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# Lab 3B: Adding and Removing Devices Using the Hardware Wizard

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## Objectives

After completing this lab, you will be able to:

- Use the Hardware Wizard to install Plug and Play devices.
- Use the Hardware Wizard to install non-Plug and Play devices.
- Enable and disable hardware devices by using Device Manager.

## Prerequisites

Before working on this lab, you must have experience logging on and off Microsoft® Windows® XP Professional.

## Lab Setup

To complete this lab, you need a computer running Windows XP Professional configured as a member of the Nwtraders domain.

**Estimated time to complete this lab: 15 minutes**

## Exercise 0

### Lab Setup

| Tasks   | Detailed steps  |
|---|---|
| 1. Log on to the Nwtraders domain as DomAdmin with a password of <b>dompass</b> . | <ul style="list-style-type: none"><li>a. Press CTRL+ALT+DELETE to open the logon screen.</li><li>b. Type <b>DomAdmin</b> in the <b>User Name</b> box.</li><li>c. Type <b>domapass</b> in the <b>Password</b> box, and then click <b>OK</b>.</li></ul> |



## Exercise 1

### Adding Hardware Devices Using the Hardware Wizard

In this exercise, you will use the Hardware Wizard to simulate the installation of a Plug and Play device. You will also use the wizard to install a non-Plug and Play device.

#### Scenario

You are responsible for supporting the users of computers running Windows XP Professional. You have the task of installing a new device in a computer that is running Windows XP Professional.

| Tasks   | Detailed steps   |
|---|--|
| <ol style="list-style-type: none"> <li>1. Add Plug and Play hardware by using the Hardware Wizard. When you reach the page in which the wizard displays that it cannot find any new hardware, click <b>Back</b>.</li> </ol> | <ol style="list-style-type: none"> <li>a. Click <b>Start</b>, right-click <b>My Computer</b>, and then click <b>Properties</b>.</li> <li>b. On the <b>System Properties</b> sheet, click <b>Hardware</b>, and then click <b>Add Hardware Wizard</b>.</li> <li>c. On the <b>Welcome to the Add Hardware Wizard</b> page, click <b>Next</b>.<br/>  <i>The Add New Hardware Wizard begins searching for new Plug and Play devices. The wizard displays a list of the hardware that is installed in your computer. If you have installed a new Plug and Play device it would now be recognized and installed.</i> </li> <li>d. On the <b>Is this hardware connected?</b> page, select <b>Yes, I have already connected this hardware</b>, and then click <b>Next</b>.</li> <li>e. On the <b>Installed Hardware</b> page, select <b>Add a new device</b>, and then click <b>Next</b>.</li> <li>f. On the <b>The Wizard can help you install new hardware</b> page, verify that <b>Search for and automatically install new hardware</b> is selected, and then click <b>Next</b>.<br/>  <i>The Add New Hardware Wizard begins searching for non-Plug and Play hardware. If the wizard detects any new non-Plug and Play hardware it would now be listed.</i> </li> <li>g. On the <b>The wizard did not find any new hardware on your computer</b> page, click <b>Next</b>.</li> <li>h. On the <b>From the list below</b> page, click <b>Back</b>.</li> </ol> |

| Tasks   | Detailed steps  |
|---|---|
| 2. Manually add the non-Plug and Play hardware of a Standard 56000 bps Modem. | <ul style="list-style-type: none"><li>a. On the <b>The Wizard can help you install new hardware</b> page, select <b>Install the hardware that I manually select from a list</b>, and then click <b>Next</b>.</li><li>b. On the <b>Common hardware types</b> page, select <b>Modems</b>, and then click <b>Next</b>.</li><li>c. On the <b>Install New Modem</b> page, select <b>Don't detect my modem; I will select it from a list</b>, and then click <b>Next</b>.</li><li>d. When prompted to select the manufacturer and model of your modem, select <b>(Standard Modem Types)</b> for Manufacturers, select <b>Standard 56000 bps Modem</b> for Model, and then click <b>Next</b>.</li><li>e. When prompted to select the port, verify that <b>Selected Ports</b> is selected, select <b>COM1</b>, and then select <b>Next</b>.</li><li>f. When the <b>Your modem has been set up successfully</b> page appears, click <b>Finish</b>.</li><li>g. Click <b>OK</b> to exit the <b>System Properties</b> sheet.</li><li>h. Log off the computer.</li></ul> |




## Exercise 2

### Disabling, Enabling and Removing Hardware

In this exercise, you will manage hardware. You will use Device Manager to disable, enable, and remove hardware.

#### Scenario

You are responsible for supporting the users of computers running Windows XP Professional. One of the users has a modem that is not responding. As part of your troubleshooting methodology, you will use Device Manager to troubleshoot the problem.

| Tasks   | Detailed steps   |
|---|--|
| 1. Log on as DomAdmin with a password of dompass, and then use Device Manager to disable the Standard 56000 bps Modem that was installed in exercise 1. | <ol style="list-style-type: none"> <li>Log on as <b>DomAdmin</b> with a password of <b>dompass</b>.</li> <li>Click <b>Start</b>, right-click <b>My Computer</b>, and then click <b>Manage</b>.</li> <li>In Computer Management, click <b>Device Manager</b>.</li> <li>Expand <b>Modems</b>.</li> <li>Right-click <b>Standard 56000 bps Modem</b>, and then click <b>Disable</b>.</li> <li>On the <b>Standard 56000 bps Modem</b> dialog box, click <b>Yes</b>.</li> </ol> <p> <i>The <b>Standard 56000 bps Modem</b> icon now has a red X on it, indicating that the device has been disabled.</i></p> |
| 2. Use Device Manager to enable the Standard 56000 bps Modem hardware.  | <ol style="list-style-type: none"> <li>Right-click <b>Standard 56000 bps Modem</b>, and then click <b>Enable</b>.</li> </ol> <p> <i>The red X on the <b>Standard 56000 bps Modem</b> icon has now disappeared, indicating that the device has been enabled.</i></p>   |
| 3. Use Device Manager to remove the Standard 56000 bps Modem hardware.  | <ol style="list-style-type: none"> <li>Right-click <b>Standard 56000 bps Modem</b>, and then click <b>Uninstall</b>.</li> <li>In the <b>Confirm Device Removal</b> dialog box, click <b>OK</b>.</li> </ol> <p> <i>Note that in the details pane, the entry for Standard 56000 bps Modem has been removed, indicating that the device has been removed.</i></p> <ol style="list-style-type: none"> <li>Close Computer Management, and then log off.</li> </ol>   |

