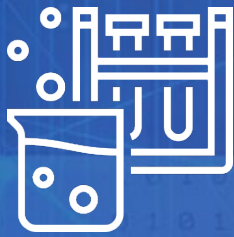


Lab Assignment & Solution



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Cybersecurity Professional Program

Microsoft Security

Group Policy

MS-05-L3

**Set up Group Policy
for Chrome Browser**

Lab Objective

Learn how policy templates can be used to configure and manage applications across all users of a domain and customize an applications policy by department.

Lab Mission

Add external Google templates, configure GPOs for Google Chrome across the domain, and understand the concept of policy precedence.

Lab Duration

40–60 minutes

Requirements

Learners should know how to use Google to research material and be familiar with configurable Windows features.

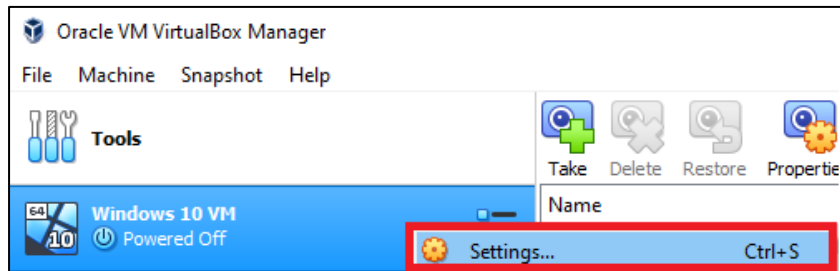
Resources

- Environment & Tools
 - VirtualBox
 - Windows 10
 - Windows Server 2016
- Extra Lab Files
 - ***policy_template.zip***
 - ***ChromeSetup.exe***
- Extra Link
 - VirtualBox download page:
<https://www.virtualbox.org/wiki/Downloads>

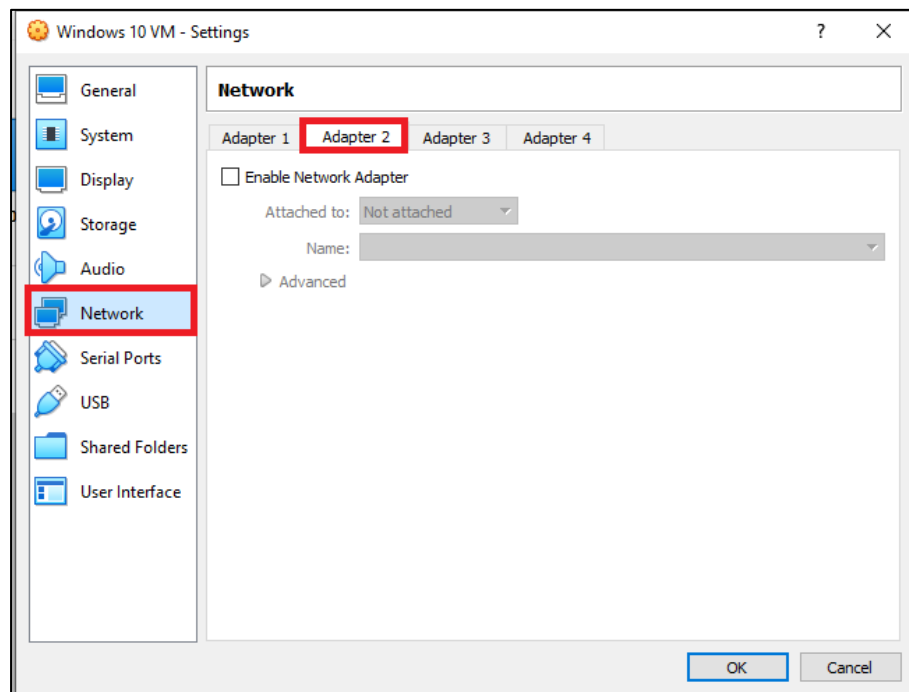
Lab Task 1: Adding a Network Adapter

Set up a new network adapter and allow internet access.

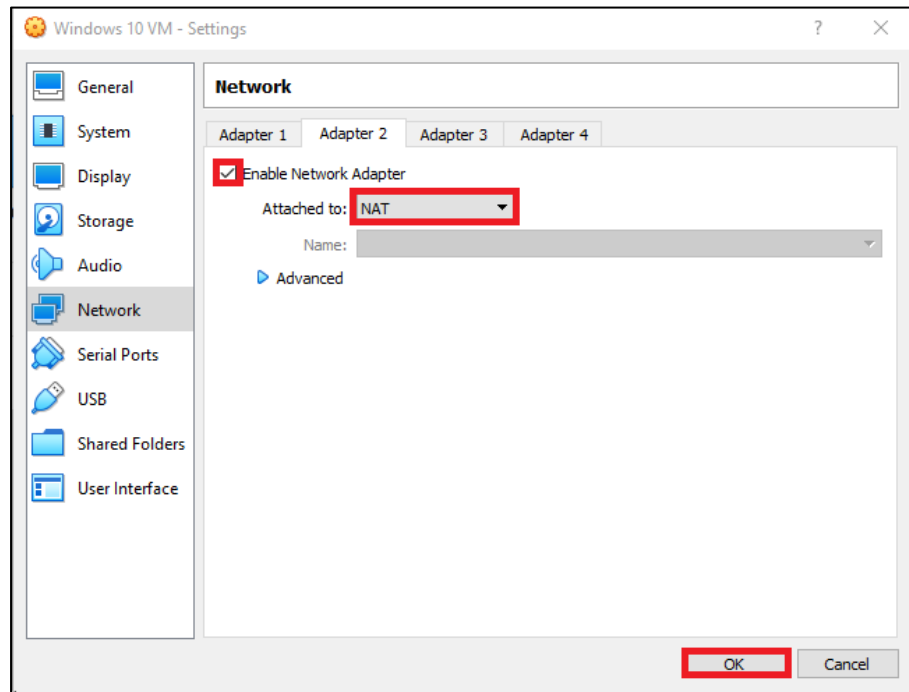
- 1 Open Oracle VM VirtualBox Manager and right-click the Windows 10 machine. Select **Settings**. **Note:** Make sure the machine is **offline**.



- 2 Under the **Network** tab, select **Adapter 2**.



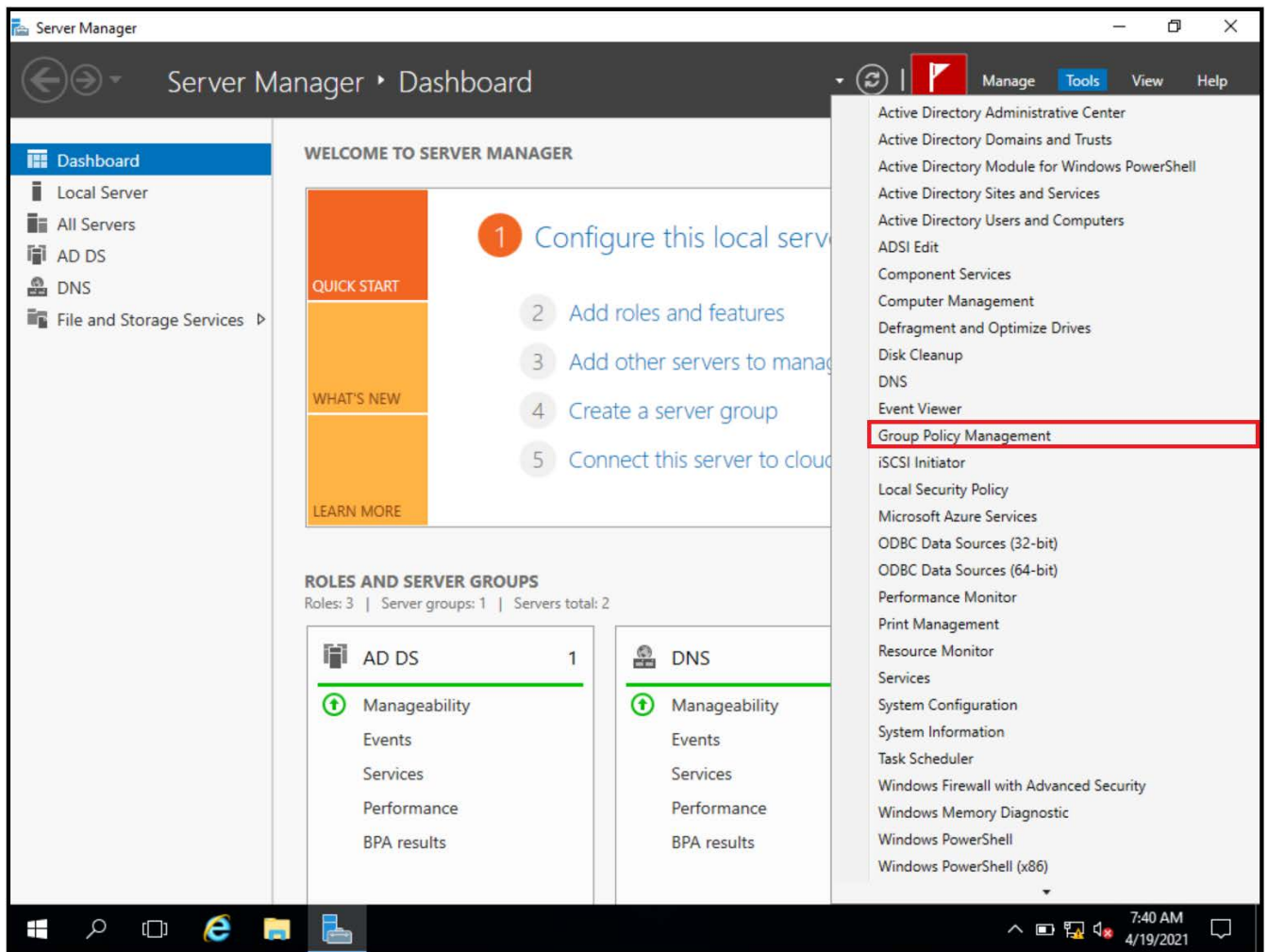
- 3 Check **Enable Network Adapter** and choose **NAT** in the **Attached to:** drop-down menu. Click **OK** to apply changes.



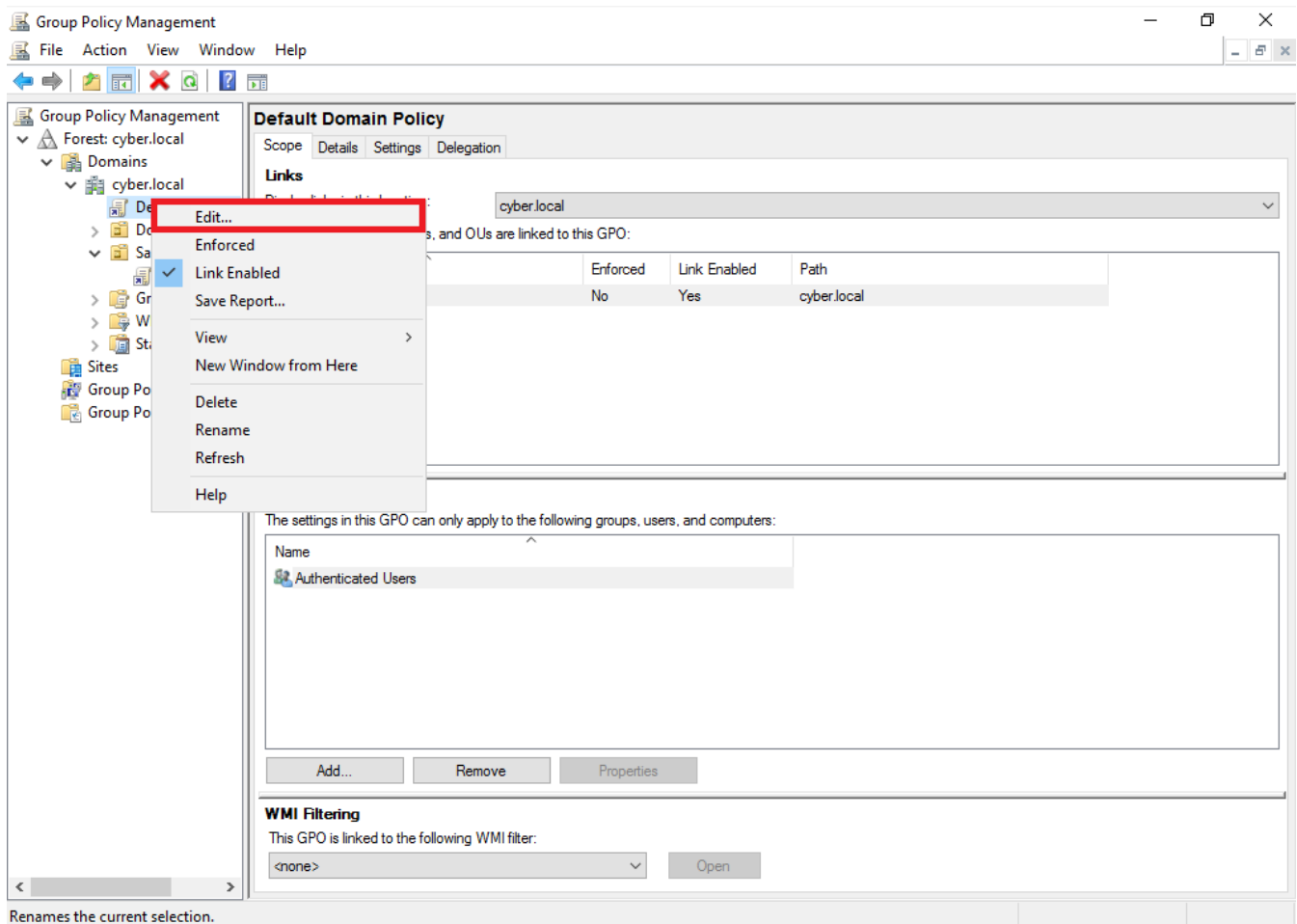
Lab Task 2: GPO: Disable Windows Updates

Set up a new Group Policy Object (GPO) that will disable Windows updates.

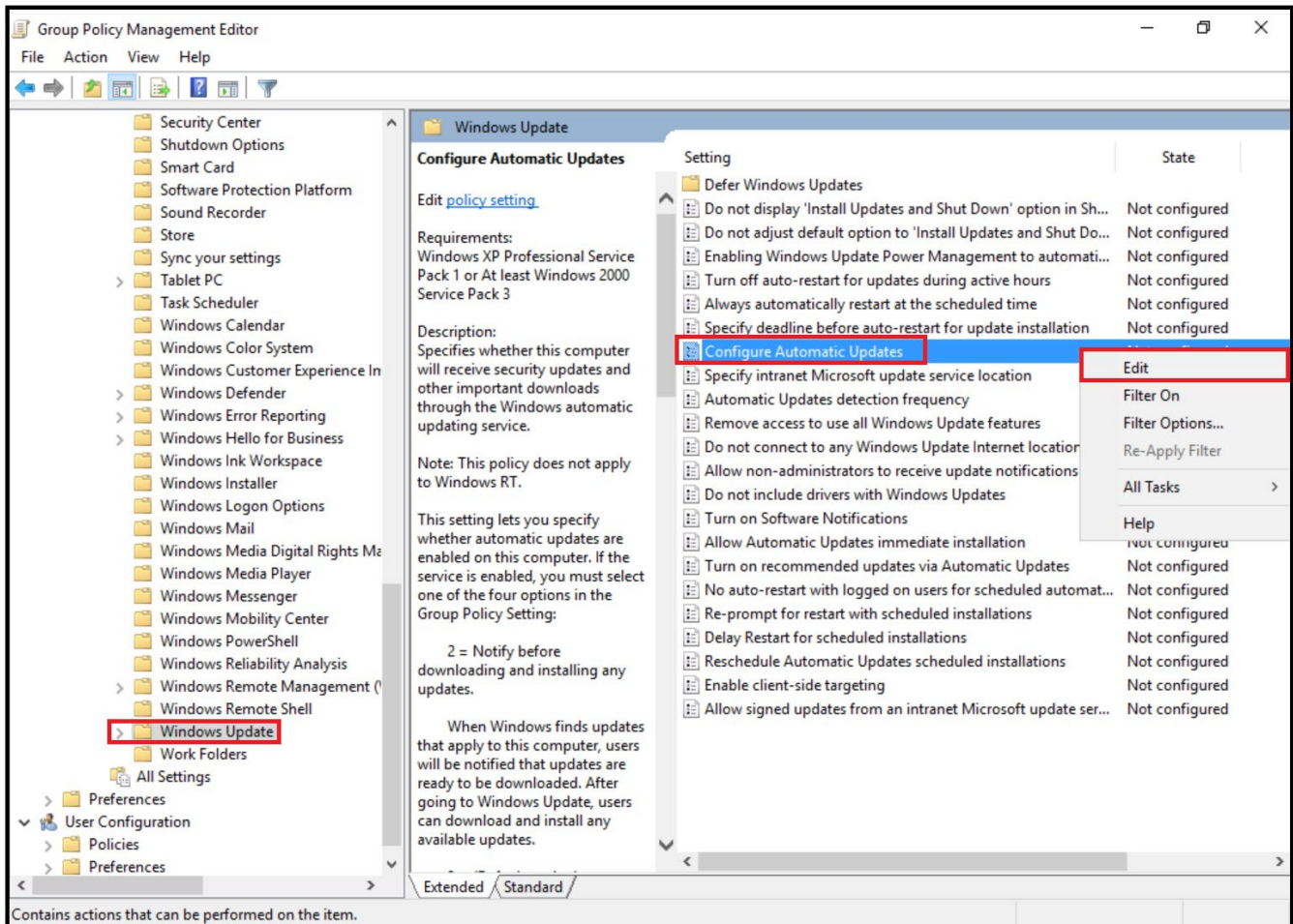
- 1 Start the Windows Server and open the Server Manager, then click on the **Tools** tab and choose **Group Policy Management**.



- 2 Select the domain where you want to make the change, select **Default Domain Policy**, right-click, and select **Edit**.



- 3 Under Computer Configurations, select **Policies > Administrative Templates > Windows Components > Windows Update**. Then right-click **Configure Automatic Updates** and choose **Edit**.



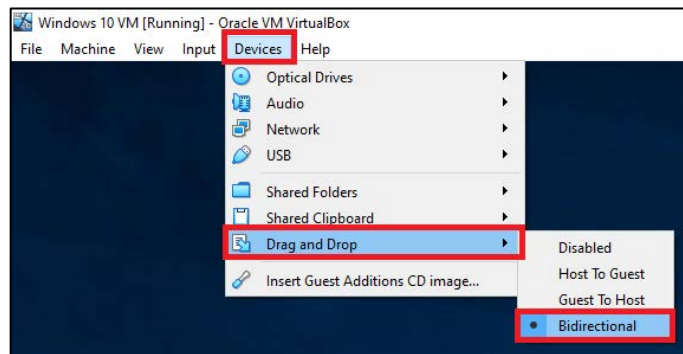
4 Select **Disabled** and click **OK** to confirm the changes.

The screenshot shows the 'Configure Automatic Updates' dialog box. At the top, there are 'Previous Setting' and 'Next Setting' buttons. Below them are three radio buttons: 'Not Configured', 'Enabled', and 'Disabled'. The 'Disabled' option is selected and highlighted with a red rectangular box. To the right of these buttons is a 'Comment:' text box. Below the radio buttons is a 'Supported on:' section with a dropdown menu showing 'Windows XP Professional Service Pack 1 or At least Windows 2000 Service Pack 3'. The main area is divided into 'Options:' and 'Help:' sections. The 'Options:' section contains a 'Configure automatic updating:' dropdown menu, a note about settings for option 4, a checkbox for 'Install during automatic maintenance', a 'Scheduled install day:' dropdown, a 'Scheduled install time:' dropdown, and a checkbox for 'Install updates for other Microsoft products'. The 'Help:' section contains explanatory text about the service and the meaning of the update options. At the bottom right, there are 'OK', 'Cancel', and 'Apply' buttons. The 'OK' button is highlighted with a red rectangular box.

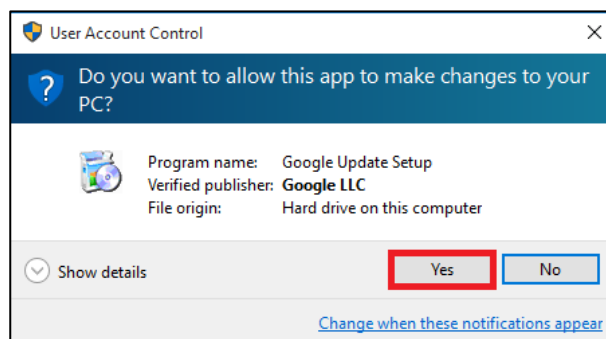
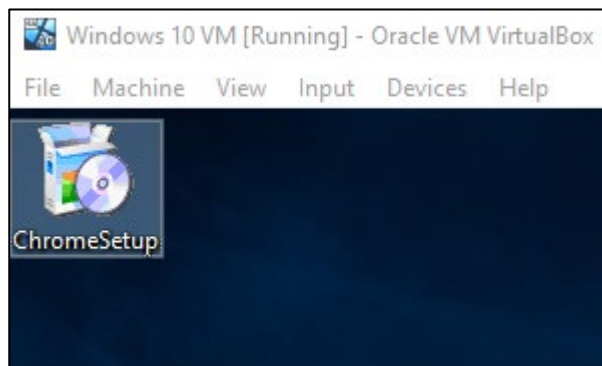
Lab Task 3: Download Google Chrome

Set up the Google Chrome browser.

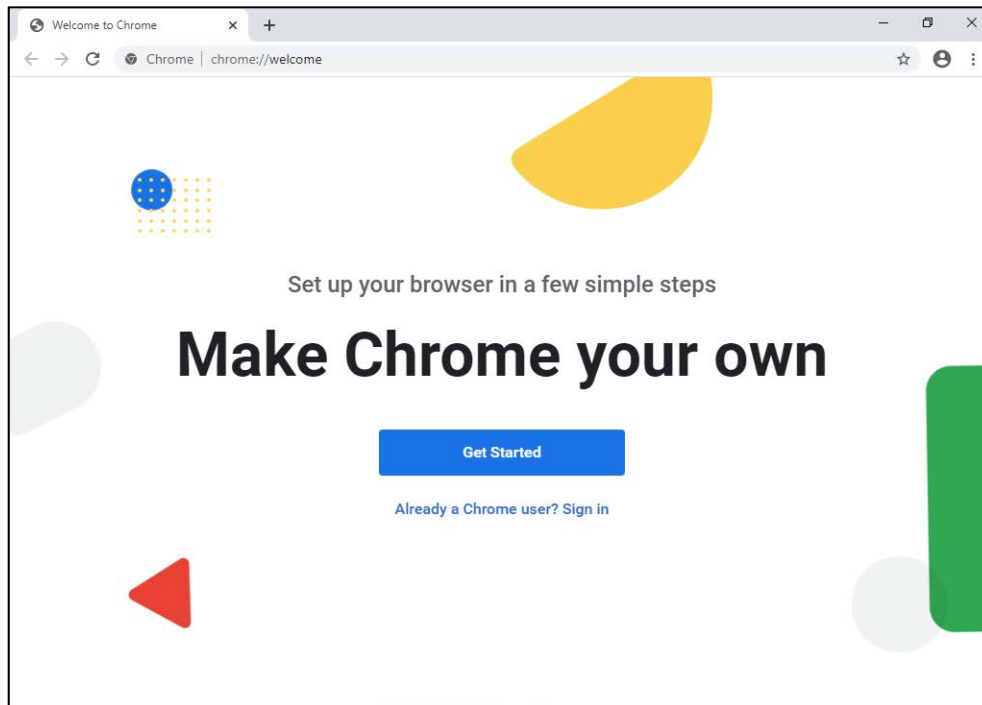
- 1 Log in to the Windows 10 machine using **Salesperson1**. In the VirtualBox toolbar at the top of the screen, click **Devices**. Under **Drag and Drop**, select **Bidirectional**.



- 2 From your host machine, drag the provided **ChromeSetup.exe** file to the Windows 10 VM desktop. Double-click it and choose **Yes** to start the installation process.



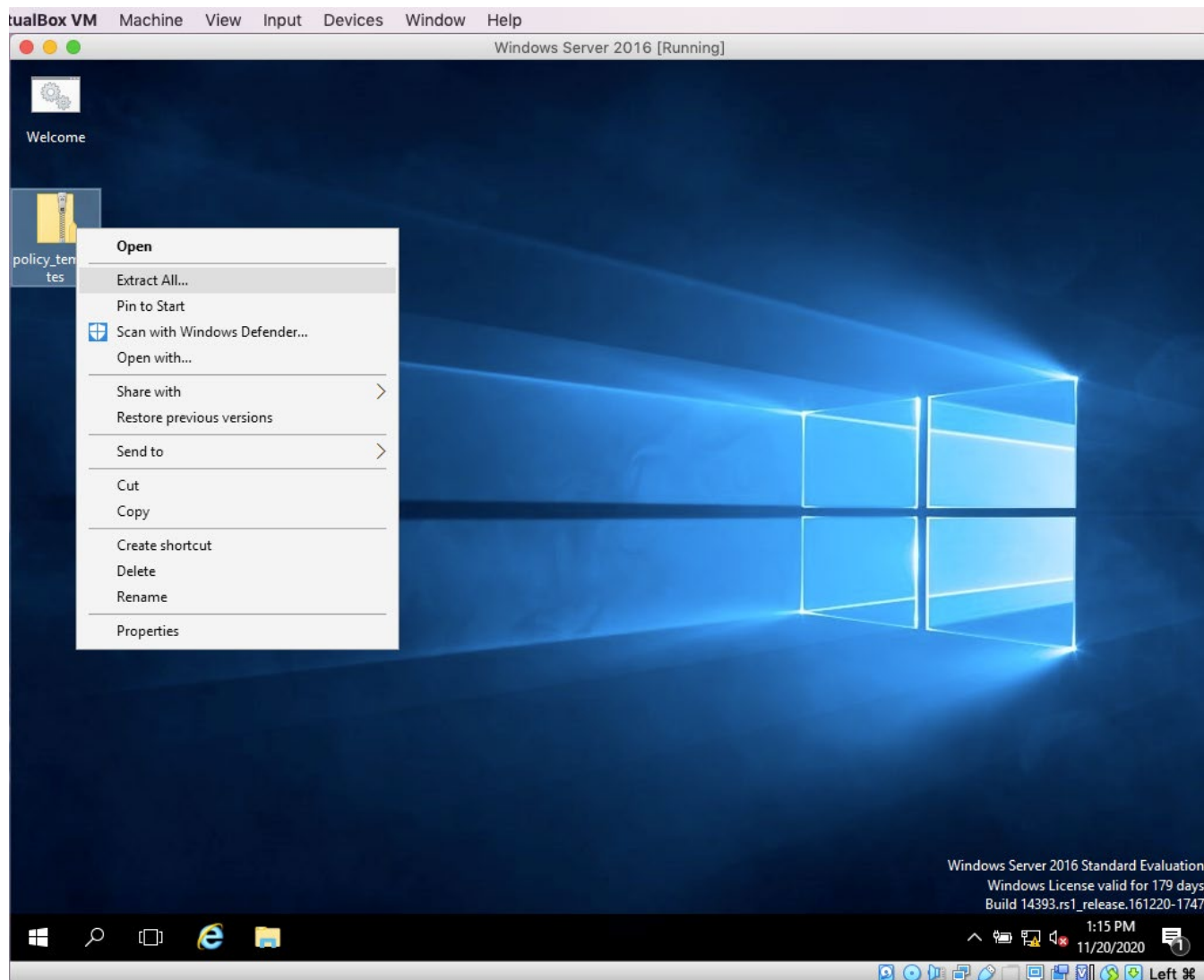
3 Upon completion, a new Chrome window will open.



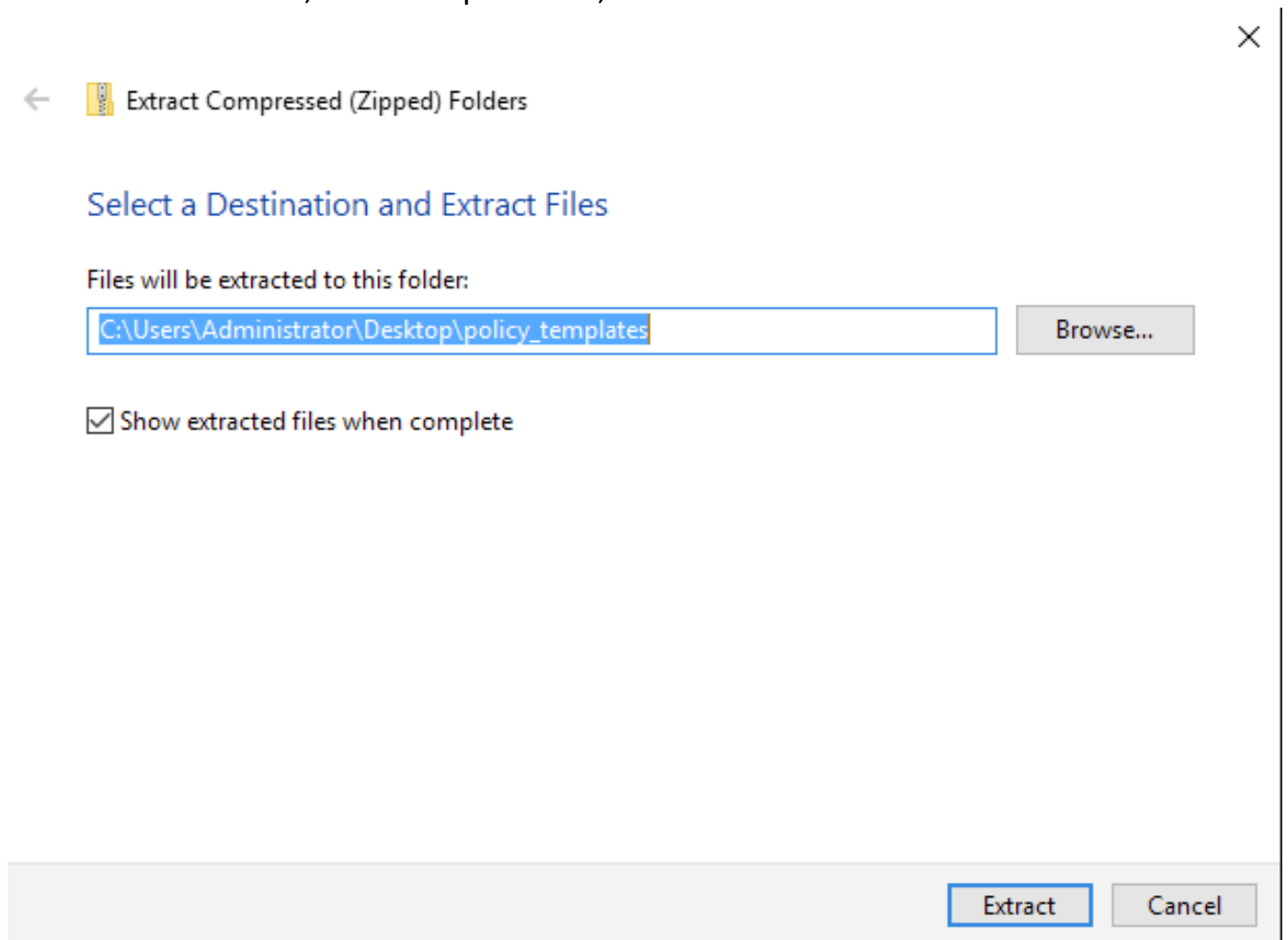
Lab Task 4: Set up Google Chrome Browser Policies

Work with administrative templates and set up Google Chrome Browser policies.

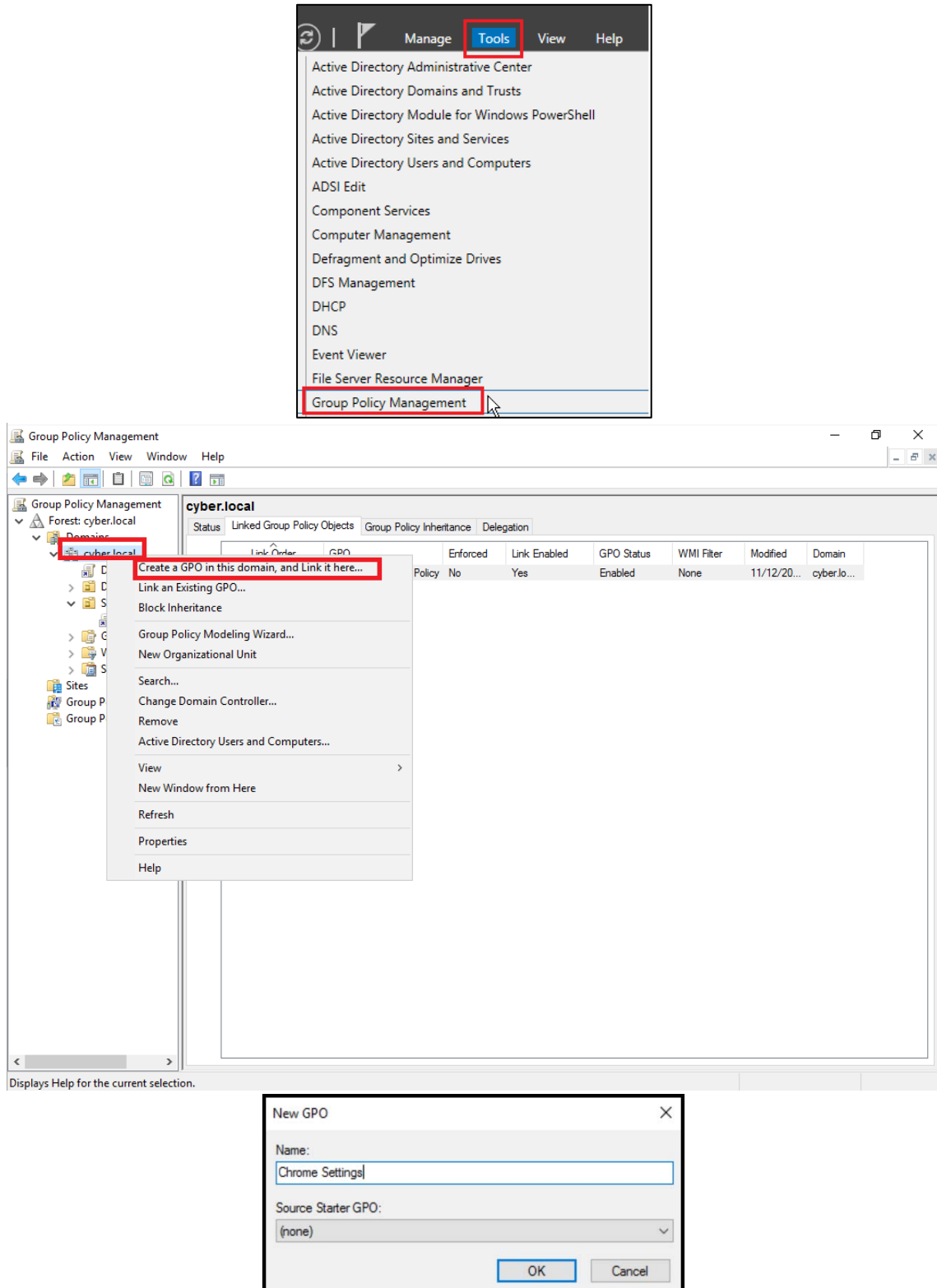
- 1 On your host machine, move the provided ***policy_templates.zip*** file to the previously set shared folder and access the file from Server1. Move it to the desktop and extract its contents (right-click > ***Extract All***).



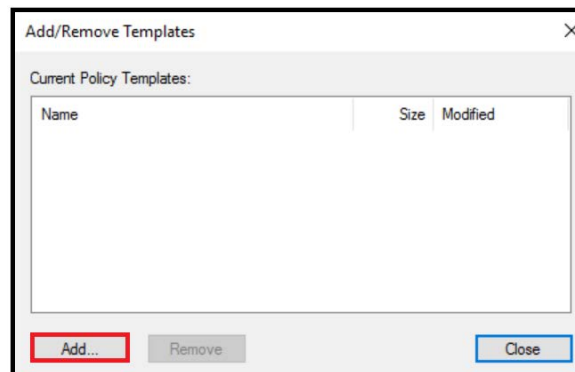
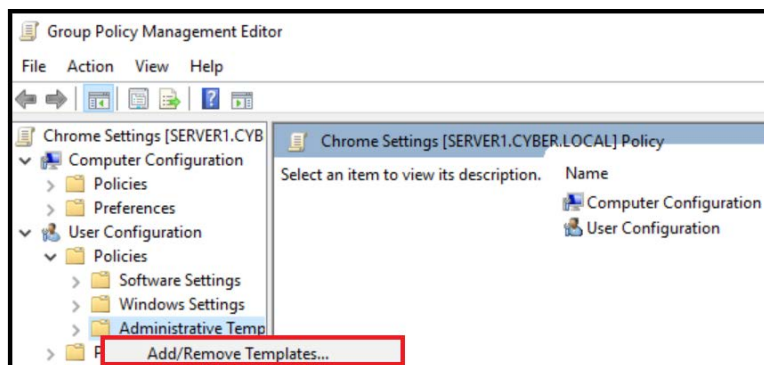
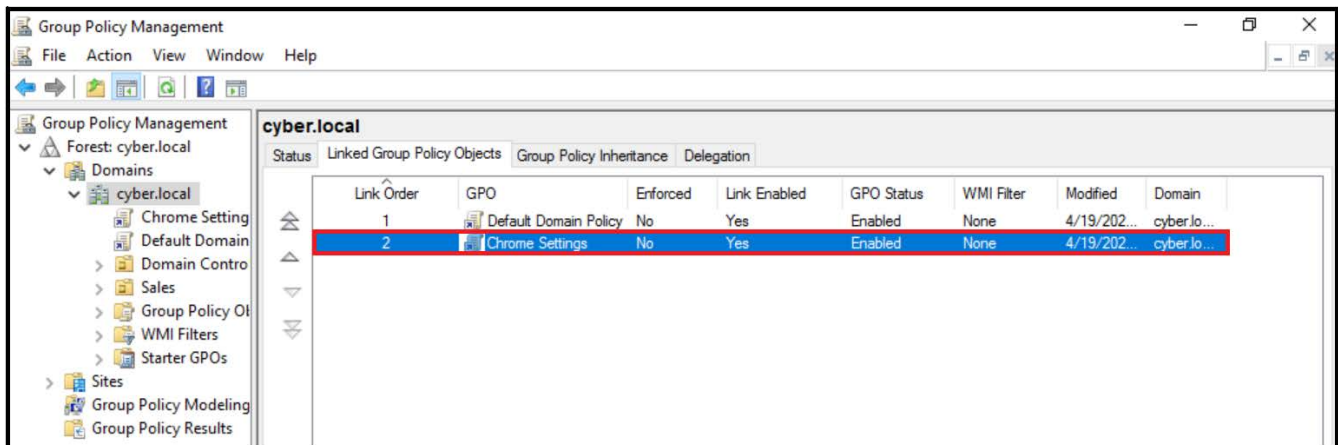
- 2 In the new window, leave the path as is, and click **Extract**.

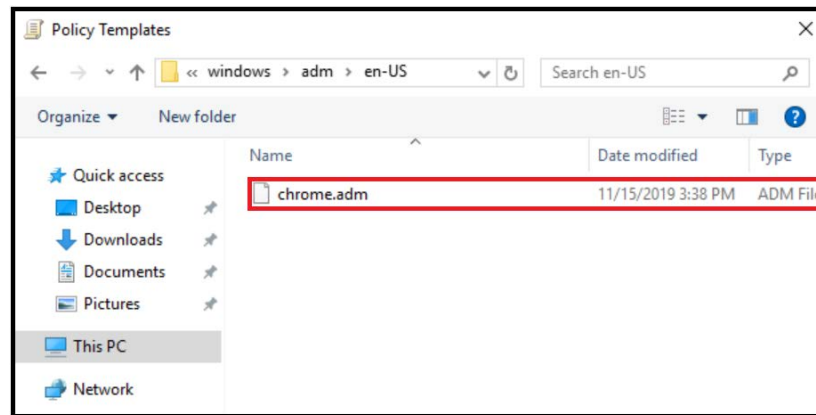


- 3 Using the Server Manager, open the **Group Policy Management** tool and navigate to the **cyber.local** tree. Create and link a new GPO called **Chrome Settings**.

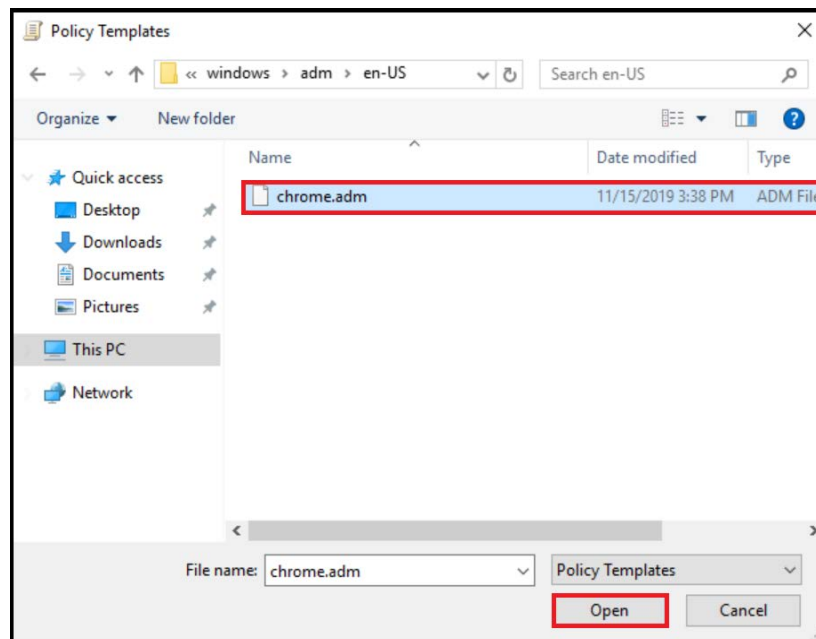


- 4 Right-click the new GPO and select **Edit**. Navigate to **User Configuration > Policies > Administrative Templates**. Right-click **Administrative Templates** and select **Add/Remove Templates**. In the new window, click **Add** and select the **chrome.adm** file from the folder created in Step 2 and found in the following path: **Desktop\policy_templates\windows\adm\en-US**.

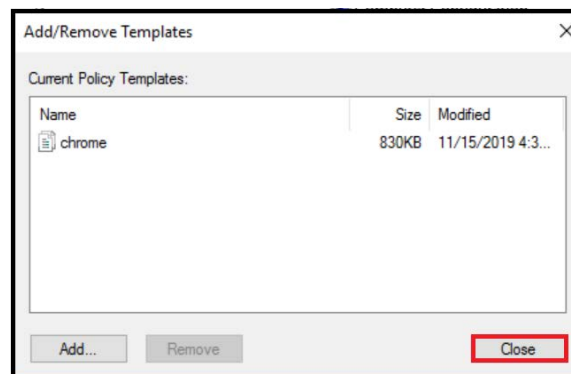




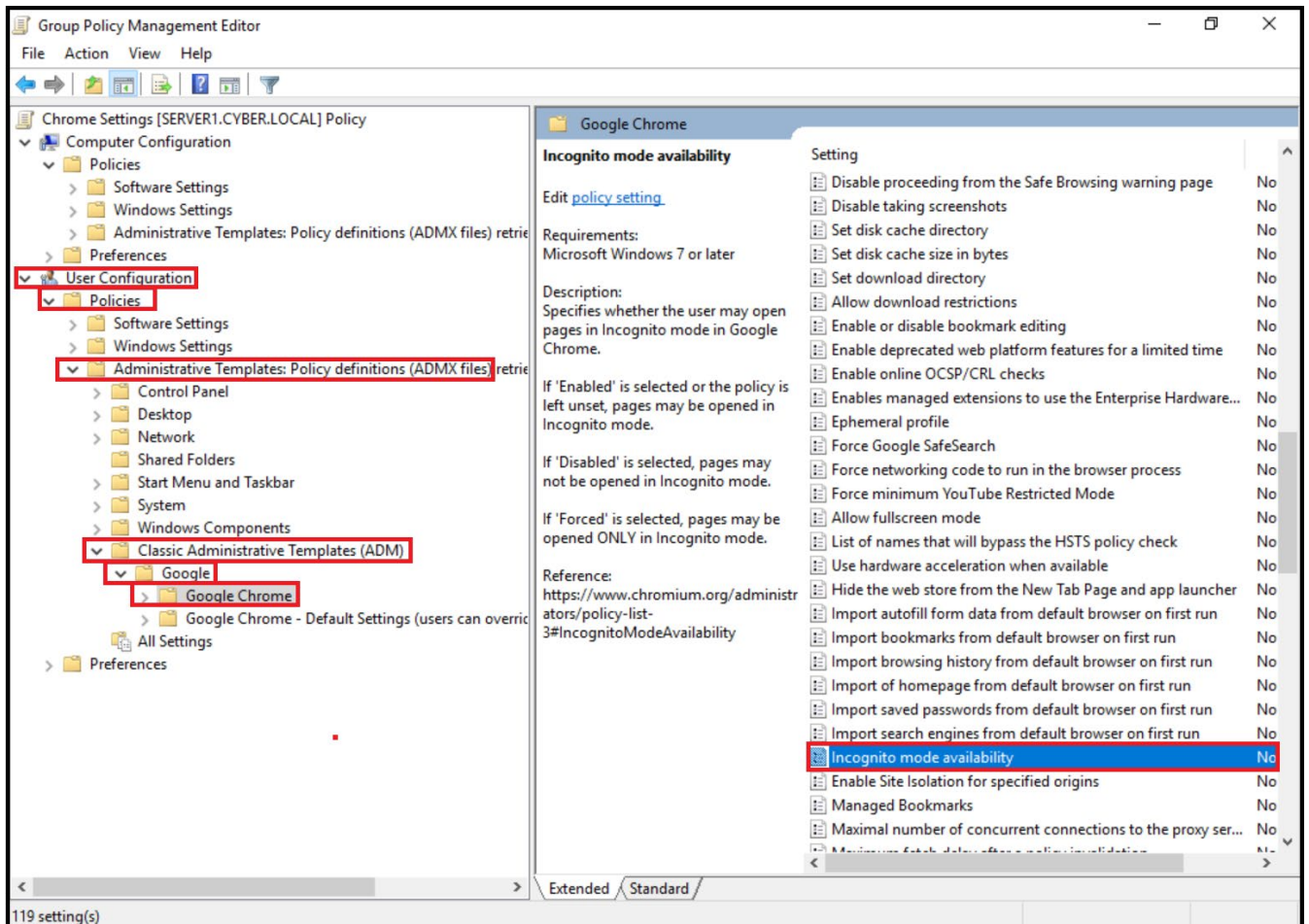
5 Click on the **chrome.adm** file and click **Open**.



6 Verify that the file is now present and click **Close**.



- 7 Navigate to **User Configuration > Policies > Administrative Templates > Classic Administrative Templates (ADM)\Google\Google Chrome** and click it. Look for **Incognito Mode Availability**, select and edit.



8 Make sure to disable **Incognito** mode.

Incognito mode availability

Previous Setting Next Setting

☐ Not Configured Comment:

☒ **Enabled**

☐ Disabled

Supported on: Microsoft Windows 7 or later

Options:

Incognito mode availability

Incognito mode disabled

Help:

Specifies whether the user may open pages in Incognito mode in Google Chrome.

If 'Enabled' is selected or the policy is left unset, pages may be opened in Incognito mode.

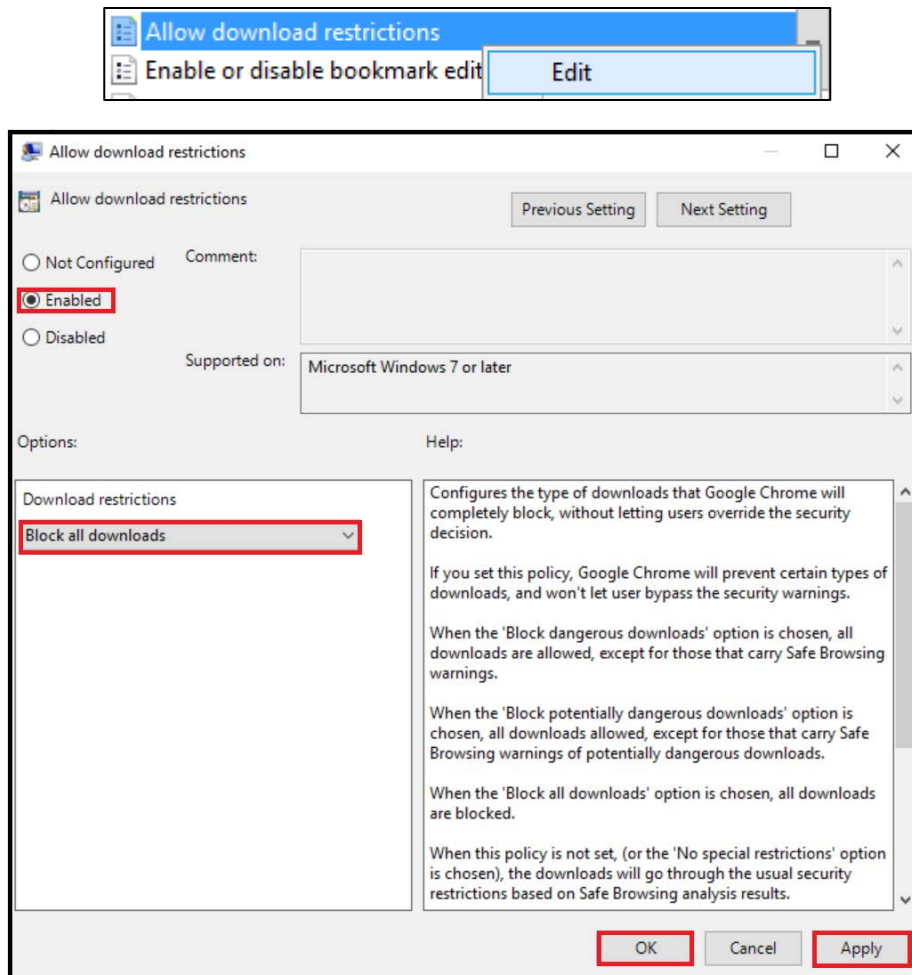
If 'Disabled' is selected, pages may not be opened in Incognito mode.

If 'Forced' is selected, pages may be opened ONLY in Incognito mode.

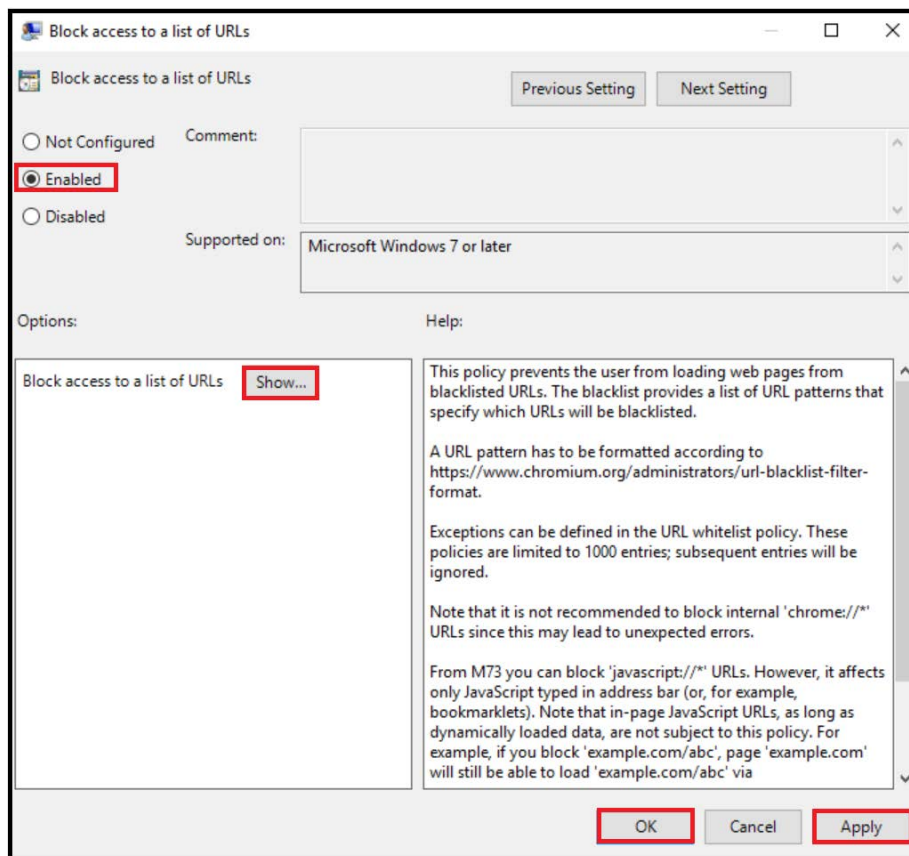
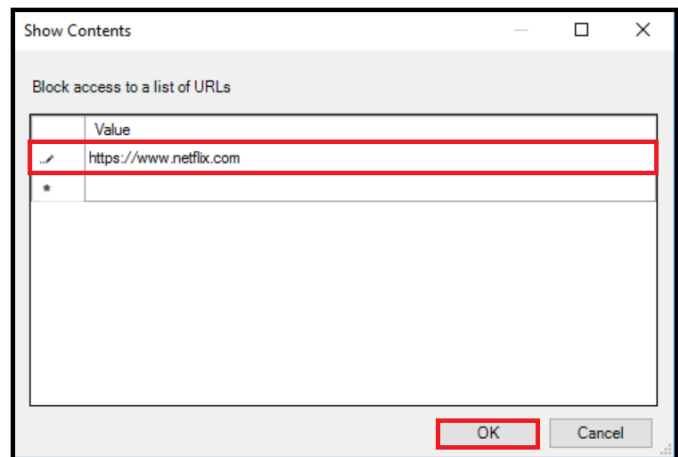
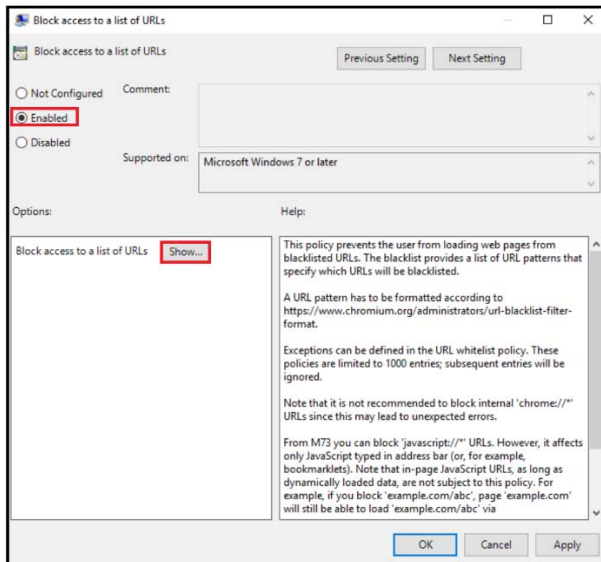
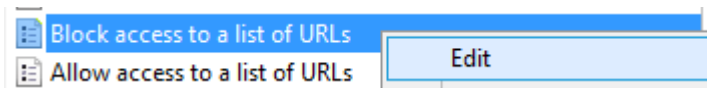
Reference: <https://www.chromium.org/administrators/policy-list-3#IncognitoModeAvailability>

OK Cancel Apply

9 Find the correct setting and block all downloads.



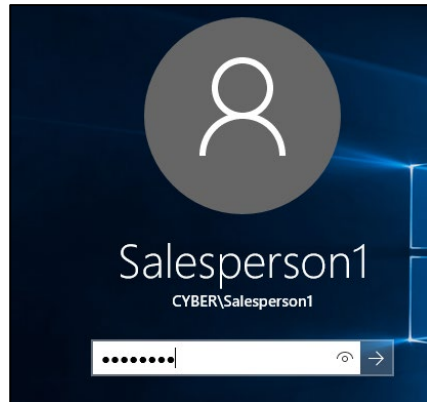
10 Find the correct setting and block access to <https://www.netflix.com>.



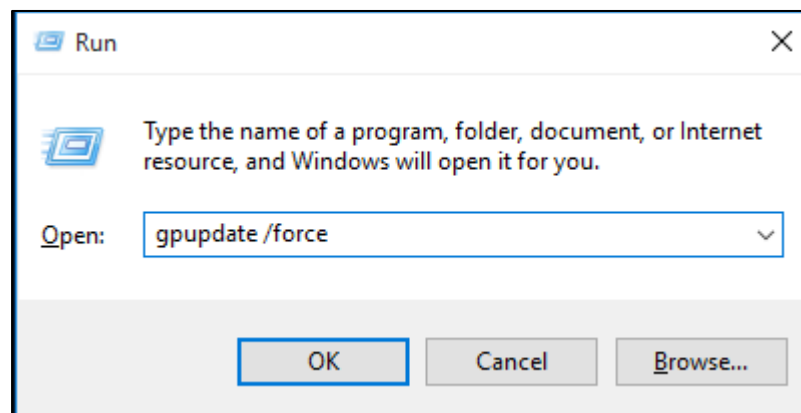
Task 5: Verify Settings on the Client Computer

Verify that the policies were applied.

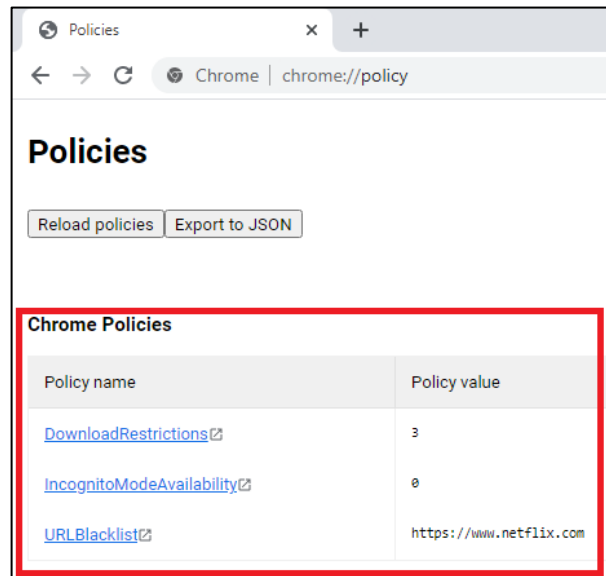
- 1 Log in to the Windows 10 VM as **Salesperson1**.



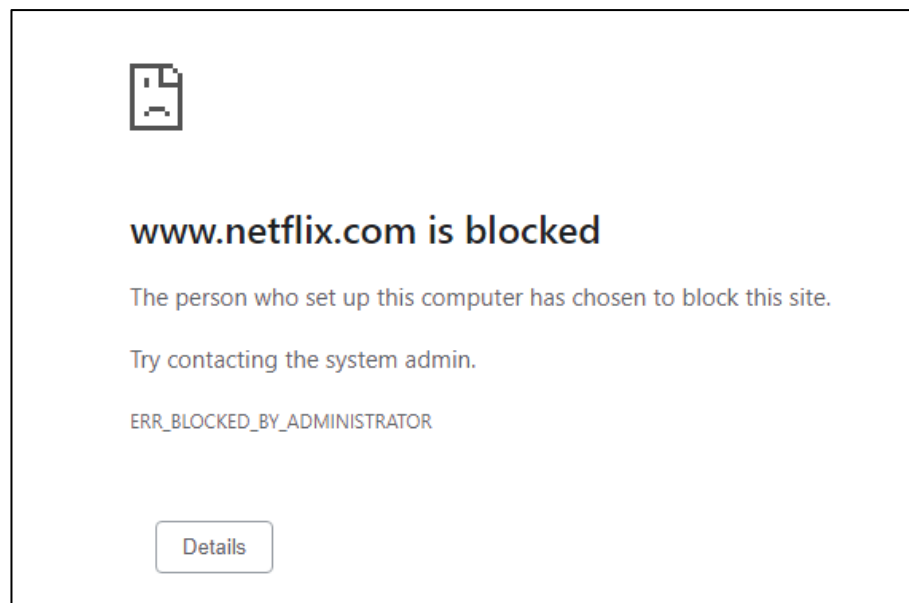
- 2 Press **Winkey+R** and run **gpupdate /force** to update the policies.



- 3 Double-click the Chrome icon and enter the following address in the URL field: **Chrome://policy**. Verify that all policies appear.



- 4 Browse to **https://www.netflix.com** and verify that access is blocked.



- 5 Try to download VirtualBox using the provided link and verify the restriction.
Note: Clicking the download link will not trigger a download.



- 6 Try to open **Incognito** mode via the **Settings** menu (three dots).
Note: The option does not exist.

