Module 3: Designing business continuity management strategies

Lab: Planning and performing backup and restore

Exercise 1: Creating a backup and restore plan

▶ **Task 1: Read the supporting information**

1. Sign in to the **20339-2A-NYC-CL1-B** machine with the user name **Admin** and the password **Pa$$w0rd**.

2. In the **E:\Labfiles\Mod03\Starter** folder, read the lab scenario information in the **Contoso Business Continuity Requirements.docx** file.

▶ **Task 2: Complete the Backup and Restore Planning worksheet**

1. In the **E:\Labfiles\Mod03\Starter** folder, open and complete the worksheet in the **SharePoint 2016 Backup and Restore Planning Worksheet.xlsx** file, based on the information that you reviewed in the previous task.

2. On the host computer, start **Microsoft Hyper-V Manager**.

3. In the **Virtual Machines** list, right-click **20339-2A-NYC-CL1-B**, and then click **Revert**.

4. In the **Revert Virtual Machine** dialog box, click **Revert**.

Results: After completing this exercise, you should have created a complete SharePoint 2016 backup plan.

Exercise 2: Testing the backup and restore process

▶ **Task 1: Prepare the backup storage for the backup of a SharePoint server**

1. Sign in to the **20339-2A-NYC-DB1-B** machine with the user name **administrator@contoso.com** and the password **Pa$$w0rd**.

2. In File Explorer, click **Local Drive (C:)**. On the ribbon on the **Home** tab, click **New folder**, type **Backups**, and then press Enter.

3. Right-click the **Backups** folder, point to **Share with**, and then click **Specific people**.

4. In the **File Sharing** dialog box, type **MSSQLSERVER**, and then click **Add**.

5. In the **MSSQLSERVER** row, in the **Permission Level** column, click the drop-down arrow, and then click **Read/Write**.

6. In the text box, type **CONTOSO\SPFarm**, and then click **Add**.

7. In the **CONTOSO\SPFarm** row, in the **Permission Level** column, click the drop-down arrow, click **Read/Write**, and then click **Share**.

8. In the **File Sharing** dialog box, when the message "Your folder is shared" appears, click **Done**.

9. Close all open windows.

▶ Task 2: Perform a backup of SharePoint components

1. Sign in to the **20339-2A-NYC-SP1-B** machine with the user name **administrator@contoso.com** and the password **Pa$$w0rd**.

2. On the Start screen, type **SharePoint 2016 Central Administration**, and then press Enter.

3. On the **Central Administration** site, click **Backup and Restore**.

4. On the **Backup and Restore** page, click **Configure backup settings**.

5. On the **Default Backup and Restore Settings** page, ensure that **Number of backup threads** and **Number of restore threads** is set to **3**, and in the **Backup location** text box, type **\\NYC-DB1 \Backups**, and then click **OK**.

6. On the **Backup and Restore** page, click **Perform a backup**.

7. On the **Perform a Backup – Step 1 of 2** page, locate the **Shared Services** top-level component. In that row, select the check box, and then click **Next**.

8. On the **Perform a Backup – Step 2 of 2** page, click **Start Backup**.

9. On the **Backup and Restore Job Status** page, click **Refresh**. Periodically repeat this step until the backup phase is reported as **Completed**.

▶ Task 3: Remove SharePoint components to simulate a failure

1. On the **Central Administration** site, click **Application Management**.

2. On the **Application Management** page, under **Service Applications**, click **Manage service applications**.

3. On the **Service Applications** page, select **Contoso UPSA** (click in the blank area next to the link for **Contoso UPSA** that is for the **User Profile Service Application**, not the Proxy) , and then on the ribbon, click **Delete**.

4. In the **Delete Service Application Connection** dialog box, select **Delete data associated with the Service Application connections**, and then click **OK**.

5. In the **Delete Service Application Connection** dialog box, when the message **The Service Application connection has been deleted** appears, click **OK**.

6. In Internet Explorer, refresh the **Service Applications** page, and then verify that the **Contoso UPSA** service application is no longer included in the list of service applications.

▶ Task 4: Restore the failed SharePoint components from a backup

1. On the **Central Administration** site, click **Backup and Restore**.

2. On the **Backup and Restore** page, click **Restore from a backup**.

3. On the **Backup and Restore History** page, locate the backup with the **Top Component** of **Farm\Shared Services**. In that row, click **Select**, and then click **Next**.

4. On the **Restore from Backup – Step 2 of 3** page, expand **Shared Services**, expand **Shared Services Applications**, and locate the **Contoso UPSA** service application. In that row, select the check box, and then click **Next**.

5. On the **Restore from Backup – Step 3 of 3** page, under **Restore Options**, click **Same configuration**.

6. In the **Message from webpage** dialog box, click **OK**.

7. Under **Login Names and Passwords**, in the **Password** text box, type **Pa$$w0rd**, and then click **Start Restore**.

8. On the **Backup and Restore Job Status** page, click **Refresh**. Periodically repeat this step until the restore phase is reported as **Completed**.

9. Click **Backup and Restore**, and then click **Restore from a backup**.

10. On the **Backup and Restore History** page, locate the backup with the **Top Component** of **Farm\Shared Services**. In that row, click **Select**, and then click **Next**.

11. On the **Restore from Backup – Step 2 of 3** page, expand **Shared Services Proxies**, and locate the **Contoso UPSA** application proxy. In that row, select the check box, and then click **Next**.

12. On the **Restore from Backup – Step 3 of 3** page, under **Restore Options**, select **Same configuration**.

13. In the **Message from webpage** dialog box, click **OK**.

14. Click **Start Restore**.

15. On the **Backup and Restore Job Status** page, click **Refresh**. Periodically repeat this step until the restore phase is reported as **Completed**.

16. Click **Application Management**.

17. On the **Application Management** page, under **Service Applications**, click **Manage service applications**.

18. On the **Service Applications** page, verify that the **Contoso UPSA** service application and application proxy have been restored.

Results: After completing this exercise, you should have tested the backup and restore process for a SharePoint 2016 service application.

▶ Task 5: Prepare for the next module

When you are finished with the lab, revert all virtual machines to their initial state:

1. On the host computer, click **Start** and then click **Administrative Tools**. In the **Administrative Tools** window, double-click **Hyper-V Manager**.

2. In the **Virtual Machines** list, right-click **20339-2A-NYC-SP1-B**, and then click **Revert**.

3. In the **Revert Virtual Machine** dialog box, click **Revert**.

4. Repeat step 2 and 3 for **20339-2A-NYC-DB1-B** and **20339-2A-DC1-B**.