



ITSA2005

Planning and Implementing Server

Practice-based/Lab-based Exercises

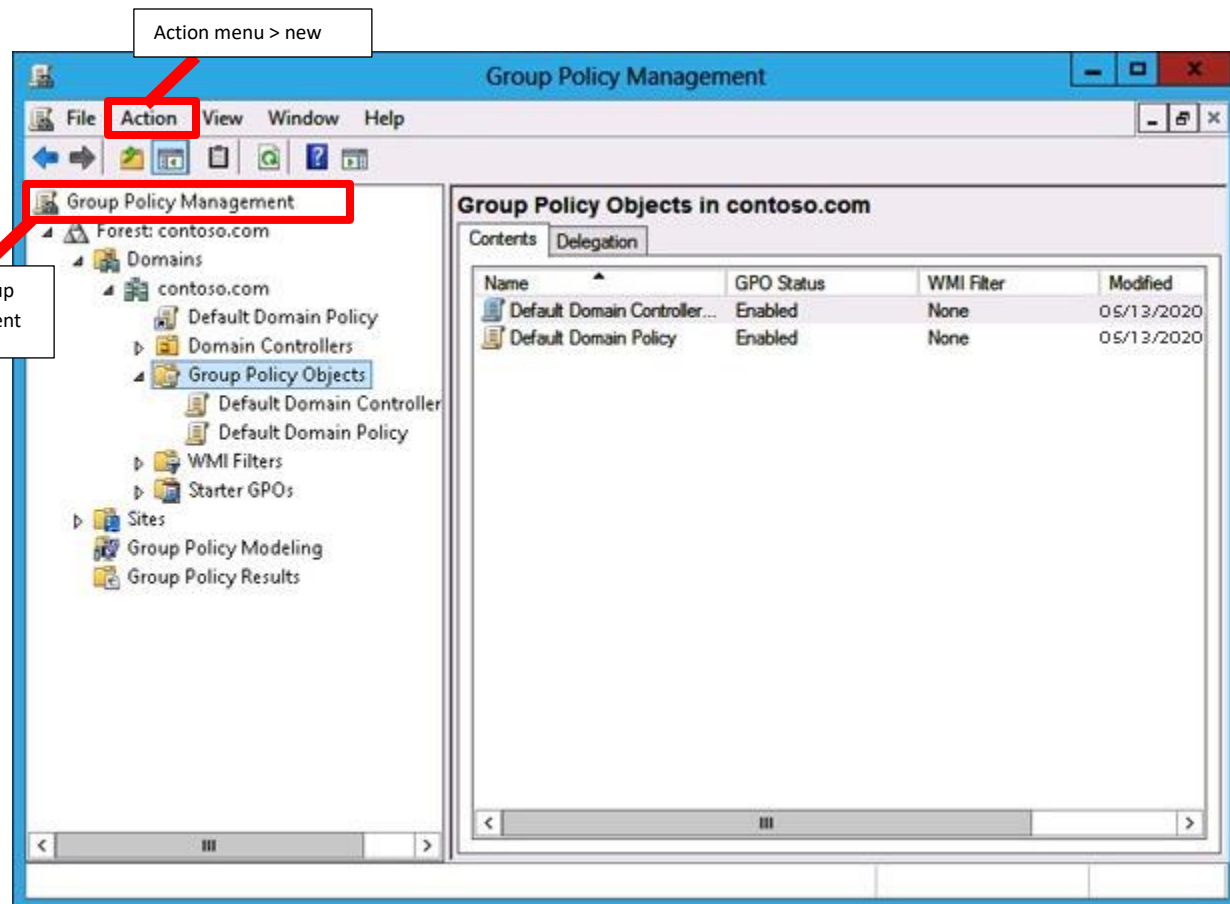
Student Name: Nguyen Tai Vu Le

Student ID: 44176

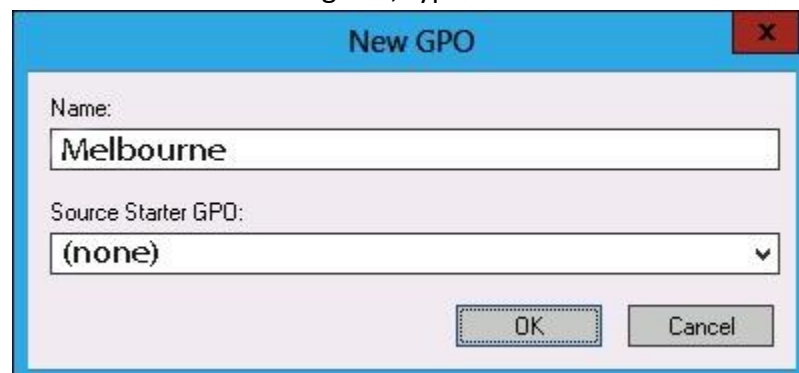
Lab: 3

Exercise 3.1: Prepare GPOs, Security Groups, and OUs (10 marks)

1. Signing into the DC with the Administrator account.
2. In Server Manager, we clicked on the Tools menu, and then on Group Policy Management.
3. Expanded the Forest: contoso.com\Domains\contoso.com node and then clicked Group Policy Objects.

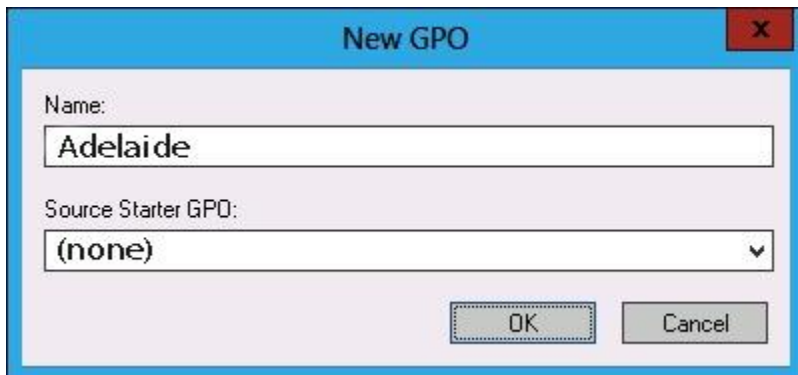


4. On the Action menu, click New.
5. In the New GPO dialog box, type Melbourne and click OK.



6. Repeat steps 4 and 5 to create new GPOs named Sydney and Adelaide.

New GPO dialogue box for Adelaide.

A screenshot of the 'New GPO' dialog box. The title bar is blue with the text 'New GPO' and a red close button. The dialog has a light purple background. It contains two input fields: 'Name:' with the text 'Adelaide' and 'Source Starter GPO:' with a dropdown menu showing '(none)'. At the bottom right are 'OK' and 'Cancel' buttons.

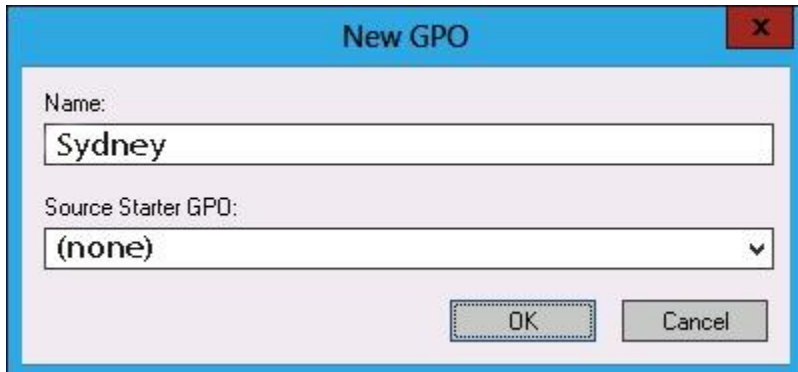
New GPO

Name:
Adelaide

Source Starter GPO:
(none)

OK Cancel

New GPO dialogue box for Sydney.

A screenshot of the 'New GPO' dialog box. The title bar is blue with the text 'New GPO' and a red close button. The dialog has a light purple background. It contains two input fields: 'Name:' with the text 'Sydney' and 'Source Starter GPO:' with a dropdown menu showing '(none)'. At the bottom right are 'OK' and 'Cancel' buttons.

New GPO

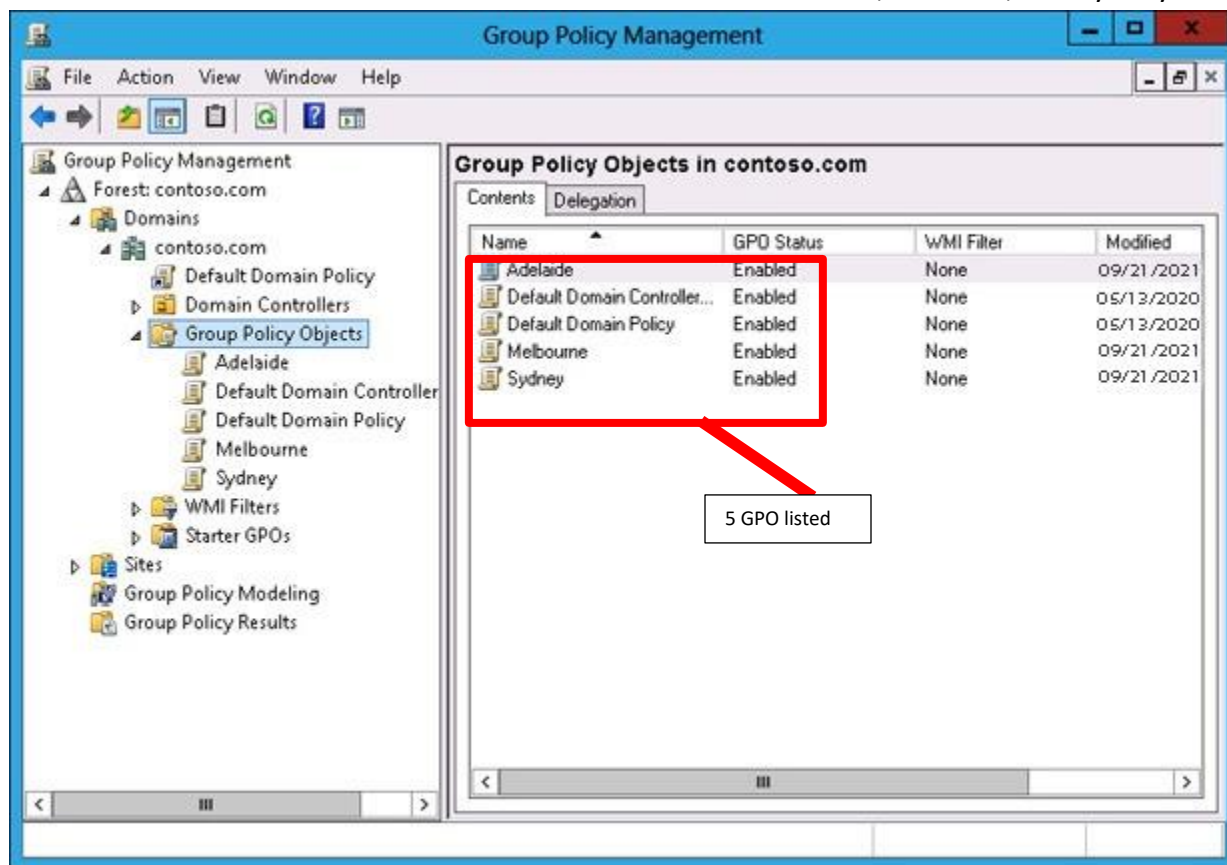
Name:
Sydney

Source Starter GPO:
(none)

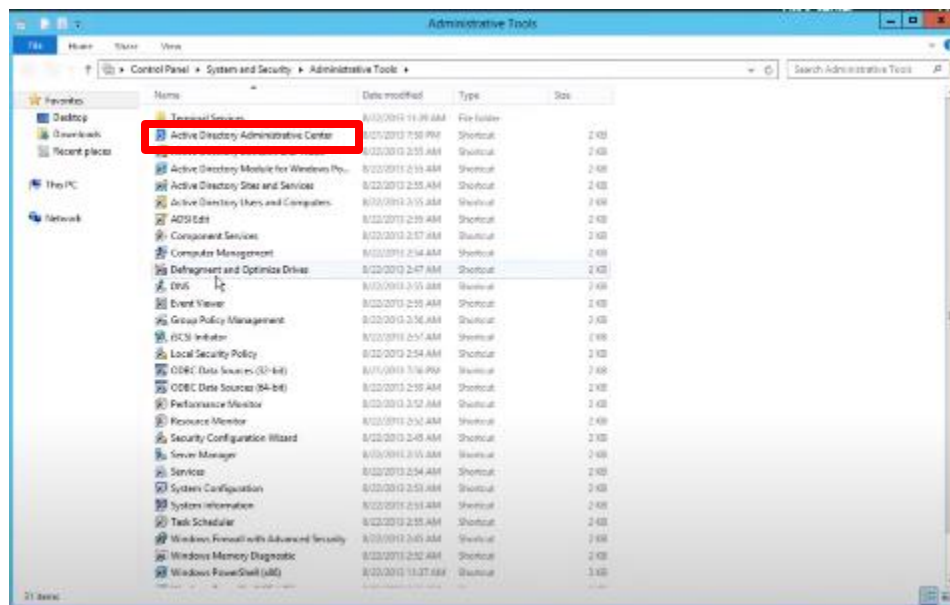
OK Cancel

7. Verify that there are five GPOs listed

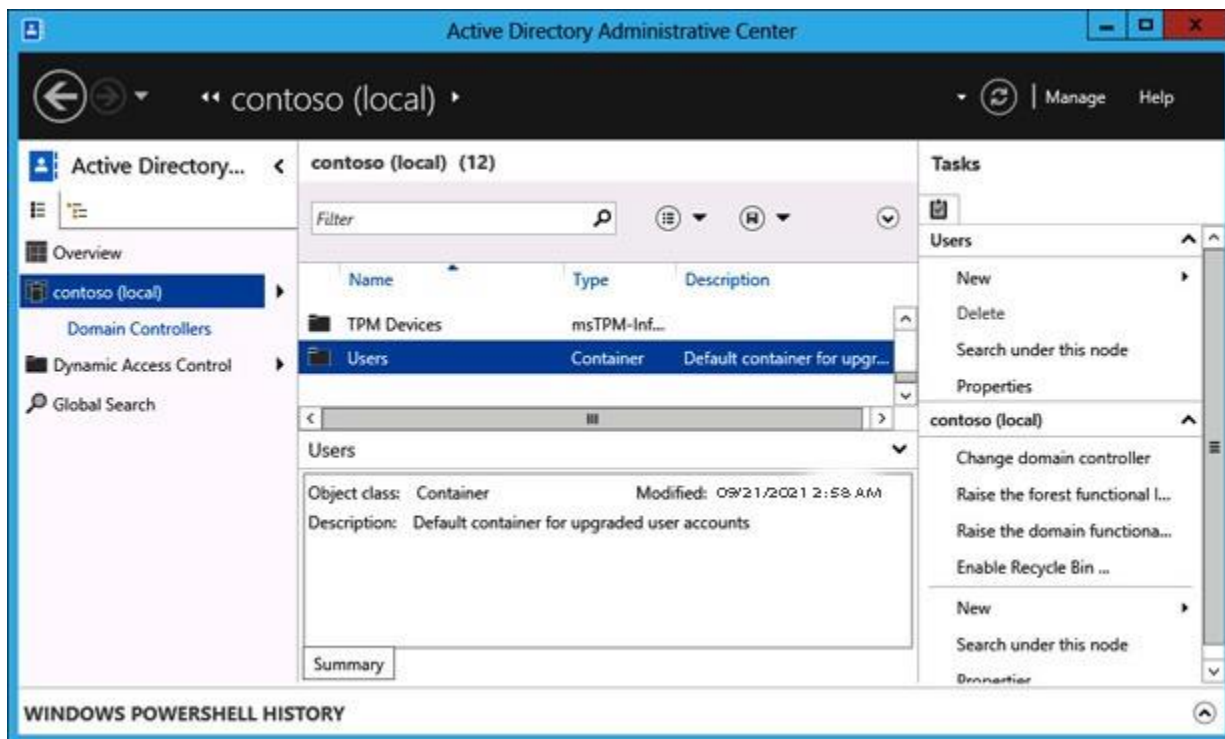
As we can see there are 5 GPO in the list and 3 are new Melbourne, Adelaide, and Sydney



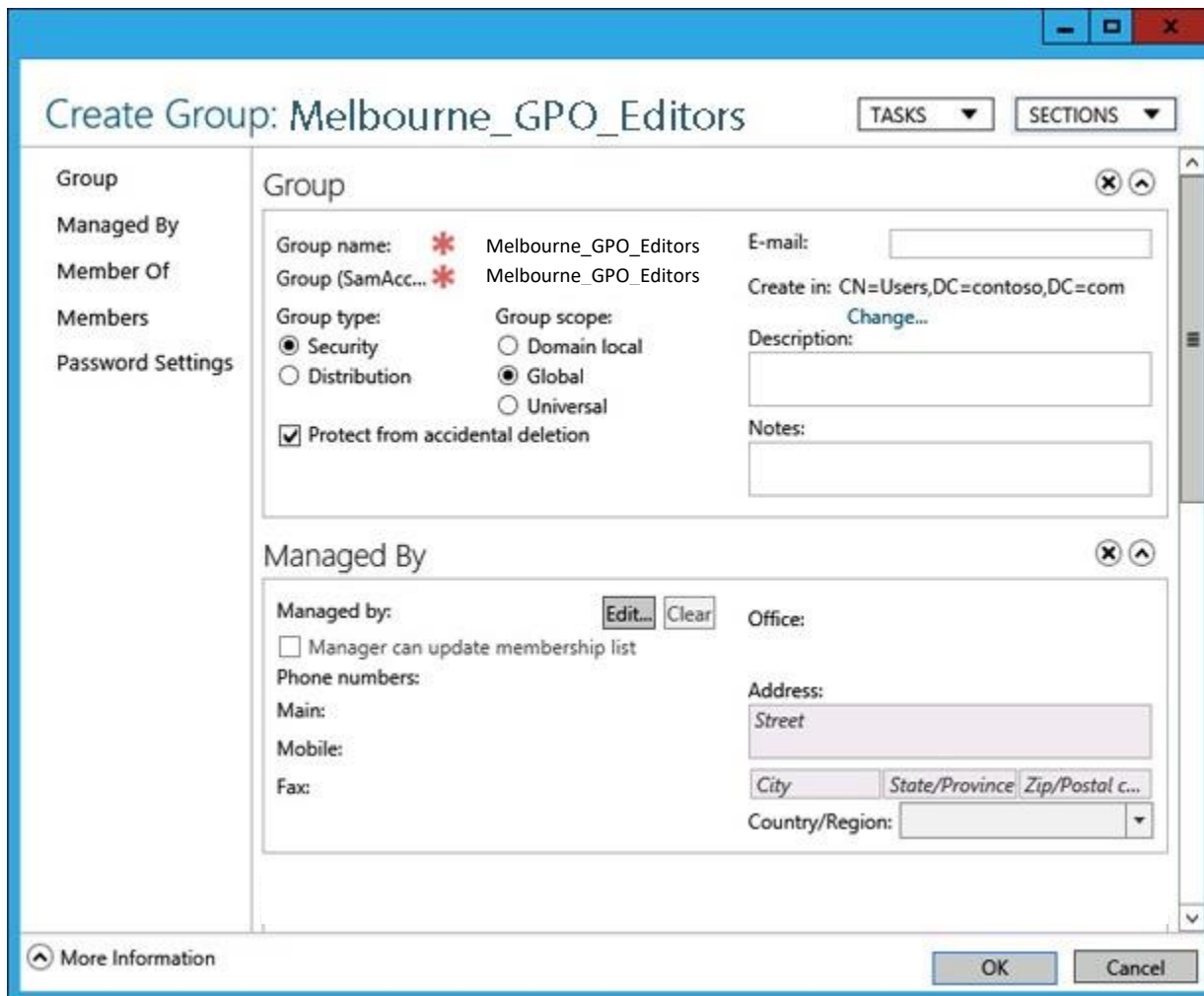
8. In Server Manager, click Active Directory Administrative Center.



9. In Active Directory Administrative Center, click VITLAB (Local), and then click Users
As we are working with contoso domain and that is our local, so contoso(local) will be clicked



10. In the Tasks pane, click New, and click Group.
11. In the Create Group dialog box, type the group name Melbourne_GPO_Editors; click Security, Global, and Protect from Accidental Deletion then click OK.



Create Group: Melbourne_GPO_Editors

TASKS ▾ SECTIONS ▾

Group

Managed By

Member Of

Members

Password Settings

Group

Group name: * Melbourne_GPO_Editors

Group (SamAcc... * Melbourne_GPO_Editors

Group type:

☒ Security

☐ Distribution

Group scope:

☐ Domain local

☒ Global

☐ Universal

☒ Protect from accidental deletion

E-mail:

Create in: CN=Users,DC=contoso,DC=com

Change...

Description:

Notes:

Managed By

Managed by: Edit... Clear

☐ Manager can update membership list

Office:

Address:

Street

City State/Province Zip/Postal c...

Country/Region:

Phone numbers:

Main:

Mobile:

Fax:

More Information

OK Cancel

12. Repeat steps 10 and 11 to create the Adelaide_Computers security group.

Create Group: Adelaide_GPO_Editors

TASKS ▾

SECTIONS ▾

Group

Managed By

Member Of

Members

Password Settings

Group

Group name: * Adelaide_GPO_Editors

Group (SamAcc... * Adelaide_GPO_Editors

Group type:

☒ Security

☐ Distribution

☒ Protect from accidental deletion

Group scope:

☐ Domain local

☒ Global

☐ Universal

E-mail:

Create in: CN=Users,DC=contoso,DC=com

[Change...](#)

Description:

Notes:

Managed By

Managed by: Edit... Clear

☐ Manager can update membership list

Phone numbers:

Main:

Mobile:

Fax:

Office:

Address:

Street

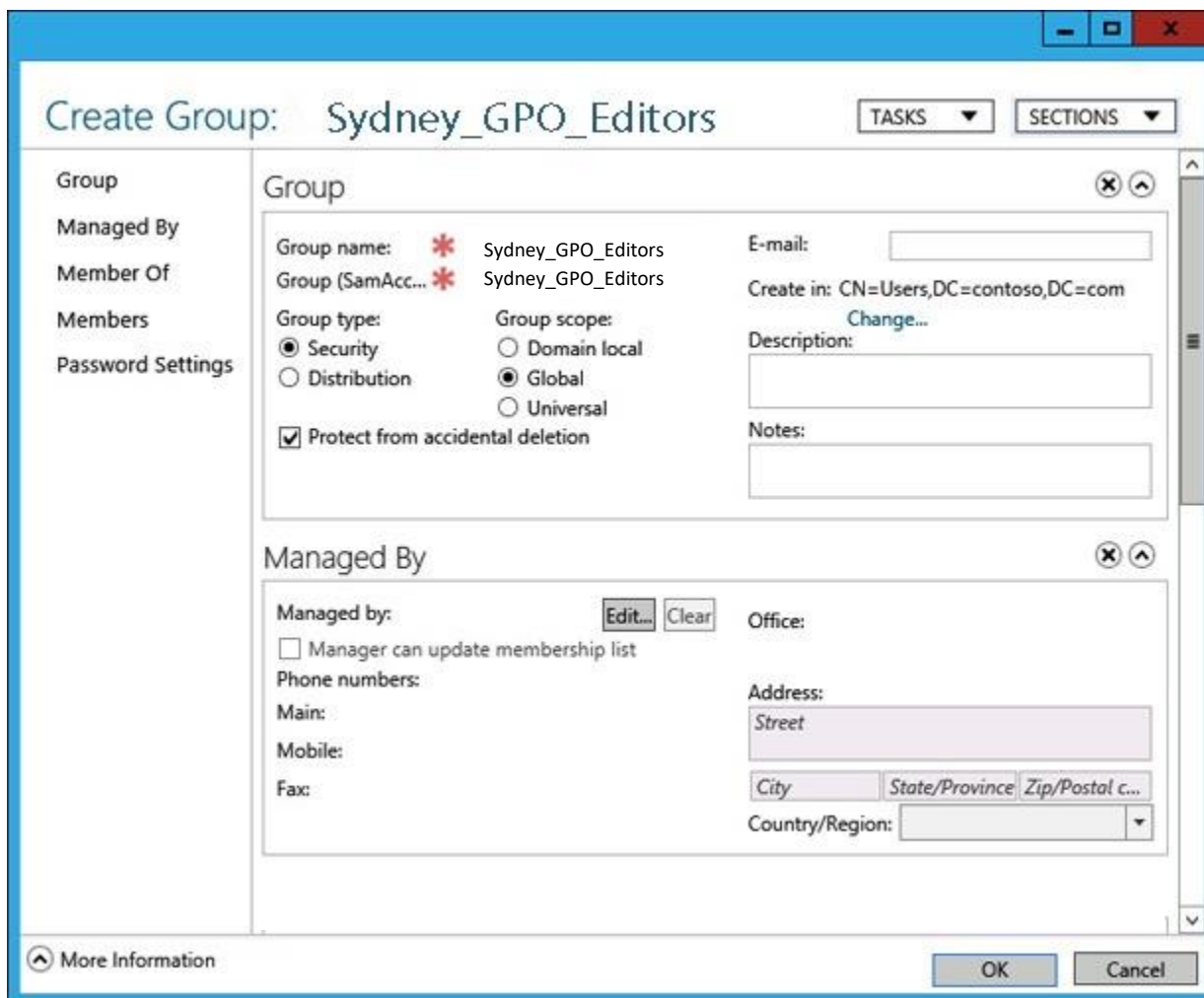
City State/Province Zip/Postal c...

Country/Region:

More Information

OK

Cancel



Create Group: Sydney_GPO_Editors [TASKS] [SECTIONS]

Group

Managed By

Member Of

Members

Password Settings

Group

Group name: * Sydney_GPO_Editors

Group (SamAcc... * Sydney_GPO_Editors

E-mail: [Text Box]

Create in: CN=Users,DC=contoso,DC=com

Change...

Description: [Text Box]

Notes: [Text Box]

Group type:

☒ Security

☐ Distribution

Group scope:

☐ Domain local

☒ Global

☐ Universal

☒ Protect from accidental deletion

Managed By

Managed by: [Edit...] [Clear]

☐ Manager can update membership list

Phone numbers:

Main: [Text Box]

Mobile: [Text Box]

Fax: [Text Box]

Office: [Text Box]

Address:

Street [Text Box]

City [Text Box] State/Province [Text Box] Zip/Postal c... [Text Box]

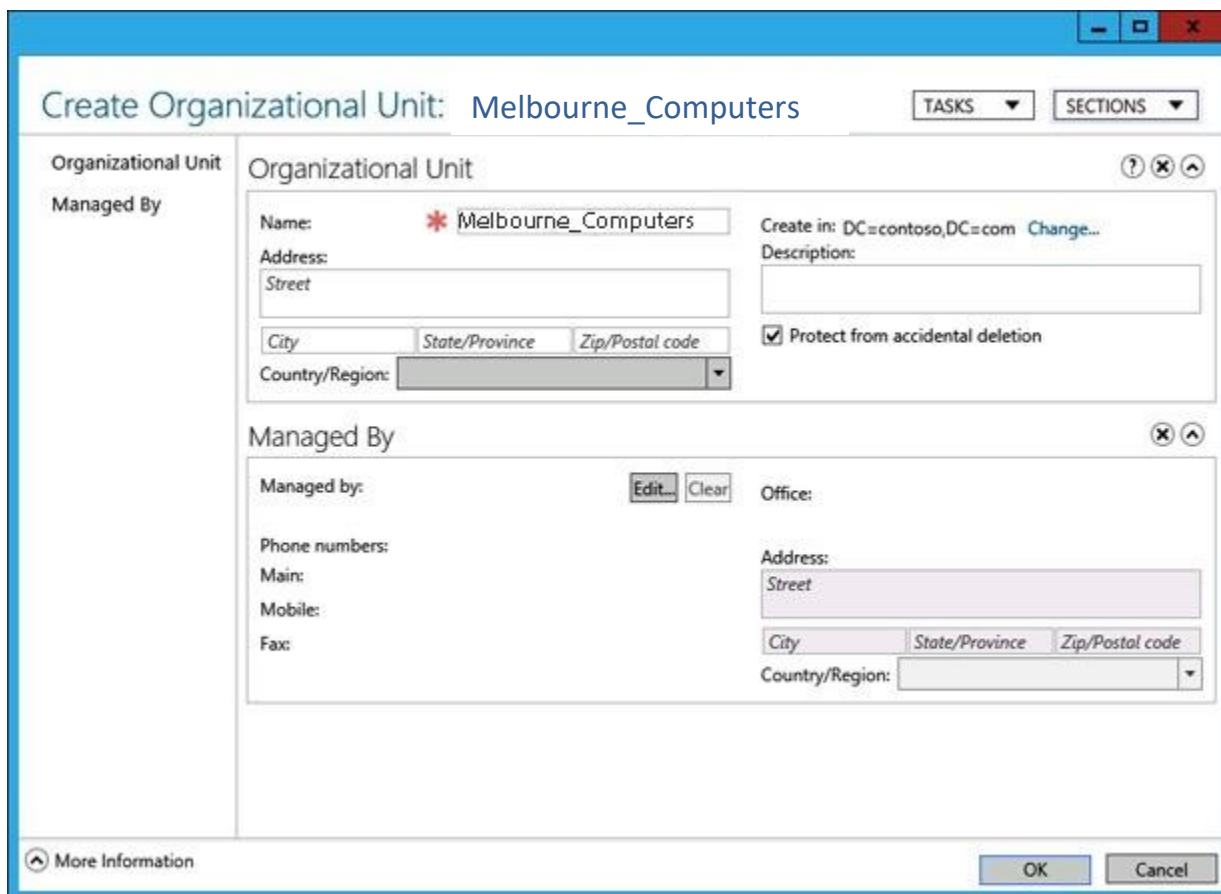
Country/Region: [Dropdown]

More Information


OK Cancel

13. In the Active Directory Administrative Center, in the Tasks pane, under VITLAB (Local), click New, and then click Organizational Unit.

14. In the Create Organizational Unit dialog box, type the name Melbourne_Computers and click OK.



15. Close the Active Directory Administrative Center.
16. On the taskbar, click File Manager.
17. In File Manager, click Computer, and then double-click Local Disk (C:)
18. On the title bar of the Local Disk (C:) window, click the New Folder icon.
19. Name the new folder GPO_Backup.

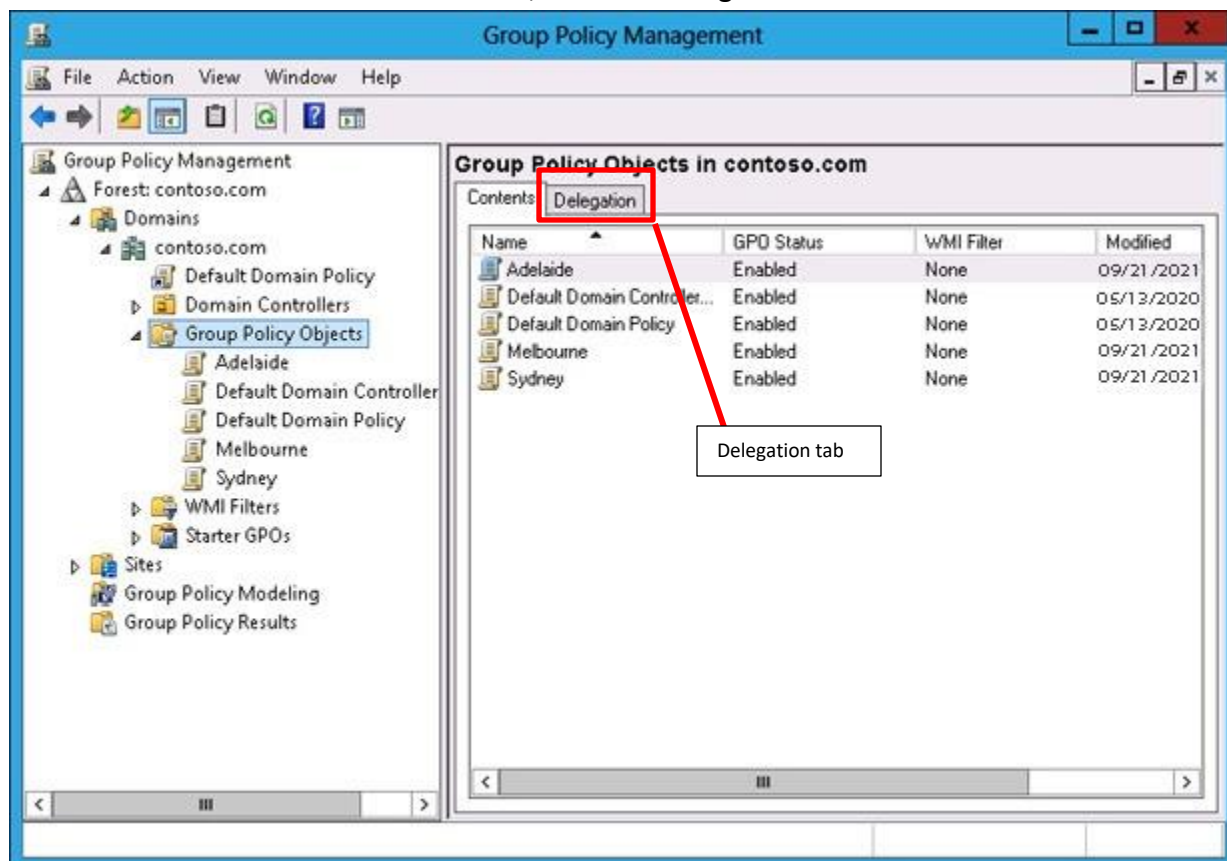
Local Disk (C:) > Windows	
Name	Date modified
 GPO_Backup	9/21/2021 12:39 PM

20. Close the Local Disk (C:) window

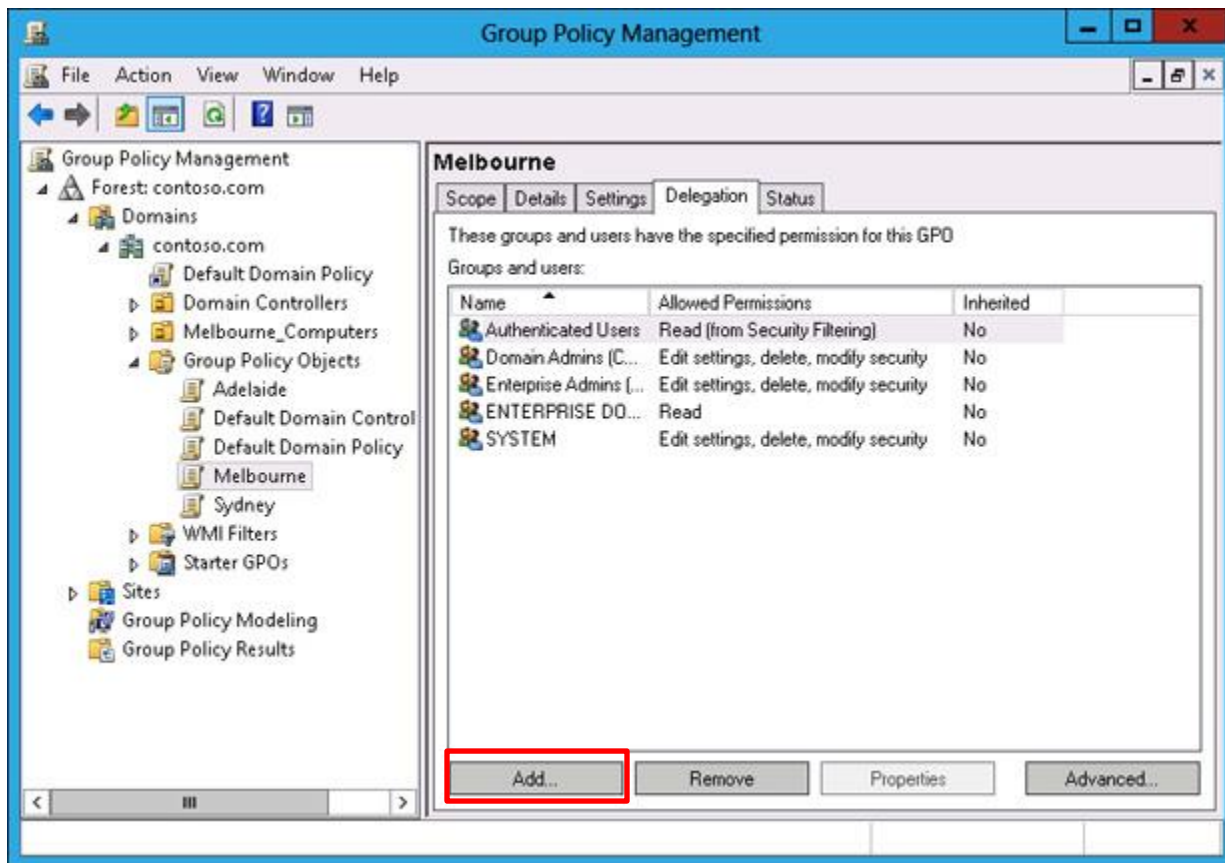
Exercise 3.2: Manage GPOs (10 marks)

In this exercise, you perform several Group Policy management-related tasks. To complete this exercise, perform the following steps:

1. In the GPMC, click the Melbourne GPO.
2. When the Melbourne GPO is selected, click the Delegation tab



3. On the Delegation tab, click Add.

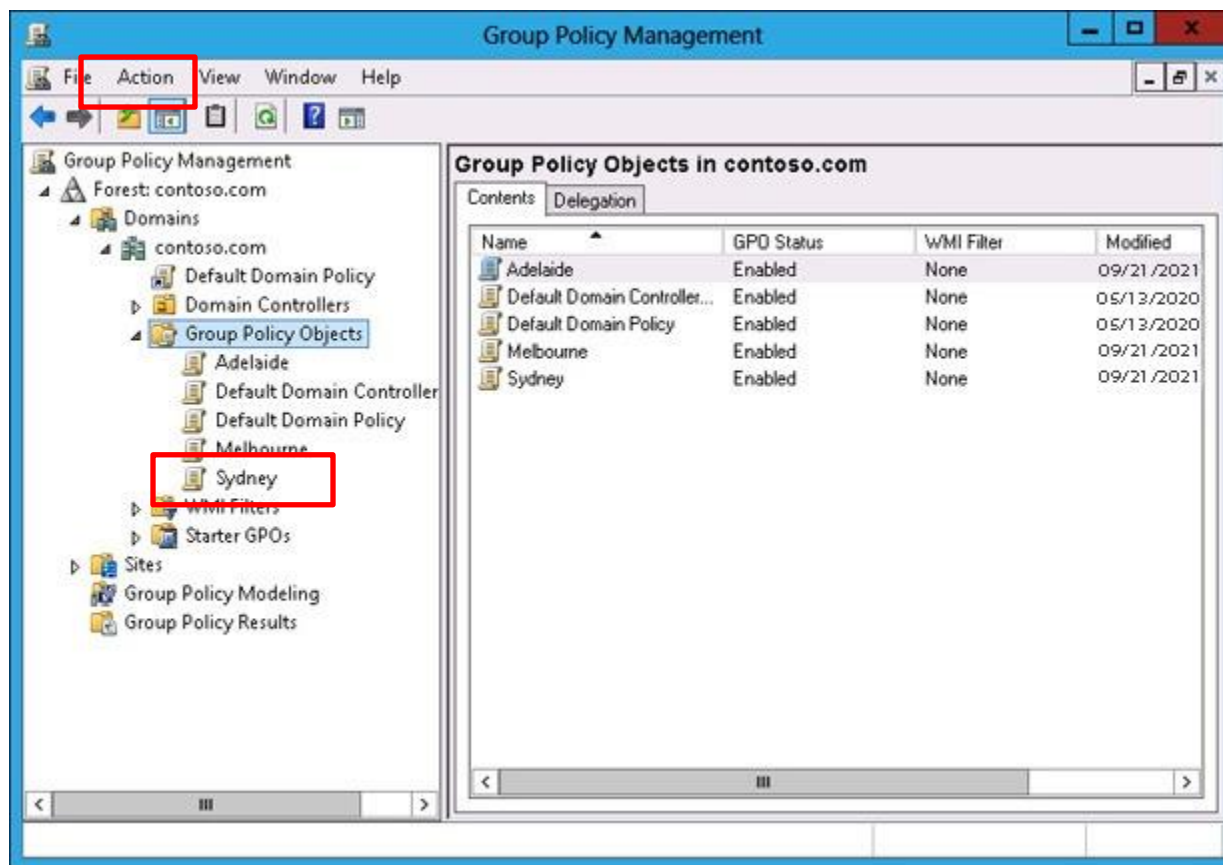


4. In the Select User, Computer, Or Group dialog box, type Melbourne_GPO_Editors, click Check Names, and click OK.

5. In the Add Group or User dialog box, use the drop-down menu to select Edit Settings, Delete, Modify Security and click OK.

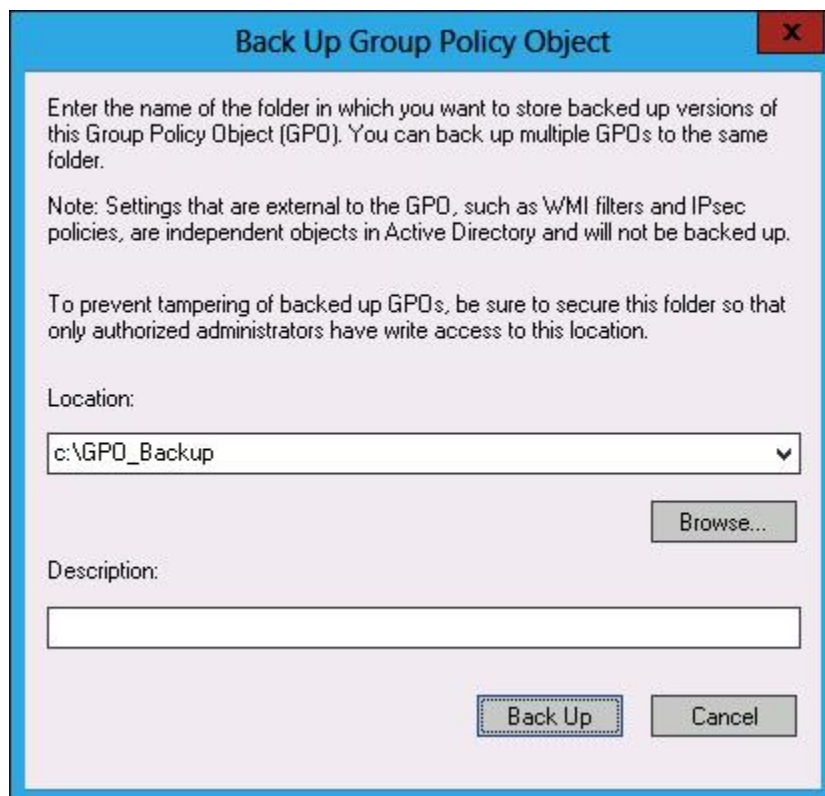


6. In the GPMC, click the Sydney GPO.

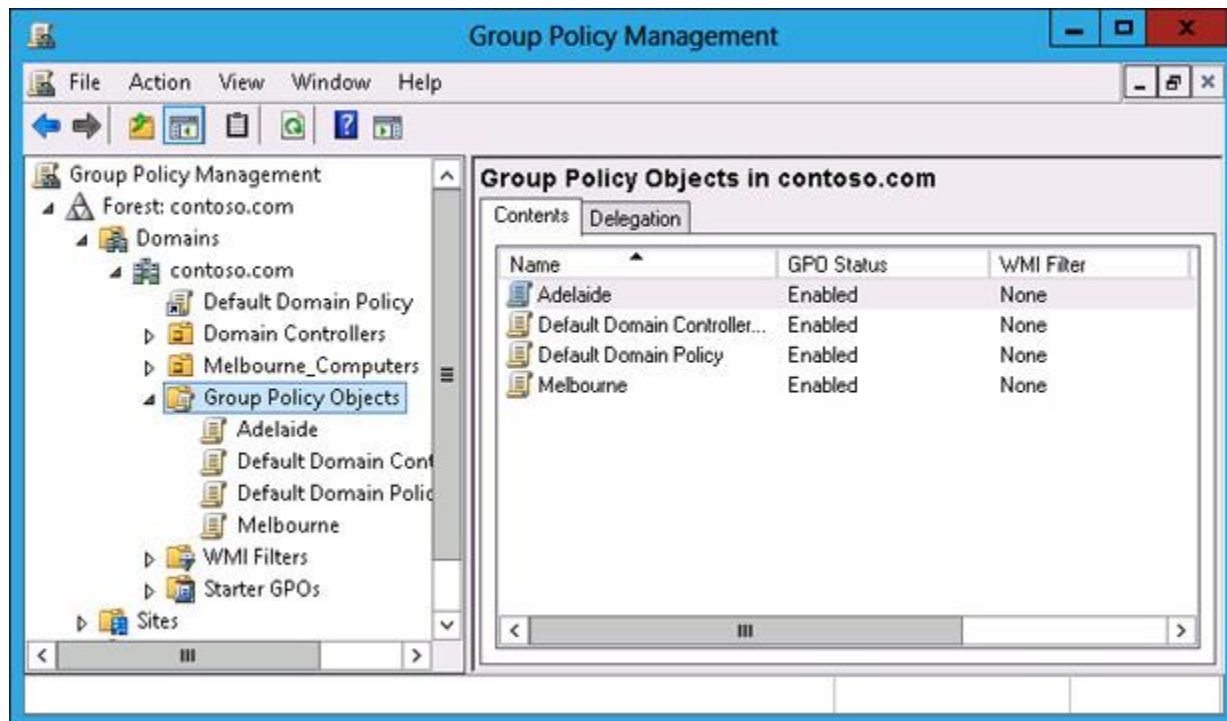


7. On the Action menu, click Back Up.

8. In the Back Up Group Policy Object dialog box, type C:\GPO_Backup as the location and click Back Up.

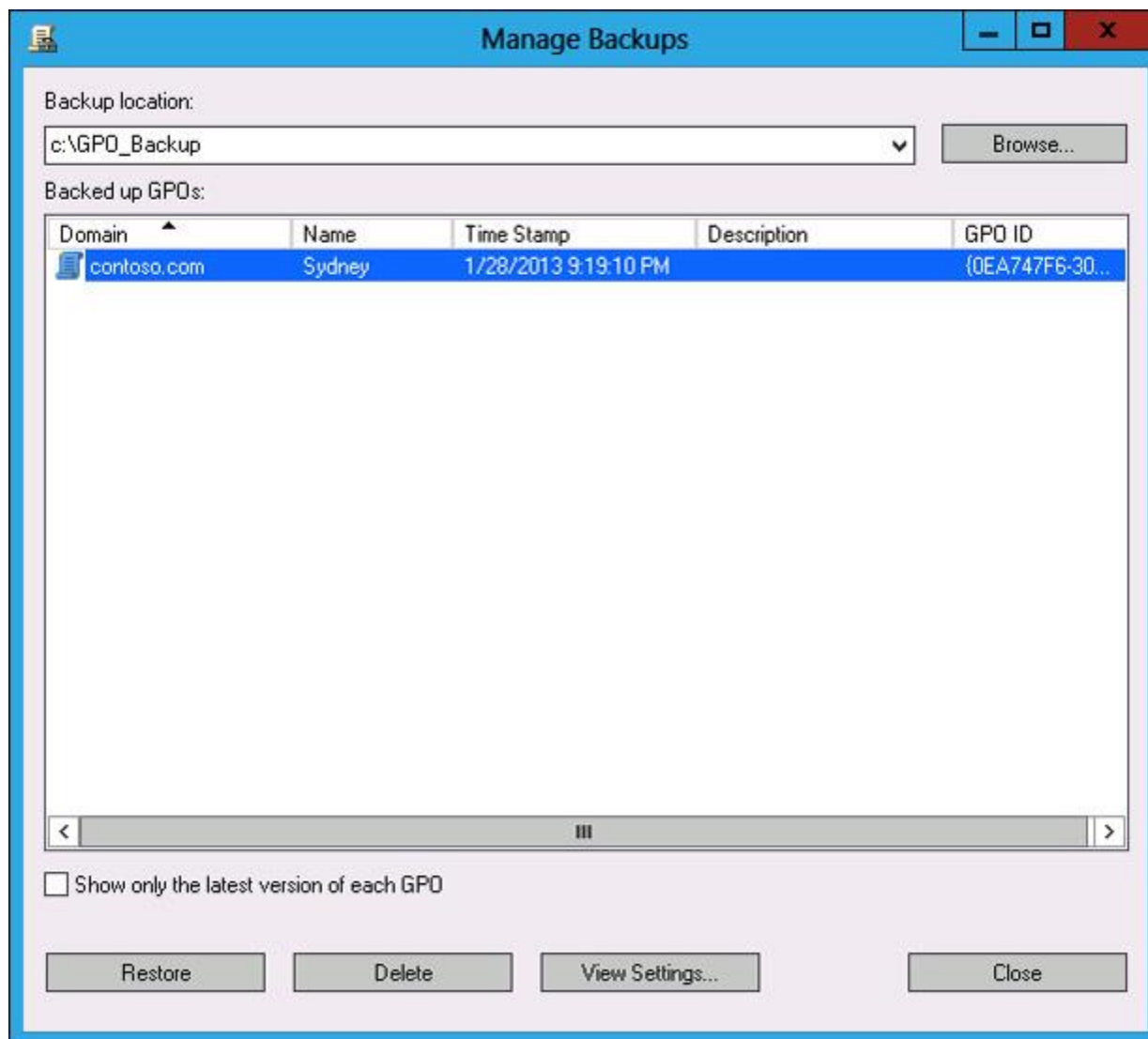


9. In the Backup dialog box, click OK.
10. In the GPMC, click the Sydney GPO.
11. On the Action menu, click Delete.
12. In the Group Policy Management dialog box, click Yes.
13. Verify that the Sydney GPO is no longer listed under Group Policy Objects

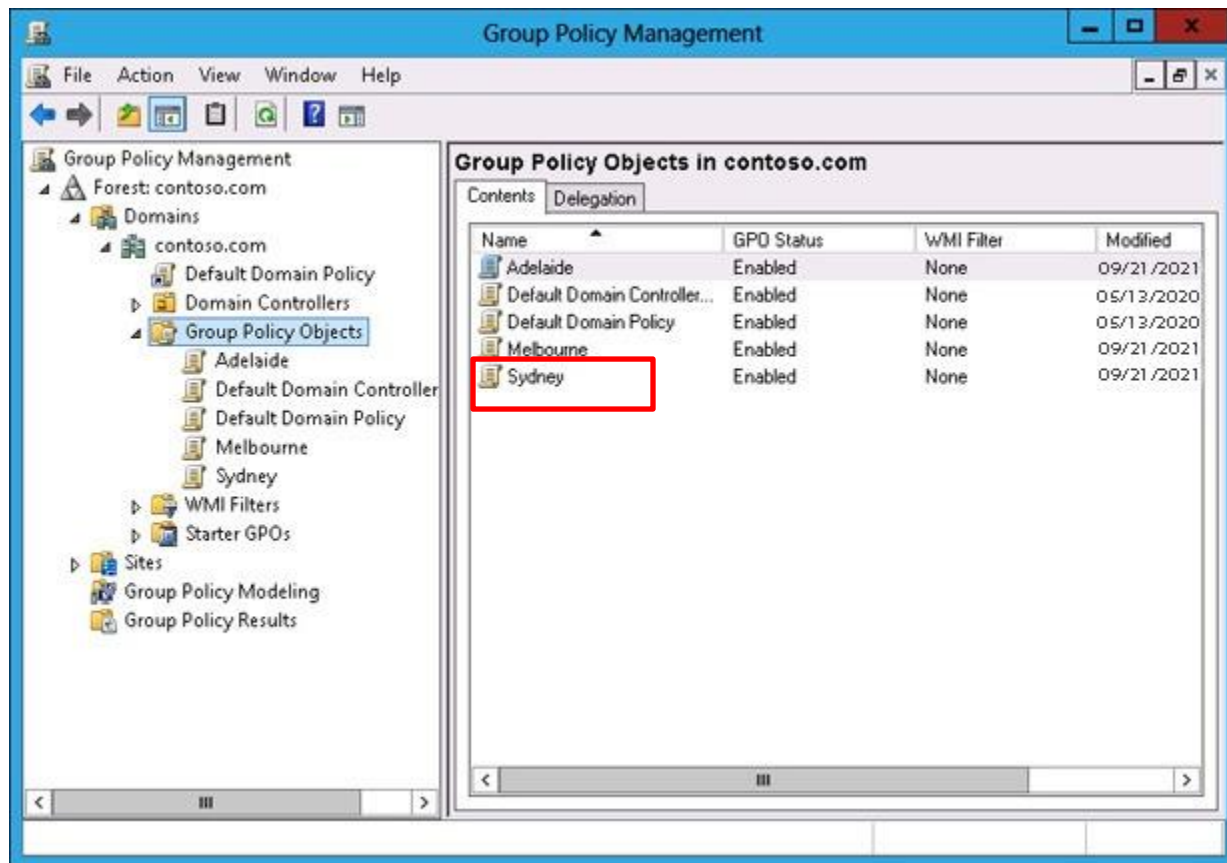


14. Click Group Policy Objects. On the Action menu, click Manage Backups.

15. In the Manage Backups dialog box, click the Sydney GPO and click Restore.



16. In the Group Policy Management dialog box, click OK.
17. In the Restore dialog box, click OK.
18. In the Manage Backups dialog box, click Close.
19. Verify the presence of the Sydney GPO in the list of Group Policy Objects.



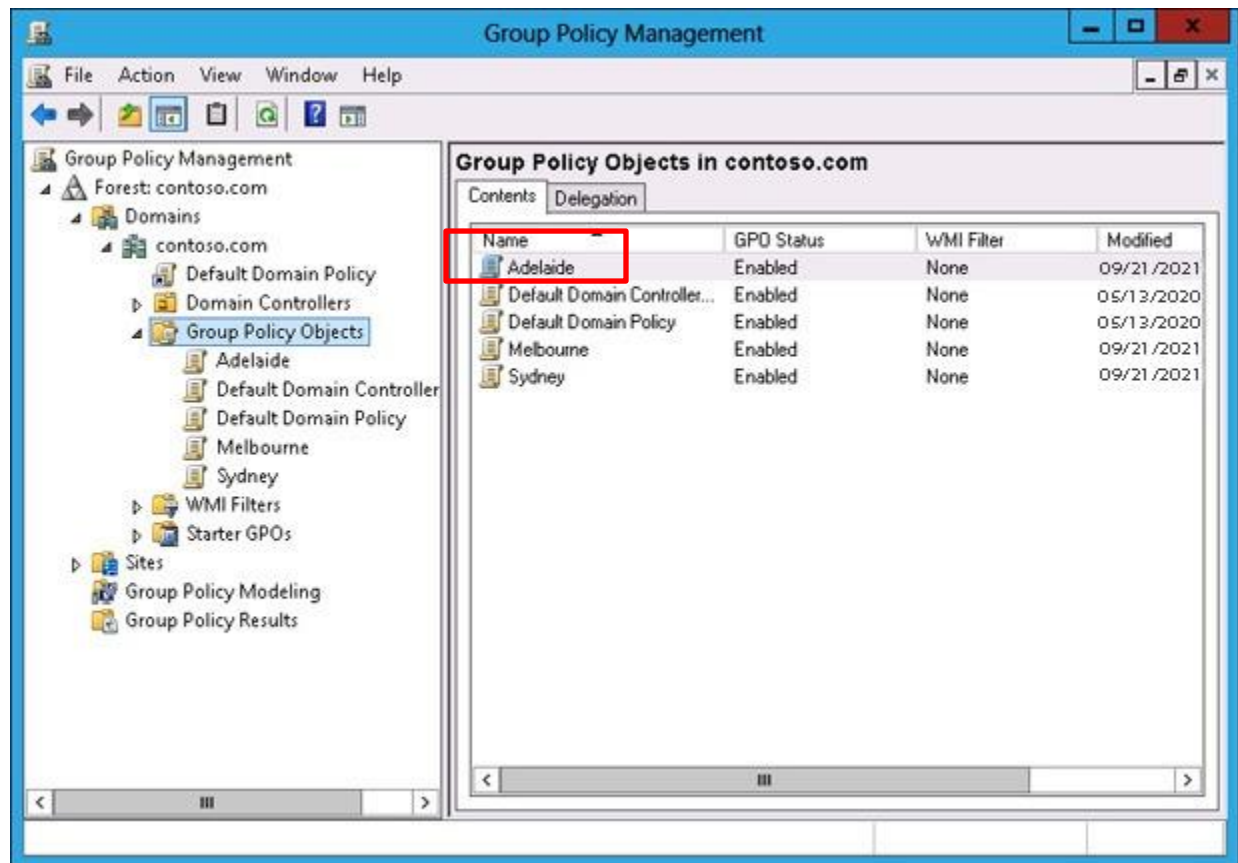
Exercise 3.3: Manage Group Policy Processing (10 marks)

In this exercise, you perform Group Policy management tasks related to Group Policy processing.

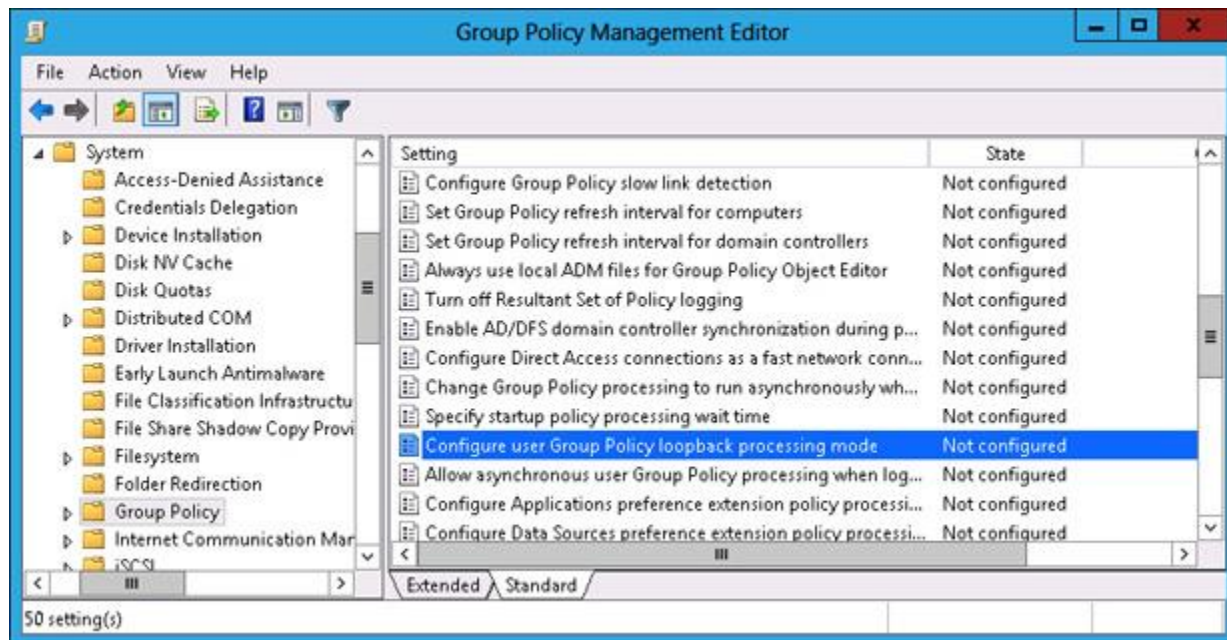
To

complete this exercise, perform the following steps:

1. In the GPMC, click the Adelaide GPO.

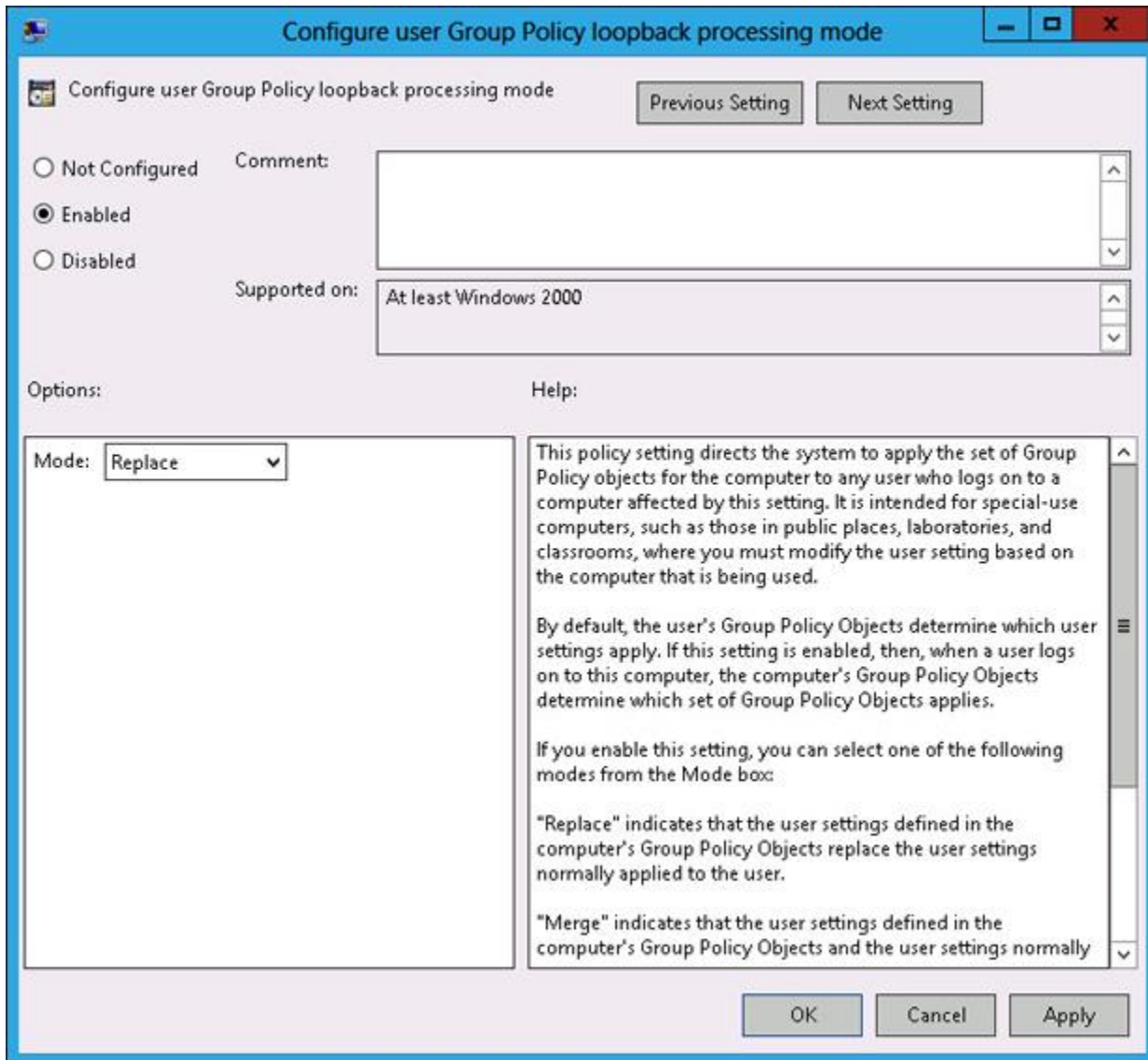


2. On the Action menu, click Edit.
3. In the Group Policy Management Editor, expand the Computer Configuration\Administrative Templates\System\Group Policy node and select the Configure User Group Policy loopback processing mode policy



4. On the Action menu, click Edit.

5. In the Configure User Group Policy Loopback Processing Mode dialog box, click Enabled. Set the mode to Replace and click OK.



Configure user Group Policy loopback processing mode

Configure user Group Policy loopback processing mode Previous Setting Next Setting

☐ Not Configured Comment:
☒ Enabled
☐ Disabled

Supported on: At least Windows 2000

Options: Help:

Mode: Replace

This policy setting directs the system to apply the set of Group Policy objects for the computer to any user who logs on to a computer affected by this setting. It is intended for special-use computers, such as those in public places, laboratories, and classrooms, where you must modify the user setting based on the computer that is being used.

By default, the user's Group Policy Objects determine which user settings apply. If this setting is enabled, then, when a user logs on to this computer, the computer's Group Policy Objects determine which set of Group Policy Objects applies.

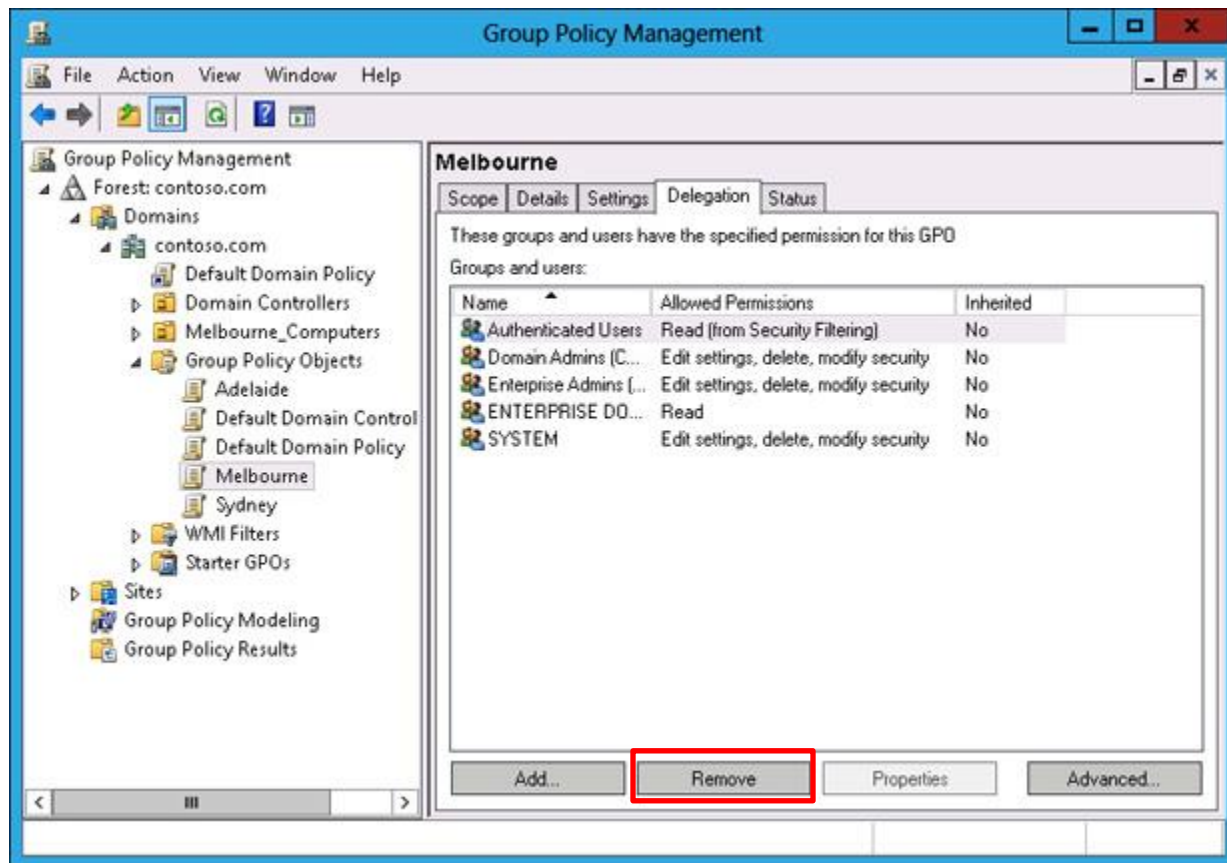
If you enable this setting, you can select one of the following modes from the Mode box:

"Replace" indicates that the user settings defined in the computer's Group Policy Objects replace the user settings normally applied to the user.

"Merge" indicates that the user settings defined in the computer's Group Policy Objects and the user settings normally

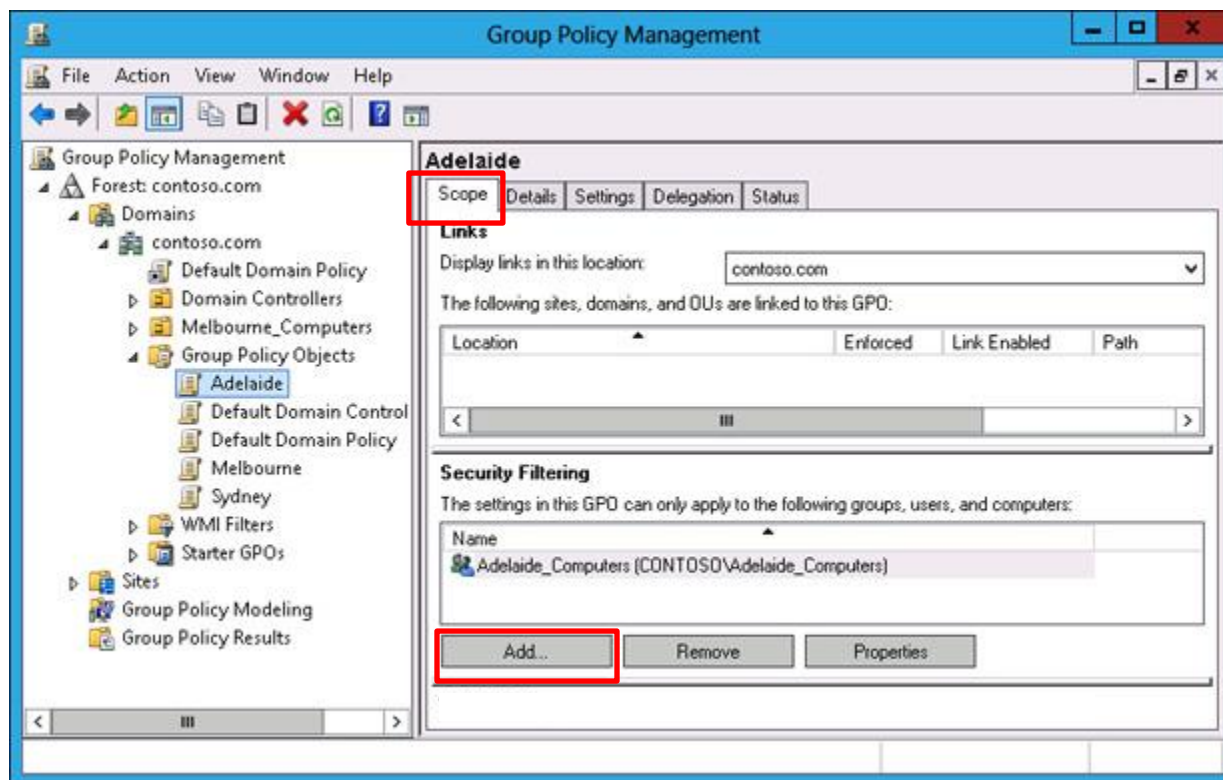
OK Cancel Apply

6. Close the Group Policy Management Editor.
7. In the GPMC, click the Adelaide GPO, and click the Scope tab.
8. On the Scope tab, click the Authenticated Users group, and click Remove.

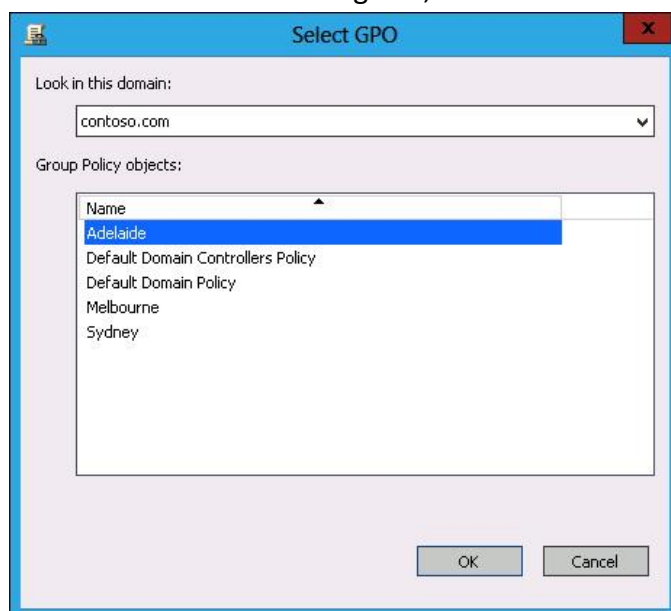


9. In the Group Policy Management dialog box, click OK.

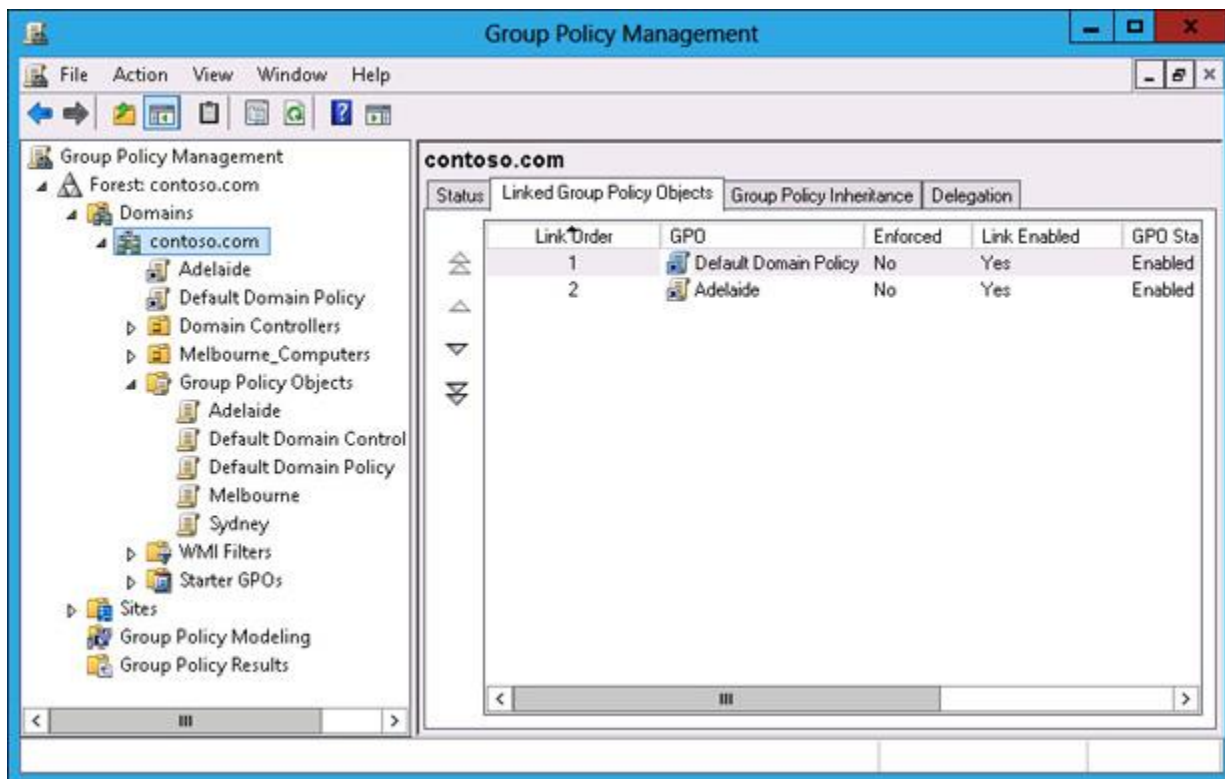
10. Under Security Filtering, click Add.



11. In the Select User, Computer, Or Group dialog box, type Adelaide_Computers, click Check Names, and click OK.
12. In the GPMC, click VITLAB.local, and click the Linked Group Policy Objects tab.
13. Click VITLAB.local On the Action menu, click Link an Existing GPO.
14. In the Select GPO dialog box, click Adelaide and click OK.



15. In the GPMC, verify that the Adelaide GPO and the Default Domain Policy GPO are linked to the domain

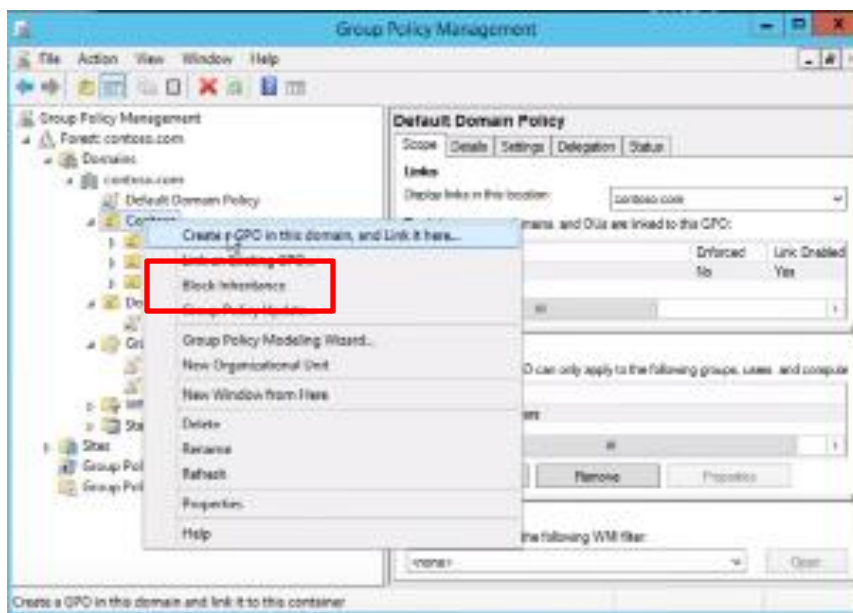


Exercise 3.4: Group Policy Inheritance and Enforcement (10 marks)

In this exercise, you will perform Group Policy management tasks related to Group Policy processing.

To complete this exercise, perform the following steps:

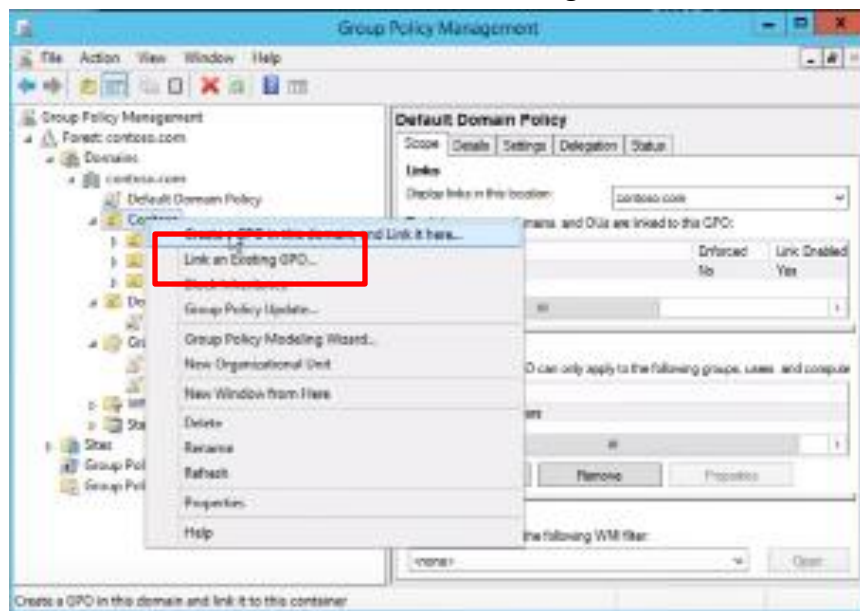
1. In the GPMC, click the Melbourne_Computers OU.
2. On the Action menu, click Block Inheritance.



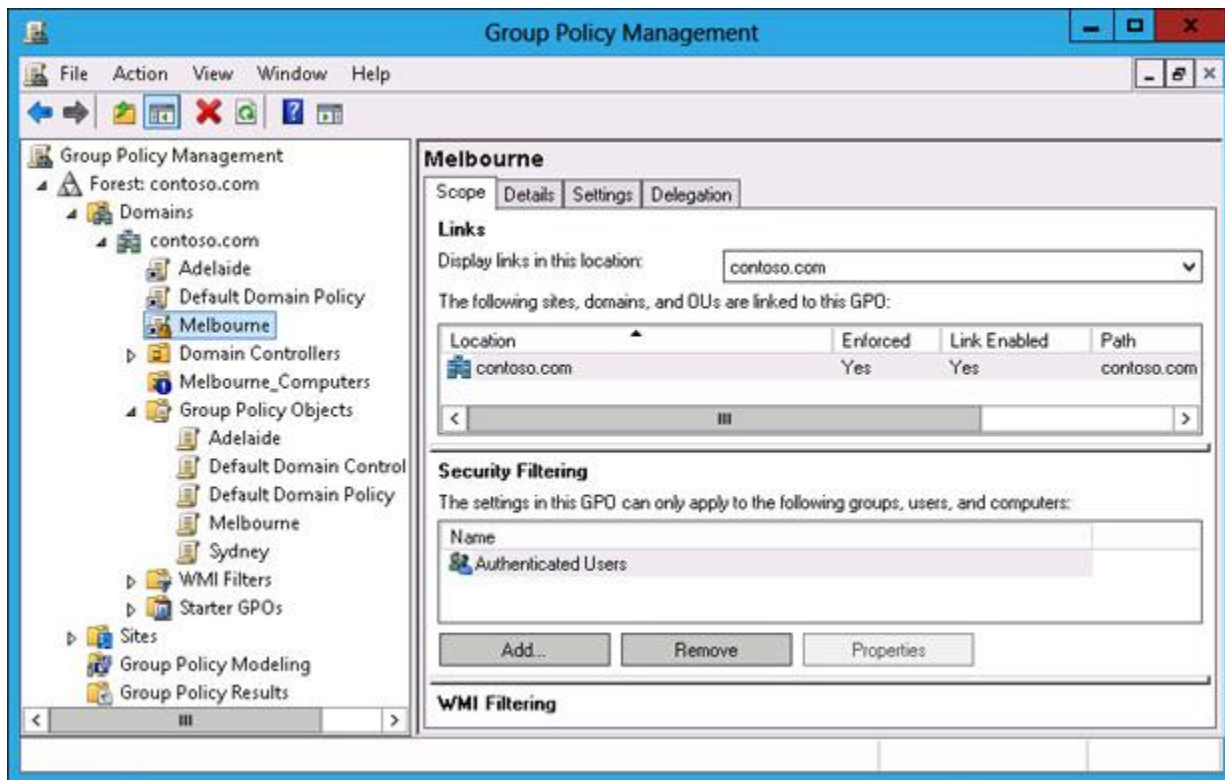
3.

3. In the GPMC, click VITLAB.local.

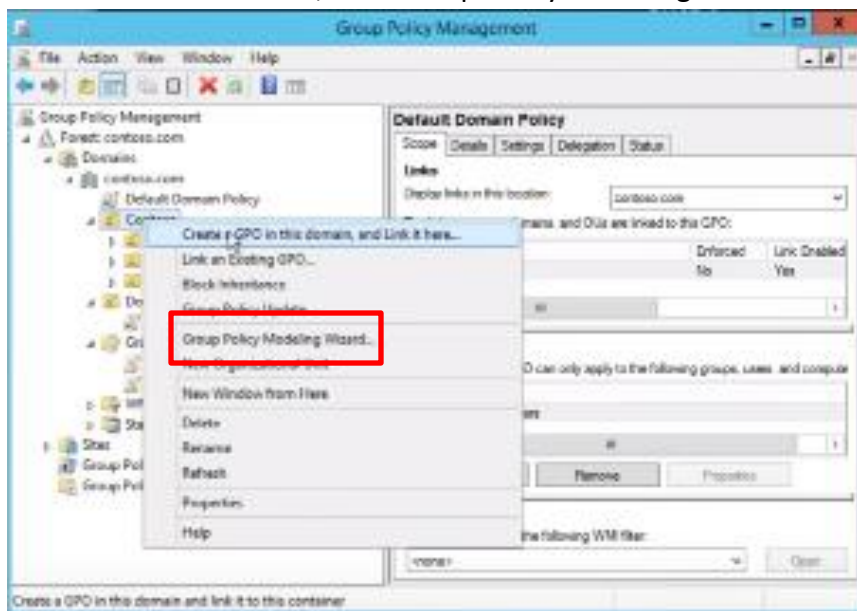
4. On the Action menu, click Link an Existing GPO.

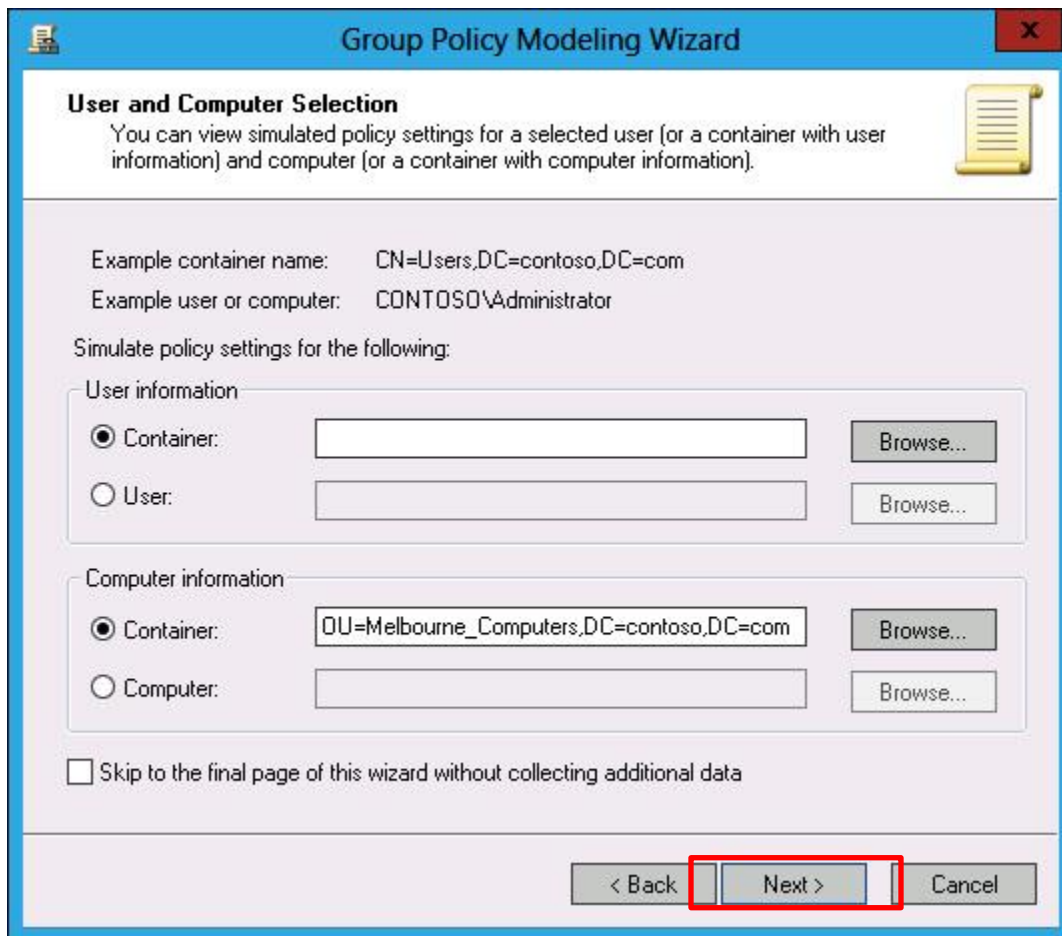


5. In the Select GPO dialog box, click Melbourne, and then click OK.



6. Click the Melbourne GPO under VITLAB.local.
7. On the Action menu, click Enforced.
8. Verify that the GPMC shows the Melbourne policy as Enforced and the Melbourne_ Computers OU set to Block Inheritance
9. In the GPMC, click the Group Policy Modeling node.
10. On the Action menu, click Group Policy Modeling Wizard.





Group Policy Modeling Wizard

User and Computer Selection
You can view simulated policy settings for a selected user (or a container with user information) and computer (or a container with computer information).

Example container name: CN=Users,DC=contoso,DC=com
Example user or computer: CONTOSO\Administrator

Simulate policy settings for the following:

User information

☒ Container:

☐ User:

Computer information

☒ Container:

☐ Computer:

☐ Skip to the final page of this wizard without collecting additional data

< Back **Next >** Cancel

11. On the Welcome page of the Group Policy Modeling Wizard, click Next.
12. On the Domain Controller Selection page, click This Domain Controller, and click Next.
13. On the User and Computer Selection page, click Browse next to Container in the Computer Information section.
14. In the Choose Computer Container dialog box, click Melbourne_Computers, and click OK.
15. On the Summary of Selections page, click Next, and then click Finish.
16. In the Warning dialog box, click OK.

