# Module 7: Data Access

### **Exercise 1: Configuring the NFS Protocol in a Storage VM**

In this exercise, you use best practice tools to create a simple NFS server in a storage VM (storage virtual machine, also known as SVM).

#### **Objectives**

This exercise focuses on enabling you to do the following:

- Configure a storage VM to host the NFS protocol
- · Access an NFS export from a Linux client

#### **Case Study**

It might be a long time before the IT staff can fully integrate the authentication domain of Dwurgle Enterprises with Zarrot Industries. In the meantime, the easiest way to enable Dwurgle employees to access the NetApp system is to create a storage VM that uses the Dwurgle domain to authenticate user identities.

You create a storage VM for Dwurgle and enable the NFS access protocol.

You create an NFS exported directory and verify that Dwurgle client hosts can access the directory.

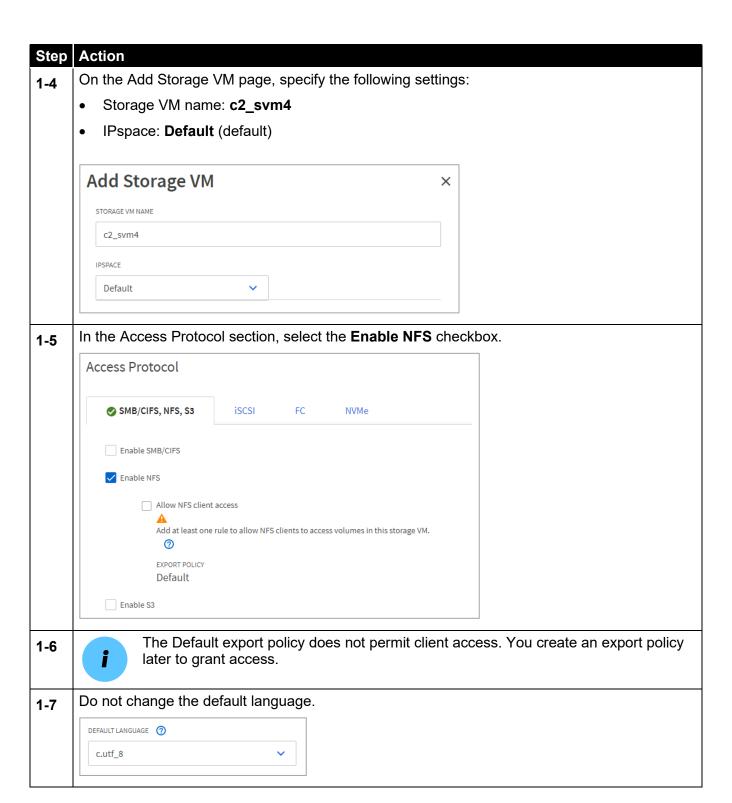
# **Lab Equipment**

Use the following equipment to complete the exercise:

System	Host Name	IP Addresses	User Name	Password
Windows Server	jumphost	192.168.0.5	DEMO\Administrator	Netapp1!
ONTAP cluster-management LIF (cluster2)	cluster2	192.168.0.102	admin (case-sensitive)	Netapp1!
CentOS 8 Server	centos8	192.168.0.61	root (case sensitive)	Netapp1!

# Task 1: Create a Storage VM to Host the NFS Protocol

Step	Action	
1-1	Log in to NetApp ONTAP System Manager for cluster2.	
1-2	From the System Manager Dashboard menu, select <b>Storage &gt; Storage VMs</b> .	
1-3	Click Add.	



# Step Action 1-8 In the N Sub IP a

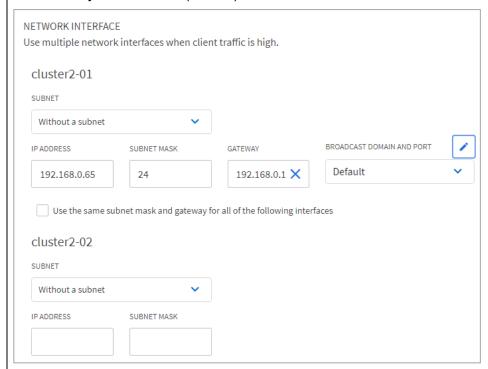
In the Network Interface section, specify the following settings:

Subnet: Without a subnet (default)

IP address: 192.168.0.65

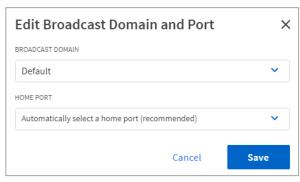
Subnet mask: 24

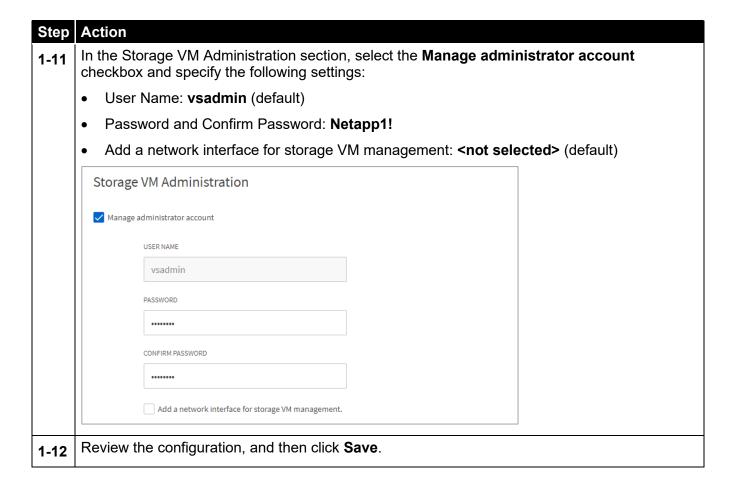
Gateway: 192.168.0.1 (default)



1-9 Click the **Edit** (pencil) icon next to Broadcast Domain and Port.

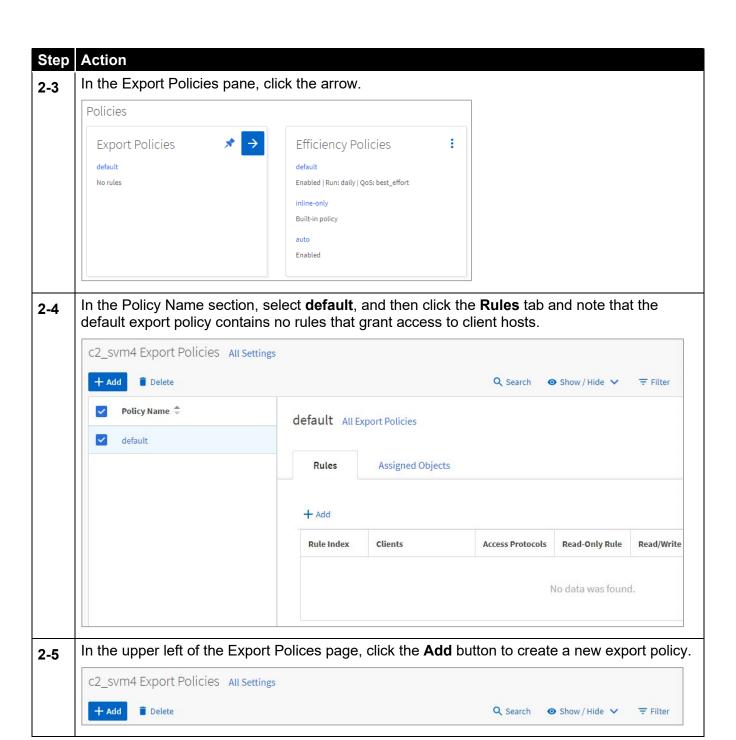
1-10 Click **Cancel** to accept the default settings and dismiss the Edit Broadcast Domain and Port window.

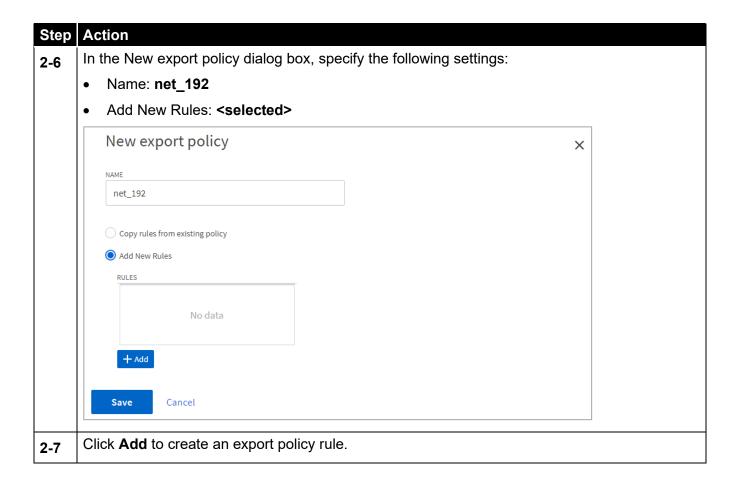


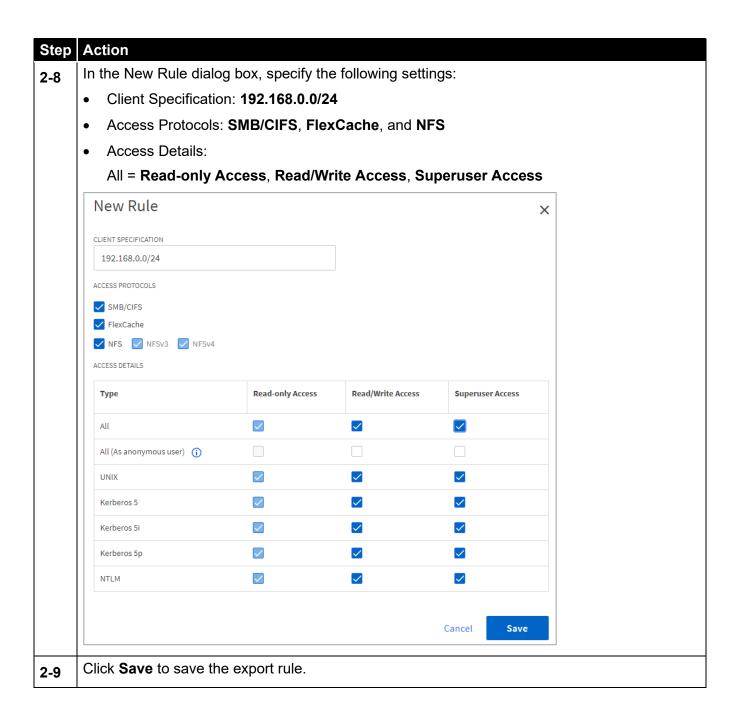


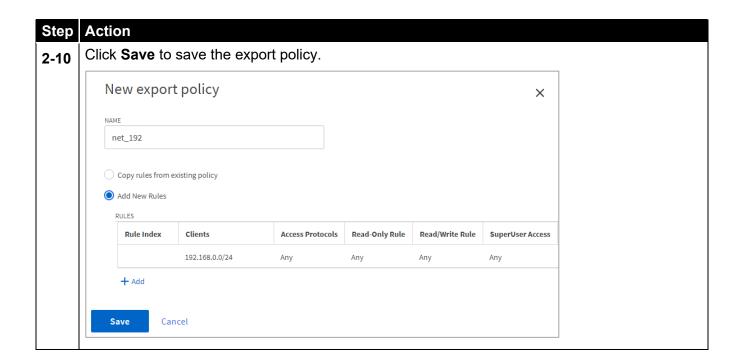
# Task 2: Create a Storage VM Export Policy



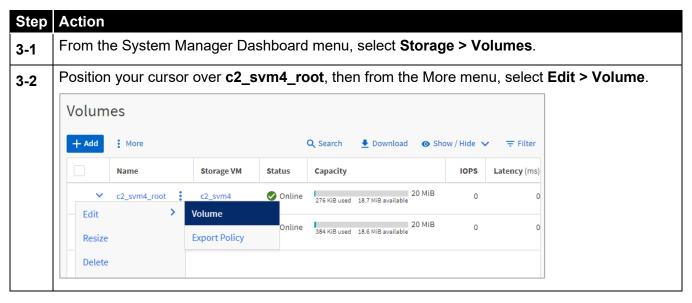


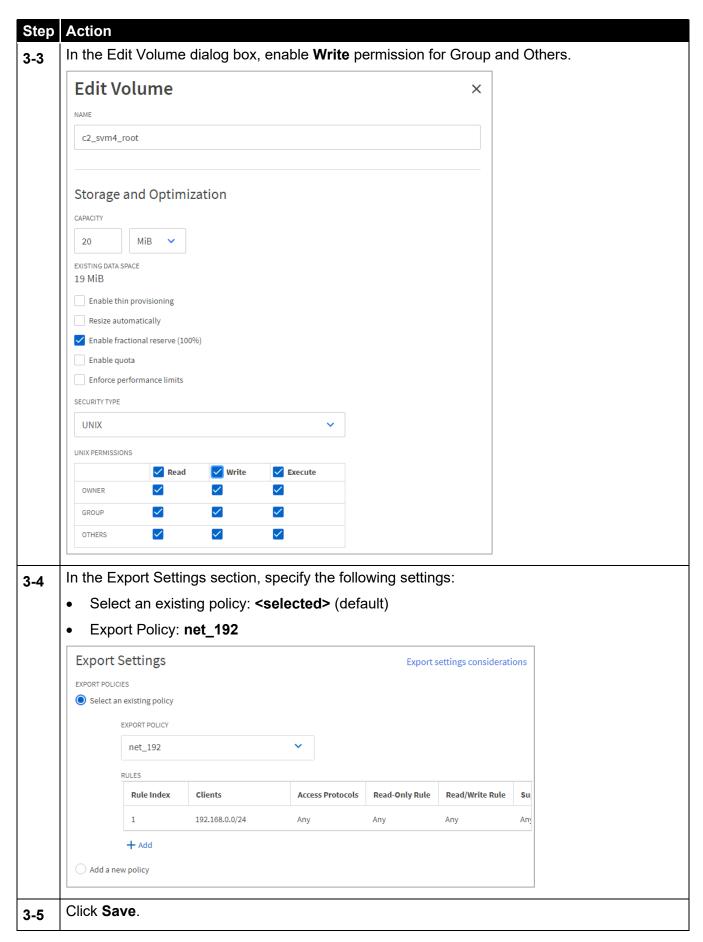




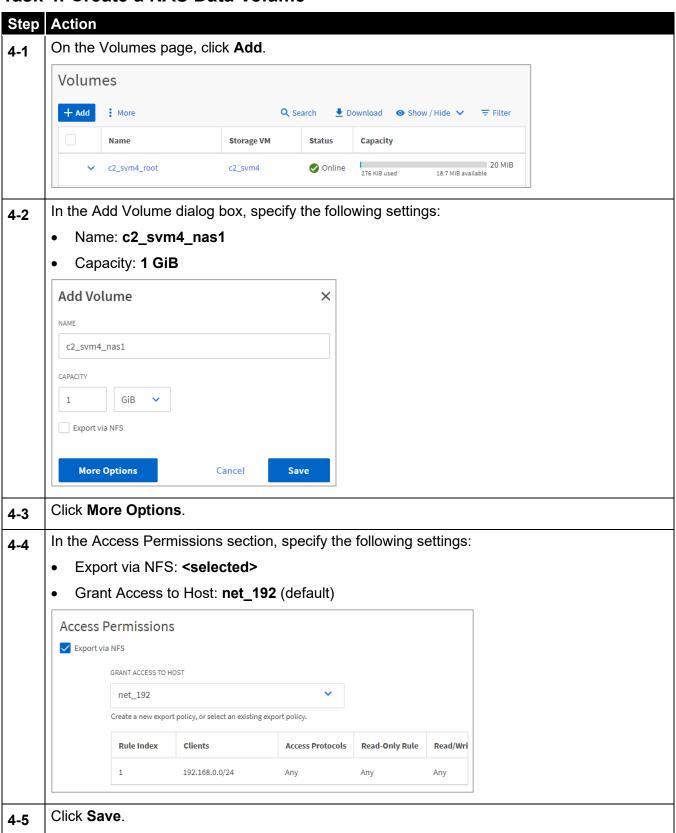


#### Task 3: Enable User Access to a Volume

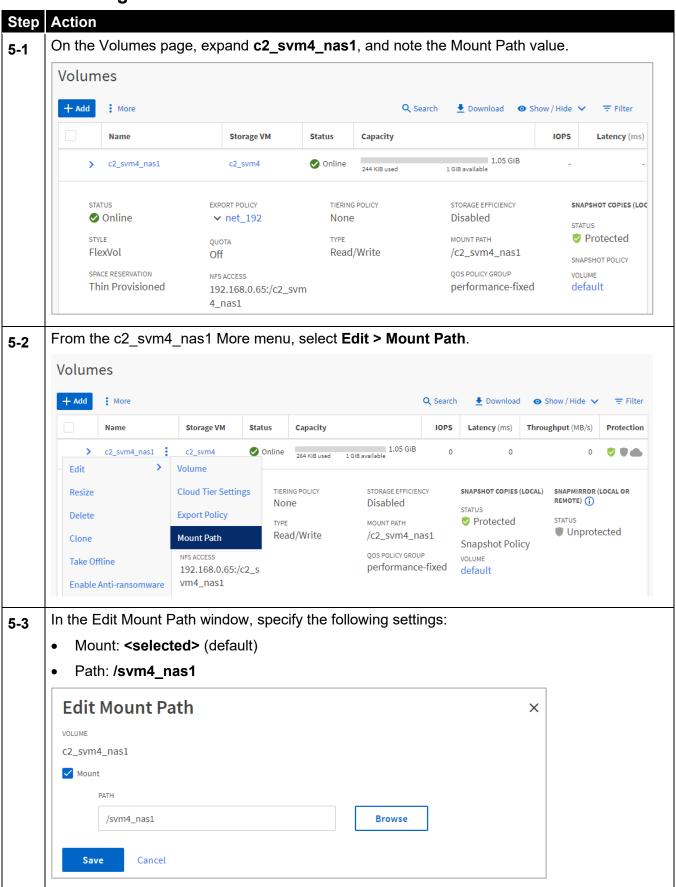


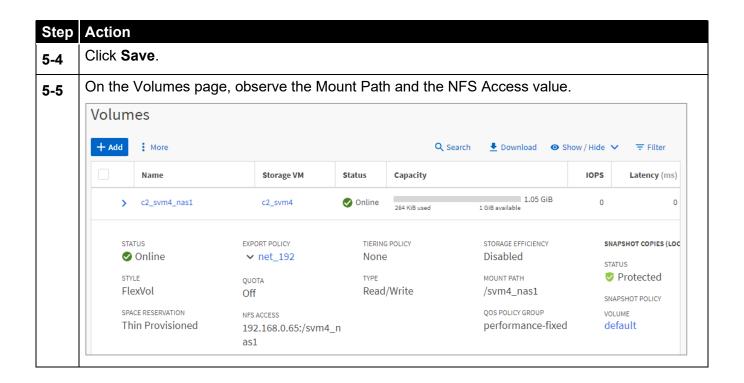


Task 4: Create a NAS Data Volume

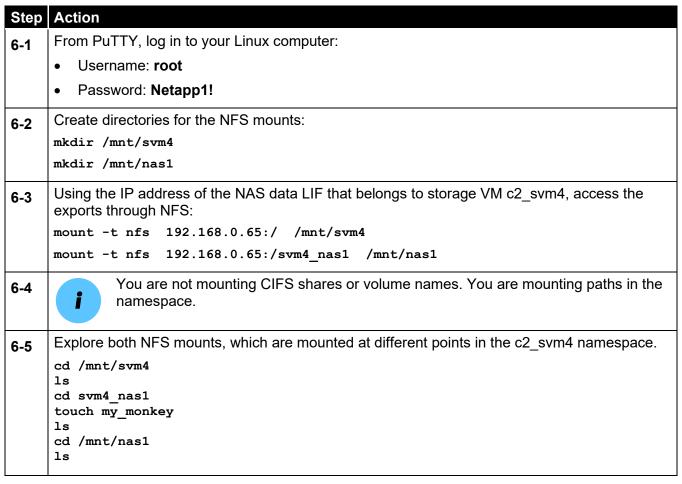


Task 5: Change a Volume Mount Path





Task 6: Access an NFS Export from a Linux Client



#### End of exercise