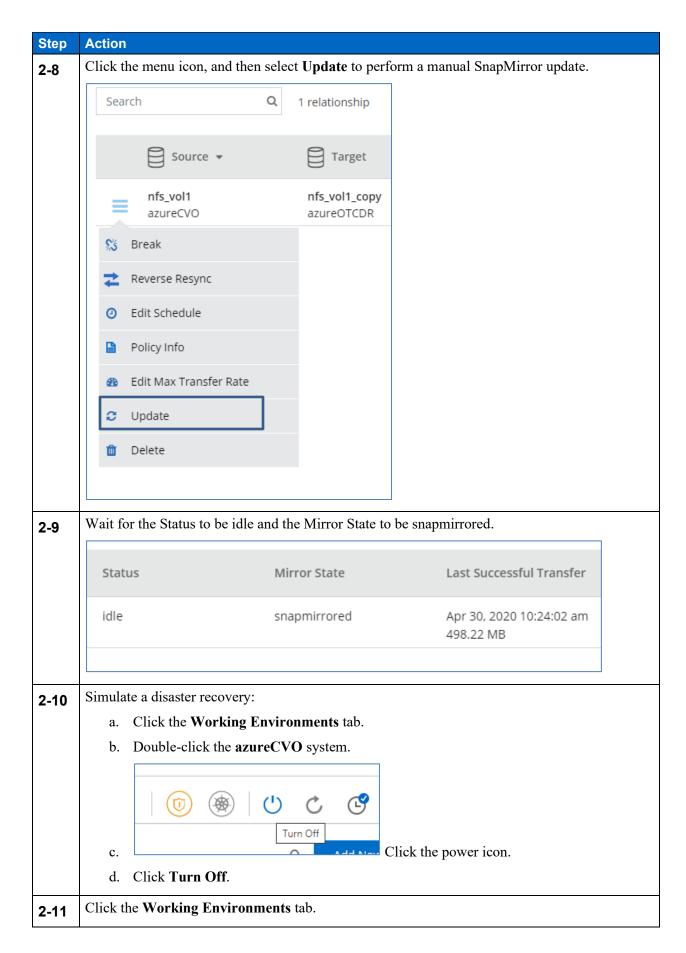


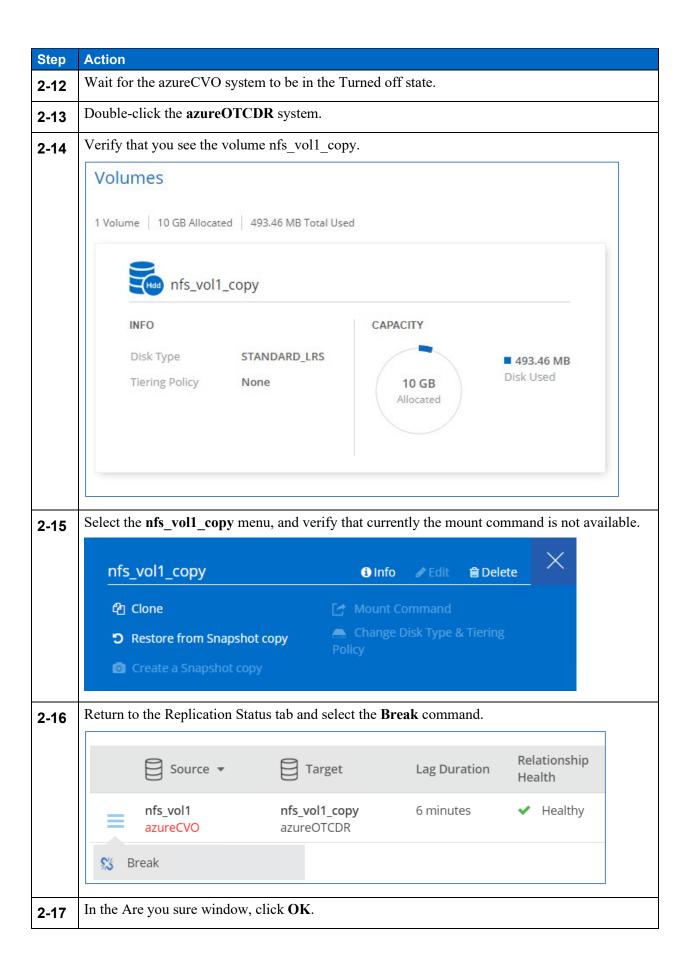


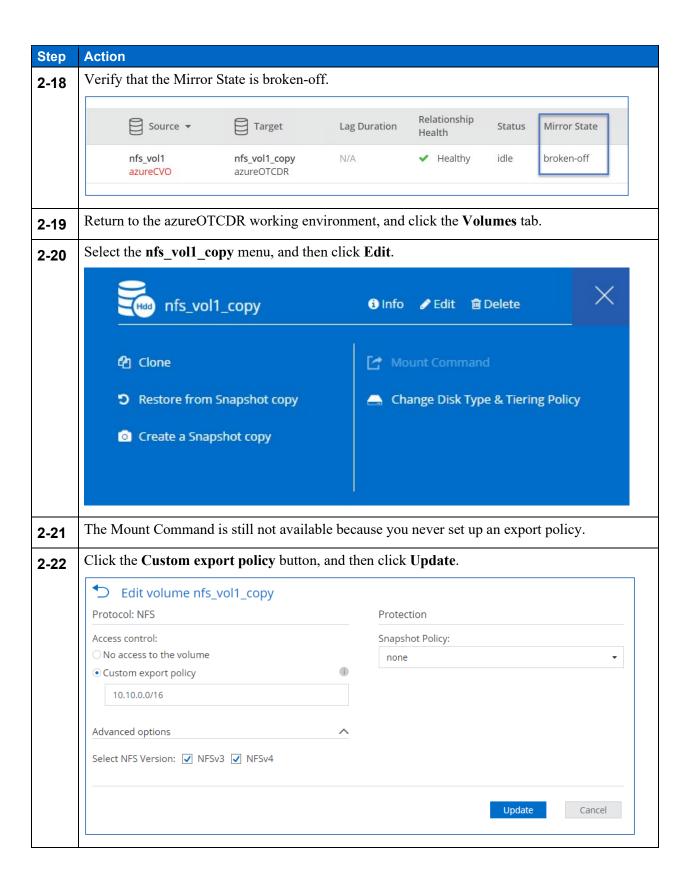


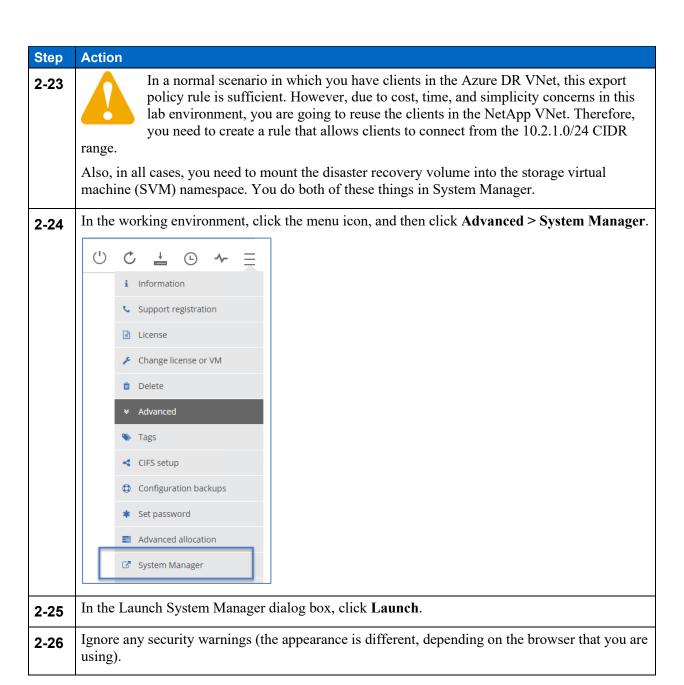
## **Task 2: Simulate Disaster Recovery**

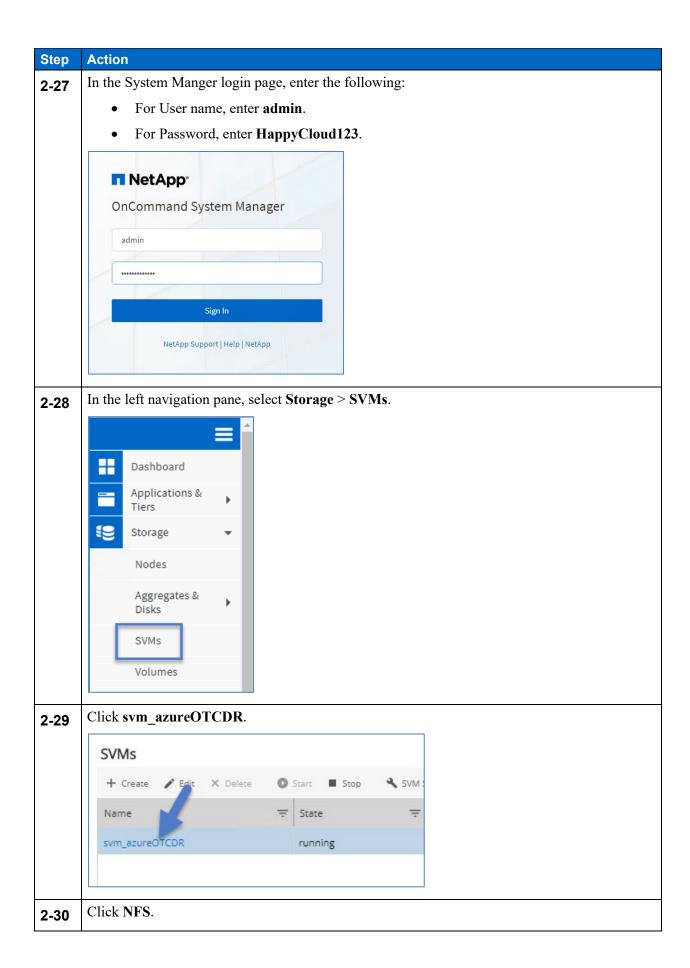
Step	Action
2-1	Return to the Red Hat Enterprise Linux virtual machine (VM) (reminder: username/password is demoadmin/HappyCloud123).
2-2	<pre>Enter the nfs_vol1 directory:   [demoadmin@rhel77priv ~]\$ cd /mnt/nfs_vol1</pre>
2-3	Verify that you see the 500m.test file in the directory:  [demoadmin@rhel77priv nfs_vol1]\$ 11 -h  total 491M  -rw-rw-r 1 demoadmin demoadmin 489M Apr 30 14:19 500m.test  [demoadmin@rhel77priv nfs_vol1]\$
2-4	Create a new file:  [demoadmin@rhel74priv nfs_vol1]\$ touch NewFileBeforeDisaster
2-5	Verify that the file was created:  [demoadmin@rhel77priv nfs_vol1]\$ 11 -h  total 491M  -rw-rw-r 1 demoadmin demoadmin 489M Apr 30 14:19 500m.test  -rw-rw-r 1 demoadmin demoadmin 0 Apr 30 14:21  NewFileBeforeDisaster  [demoadmin@rhel77priv nfs_vol1]\$
2-6	Exit from this directory:  [demoadmin@rhel74priv nfs_vol1]\$ cd
2-7	Return to Cloud Manger, and click the <b>Replication Status</b> tab.

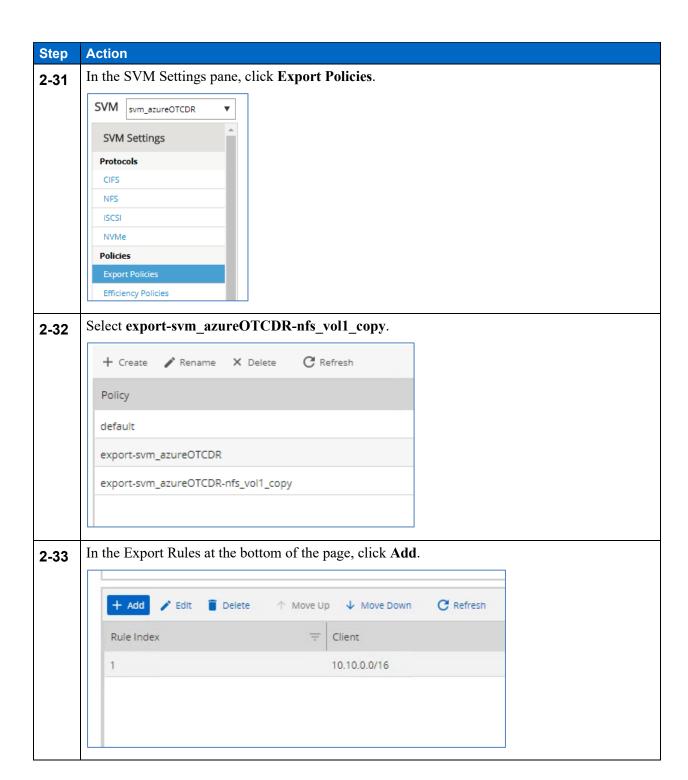


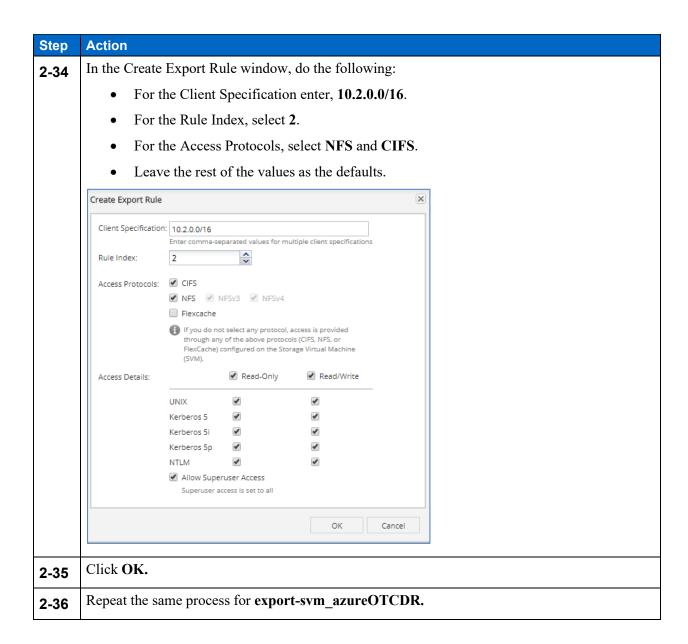


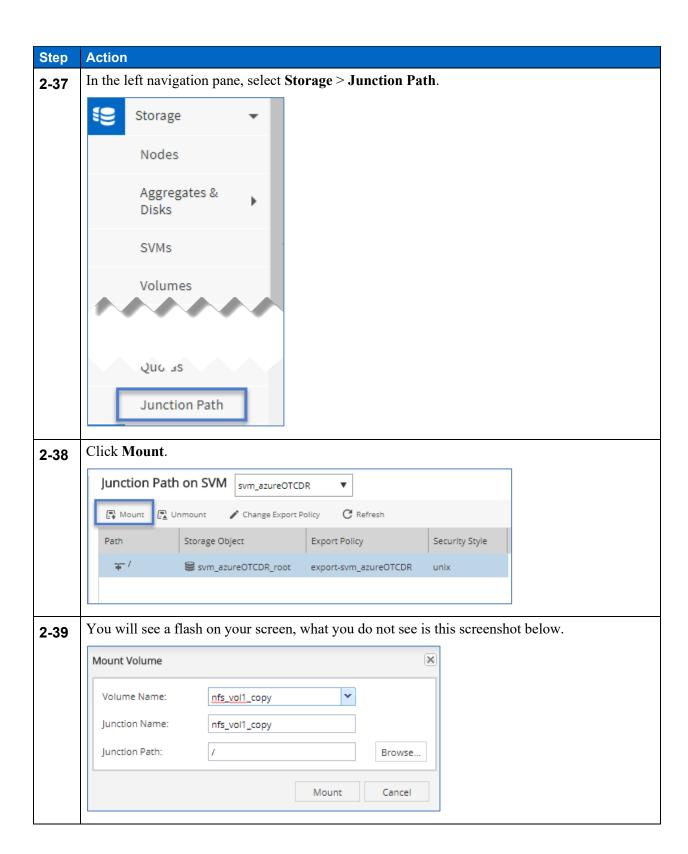


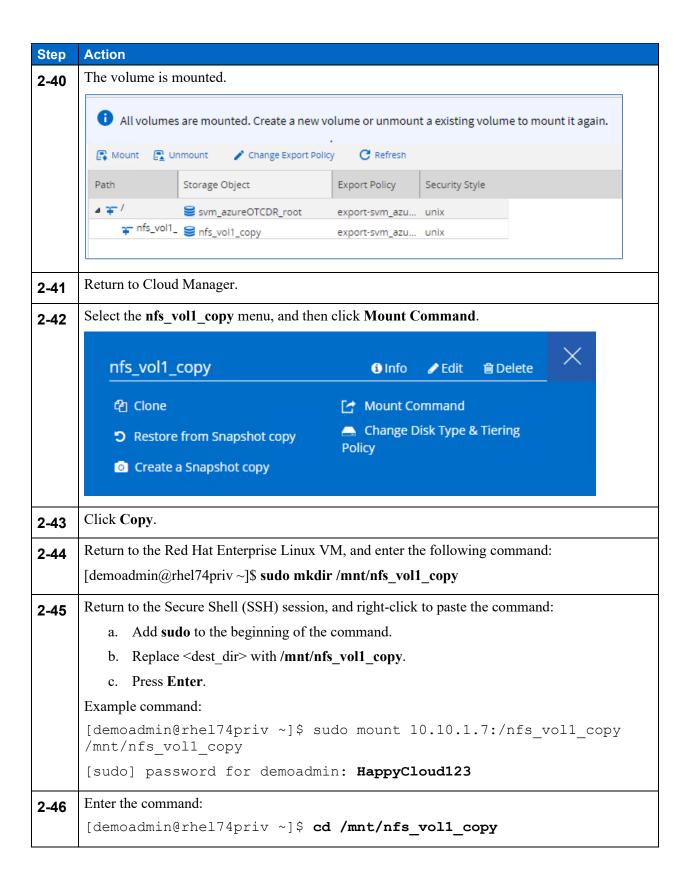






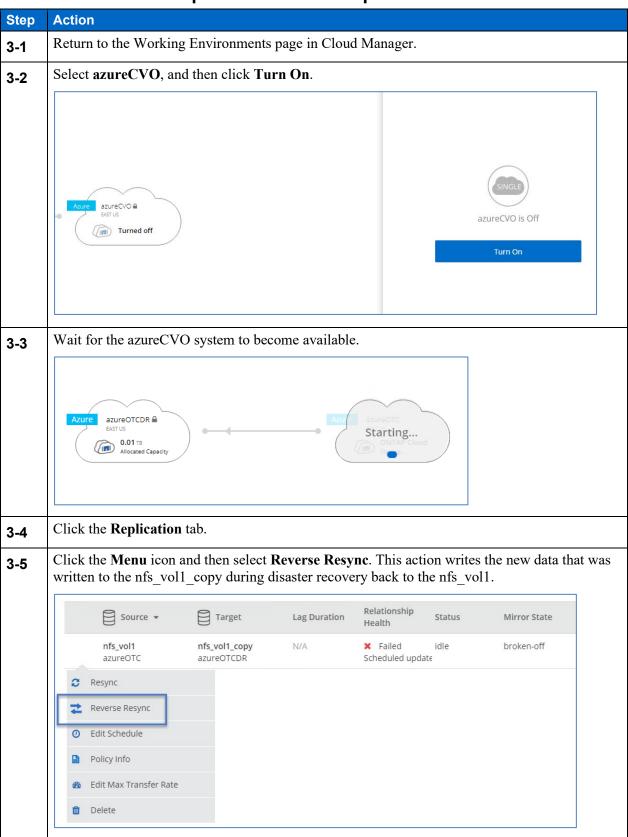


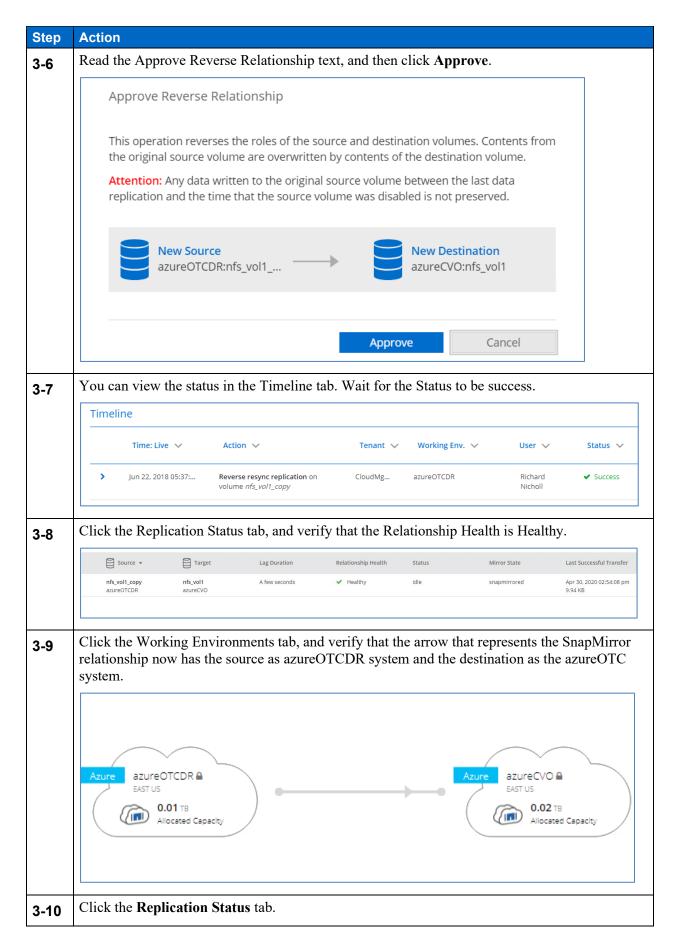


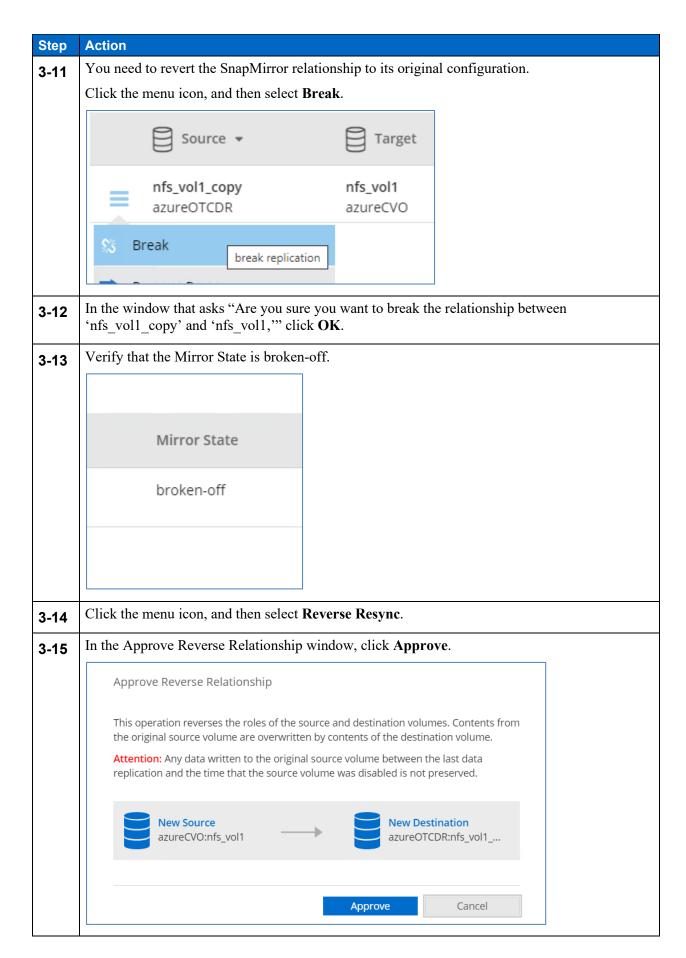


Step	Action
2-47	Verify that the 1G.test and NewFileBeforeDisaster exist in the volume:
	[demoadmin@rhel77priv nfs_vol1_copy]\$ ll -h
	total 491M
	-rw-rw-r 1 demoadmin demoadmin 489M Apr 30 14:19 500m.test
	-rw-rw-r 1 demoadmin demoadmin 0 Apr 30 14:21 NewFileBeforeDisaster
	[demoadmin@rhel77priv nfs_vol1_copy]\$
2-48	Write a new file into the volume:
	[demoadmin@rhel74priv nfs_vol1_copy]\$ touch NewFileWhileinDR

Task 3: Restore a SnapMirror Relationship







Step	Action
3-16	Click the Working Environments tab, and verify that the arrow has reverted to the source being azureCVO and the destination being azureOTCDR.
3-17	You should now be able to mount the original nfs_vol1 volume and verify that it contains all the data, including the <b>NewFileWhileinDR</b> file. Also, you should be able to write data to nfs_vol1.
3-18	Break and delete the SnapMirror relationship, then shut down and delete azureOTCDR.

#### **End of Exercise**