### **Exercise 2: Configuring the SMB Protocol in a Storage VM**

In this exercise, you use best practice tools to create a simple SMB server in a storage VM.

## **Objectives**

This exercise focuses on enabling you to do the following:

- Configure a storage VM to host the SMB protocol
- Verify and create SMB shares
- Access SMB shares from a Microsoft Windows client
- Enable NAS file system analytics

# **Case Study**

The IT staff might need quite some time to fully integrate the authentication domain of Dwurgle Enterprises with Zarrot Industries. In the meantime, the easiest way to enable the employees of Dwurgle to access the NetApp system is to use the Dwurgle Windows Active Directory domain to authenticate user identities.

You enable the SMB access protocol on the NAS storage VM.

You create an SMB share and verify that users from the Dwurgle domain can access the share.

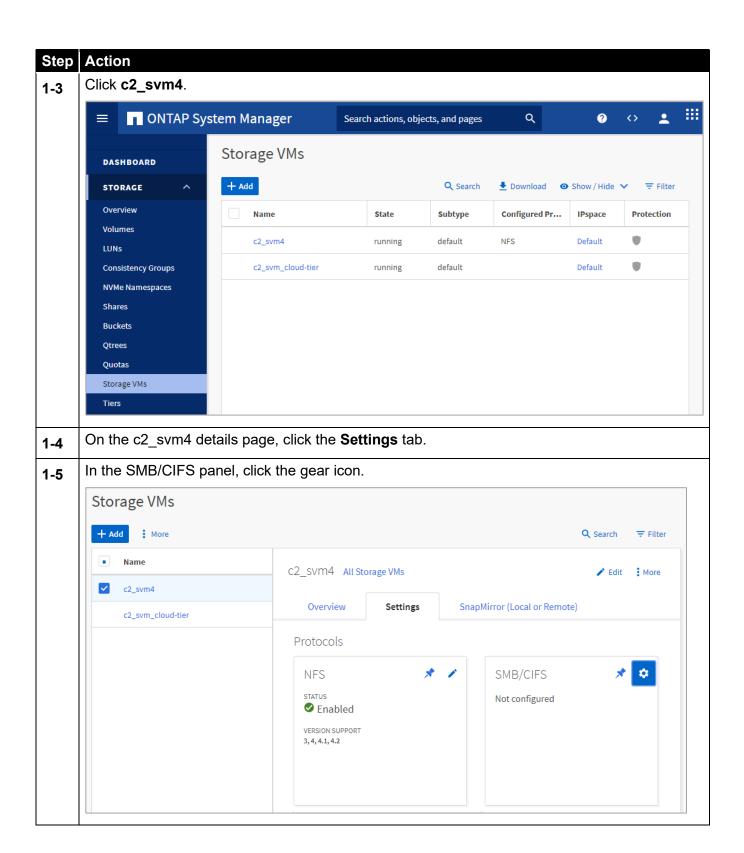
#### **Lab Equipment**

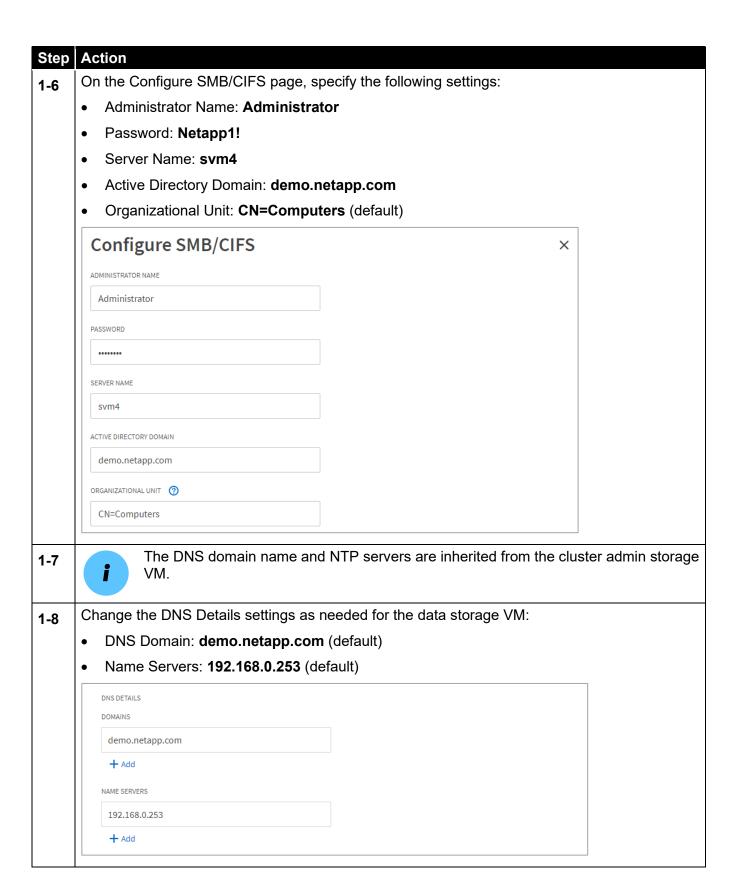
Use the following equipment to complete the exercise:

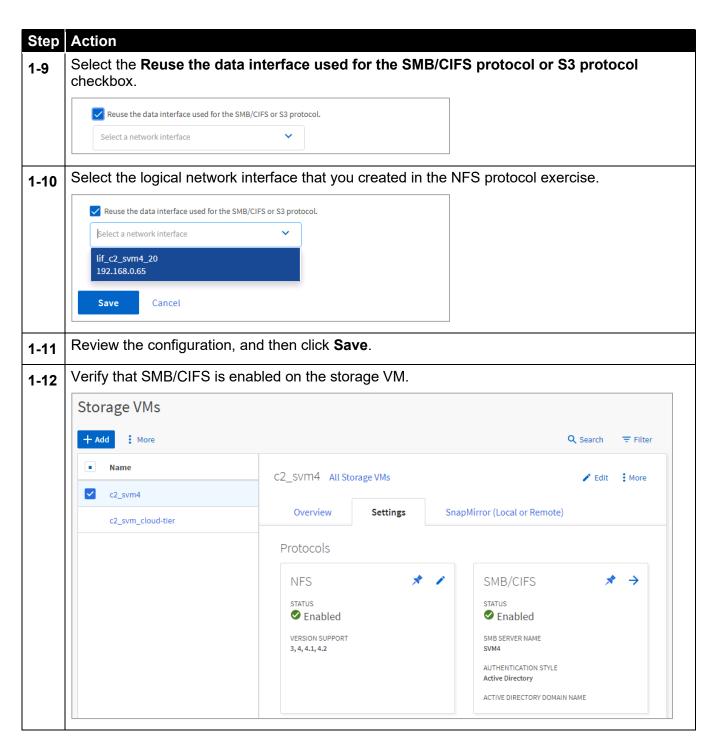
System	<b>Host Name</b>	IP Addresses	User Name	Password
Windows Server	jumphost	192.168.0.5	DEMO\Administrator	Netapp1!
ONTAP cluster-management LIF (cluster1)	cluster1	192.168.0.101	admin (case-sensitive)	Netapp1!
ONTAP cluster-management LIF (cluster2)	cluster2	192.168.0.102	admin (case-sensitive)	Netapp1!
Windows Server	dc1	192.168.0.253	DEMO\Administrator	Netapp1!

## Task 1: Configure a Storage VM to Host the SMB Protocol

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

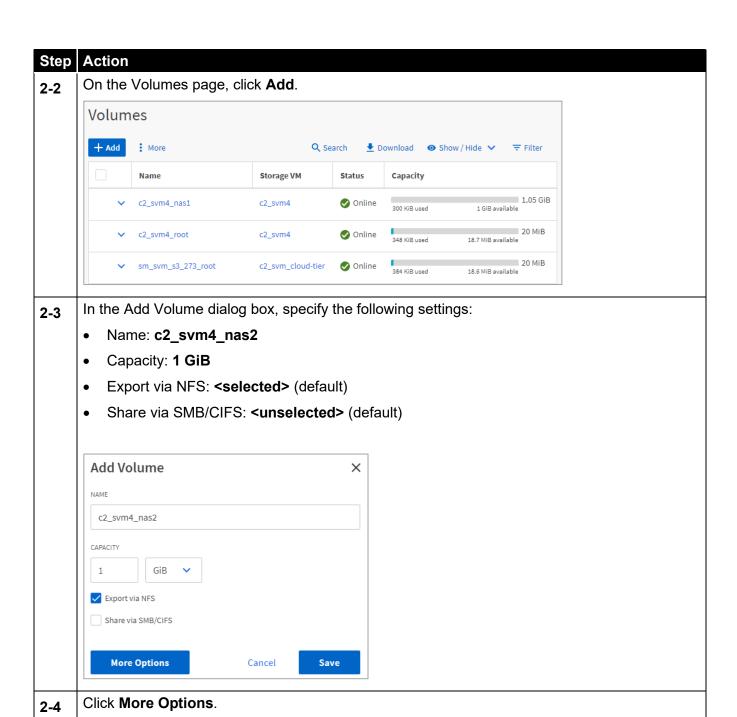


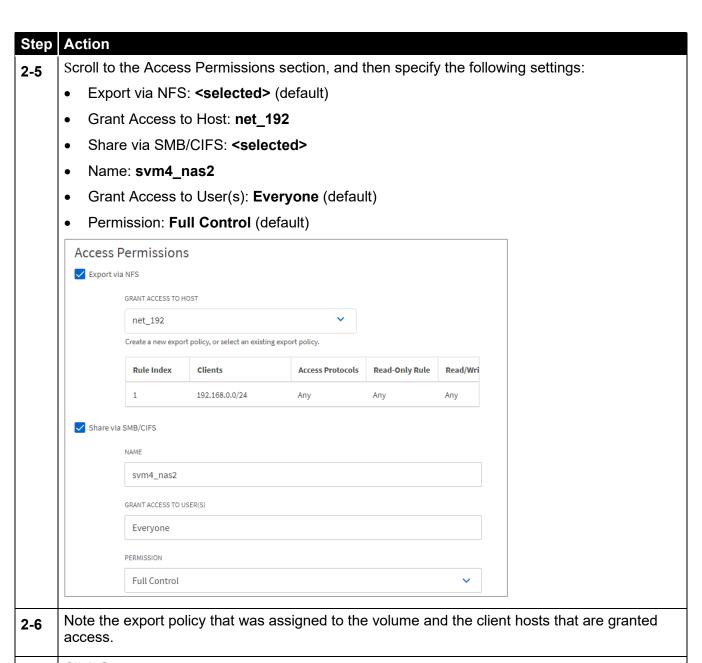




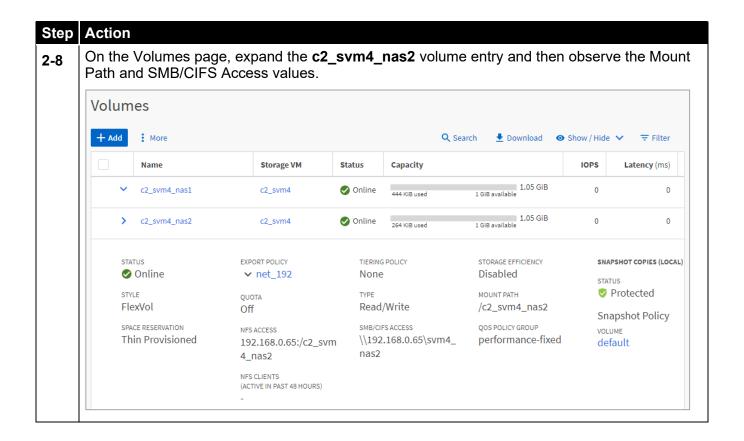
Task 1: Task 2: Create a Data Volume

Step	Action
2-1	From the System Manager menu, select <b>Storage &gt; Volumes</b> .

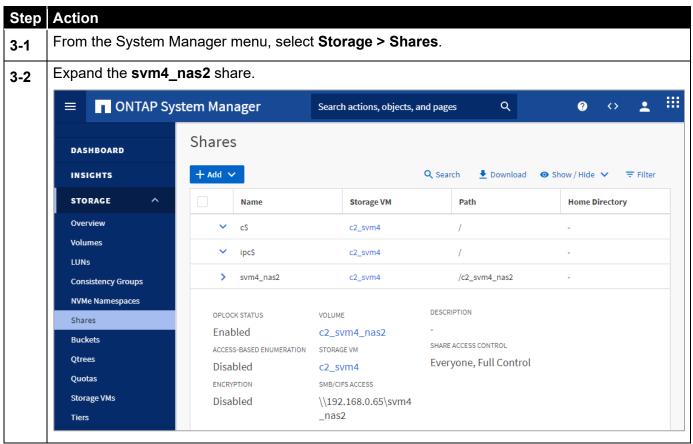




2-7 Click Save.



# Task 3: Verify and Create SMB Shares

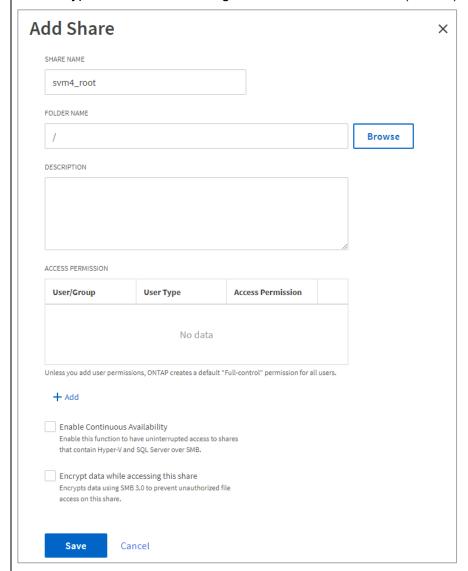




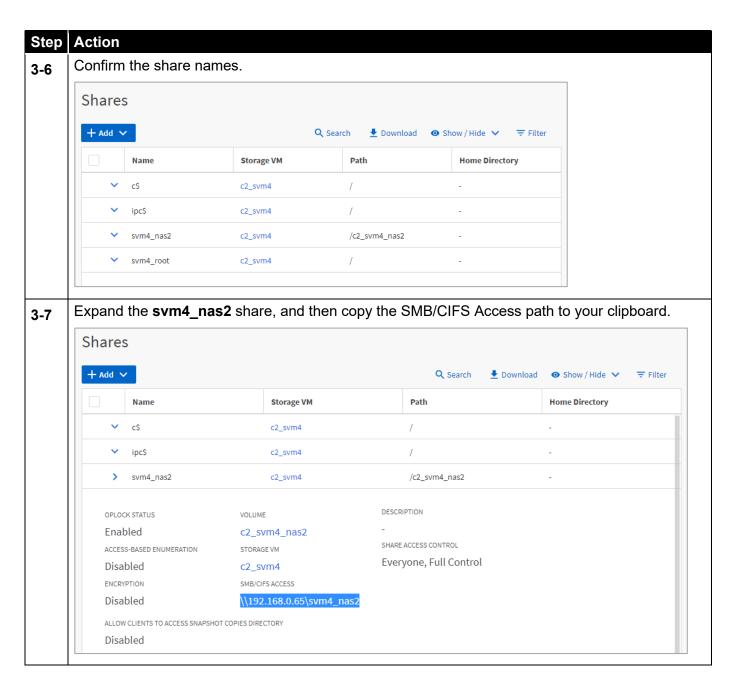
3-3 On the Shares page, click **Add**, and then select **Share**.



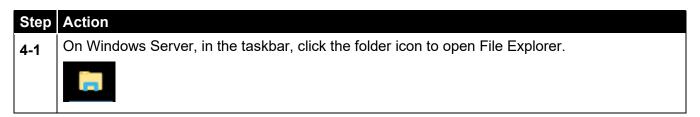
- 3-4 On the Add Share page, specify the following settings:
  - Share name: svm4\_root
  - Folder name: /
  - Enable Continuous Availability: <unselected> (default)
  - Encrypt data while accessing this share: <unselected> (default)



3-5 Click Save.

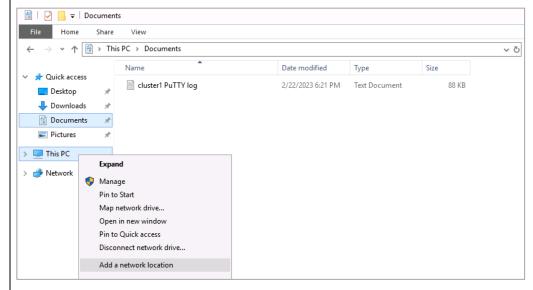


Task 2: Task 4: Access SMB Shares from a Windows Client

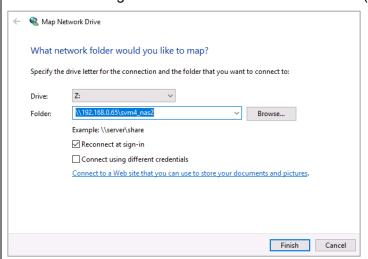


#### Step | Action

4-2 Right-click **This PC**, and then select **Map network drive**.

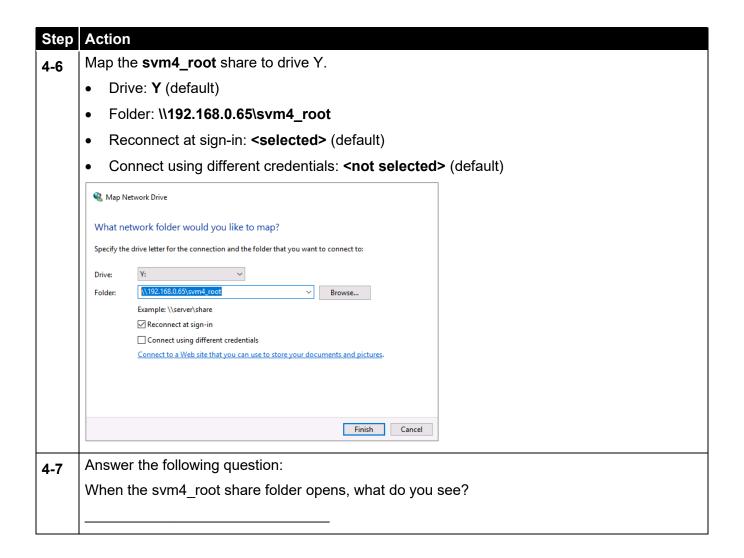


- 4-3 In the Map Network Drive dialog box, specify the following settings:
  - Drive: Z (default)
  - Folder: \\192.168.0.65\svm4\_nas2
  - Reconnect at sign-in: <selected> (default)
  - Connect using different credentials: <unselected> (default)



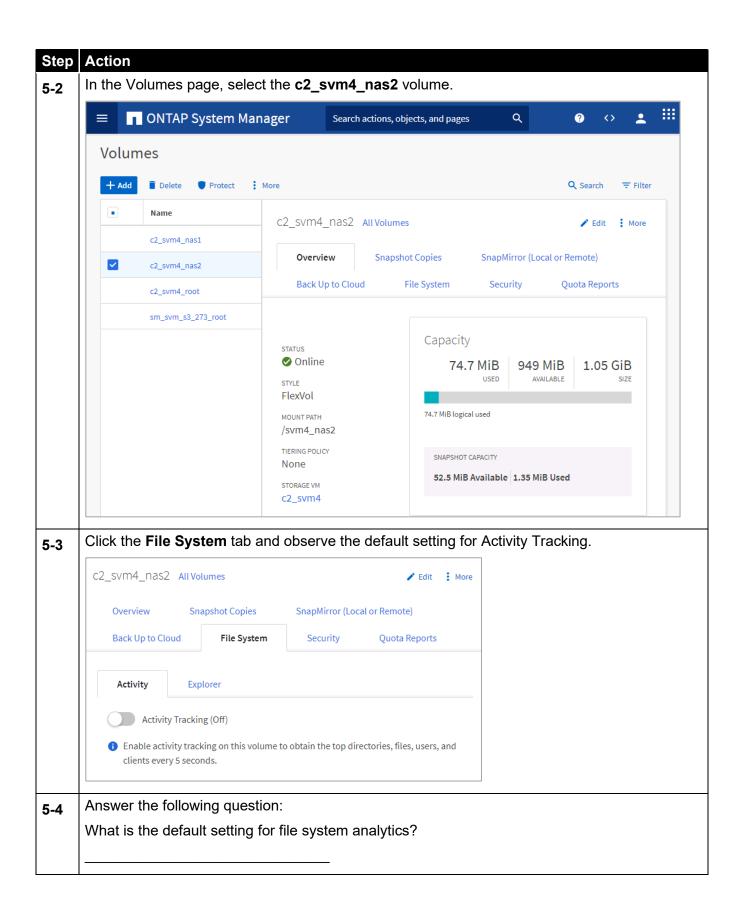
- 4-4 Click Finish.
- When the share folder opens, create files and folders on the share, appending your initials to the file names so that you know that the files are yours.

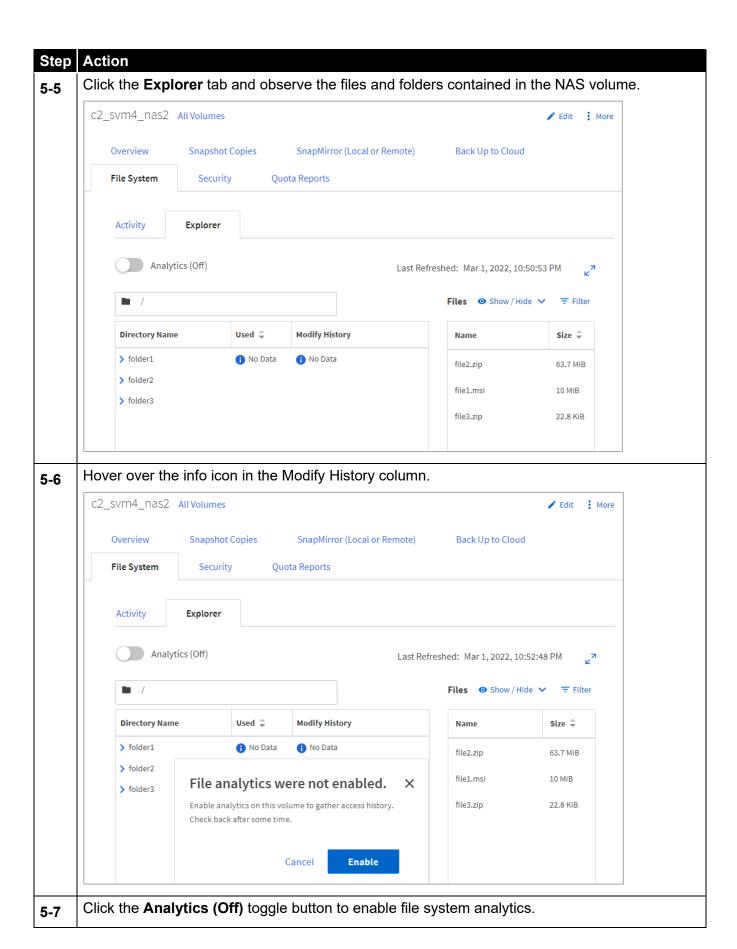
Note: You use the files and folders later in the course.

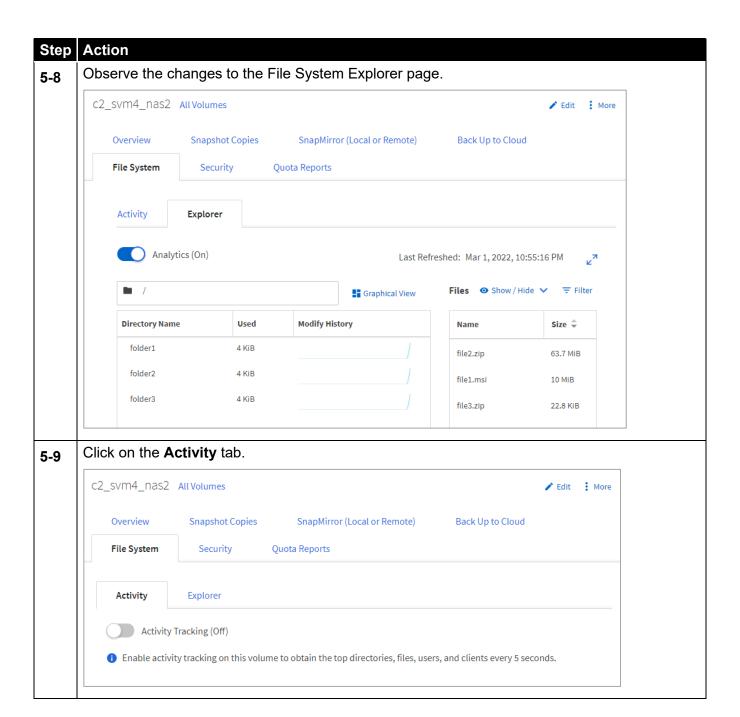


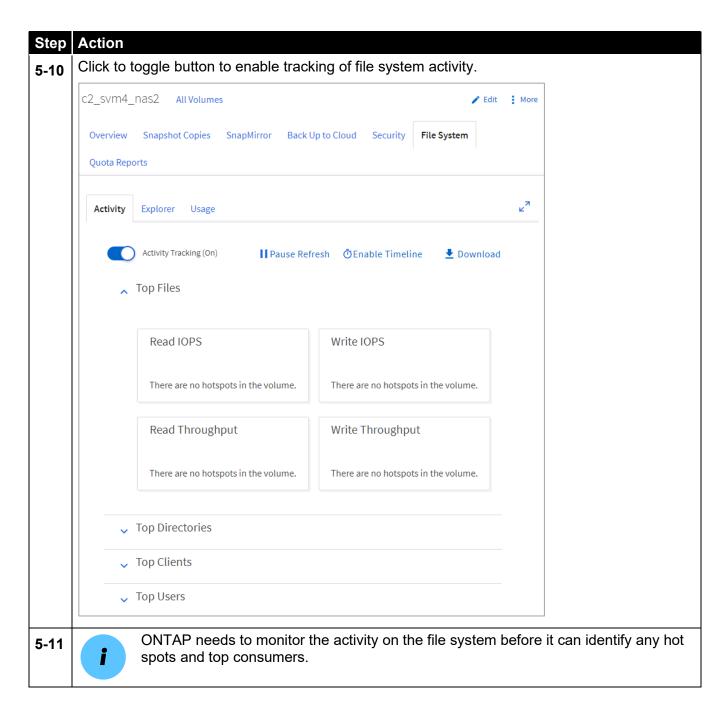
**Task 5: Enable NAS File System Analytics** 

Step	Action
5-1	From the System Manager menu, select <b>Storage &gt; Volumes</b> .









**End of exercise**