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# Lab 9A: Installing and Configuring Print Services for UNIX

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## Objectives

After completing this lab, you will be able to:

- Install Print Services for UNIX on a computer running Microsoft® Windows® XP Professional.
- Configure an LPR port for printing to an LPD printer.

## Prerequisites

Before working on this lab, you must have:

- Fundamental knowledge about UNIX printing services.
- Experience printing in a Windows environment.

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

## Exercise 0

### Lab Setup

Tasks	Detailed steps
<b>1.</b> Log on to the <b>NWTraders</b> domain as <b>DomAdmin</b> with a password of <b>dcompass</b> .	<ul style="list-style-type: none"><li><b>a.</b> To open the Log On to Windows dialog box, press CTRL+Alt+Del.</li><li><b>b.</b> In the <b>User name</b> box, type <b>DomAdmin</b></li><li><b>c.</b> In the <b>Password</b> box, type <b>dcompass</b></li><li><b>d.</b> Ensure that <b>NWTraders</b> is appears in the <b>Log on to</b> box, and then click <b>OK</b>.</li></ul>


## Exercise 1



### Installing Print Services for UNIX

In this exercise, you will install Print Services for UNIX and configure an LPR printer to print to the instructors LPD print device. You will then use the LPQ command to view the status of your print job.

### Scenario

You are the network administrator for a network that has both Microsoft Windows 2000 Server print servers as well as UNIX print servers. Each computer running Windows XP Professional must be able to print to either environment. To accomplish this goal you must configure the computers running Windows XP Professional to use Print Services for UNIX as well as Microsoft Windows printing.

Tasks	Detailed steps
1. Install Print Services for UNIX.	<ol style="list-style-type: none"> <li>Click <b>Start</b>, and then click <b>Control Panel</b>.</li> <li>In Control Panel, click <b>Add or Remove Programs</b>.</li> <li>Click <b>Add/Remove Windows Components</b>.</li> <li>In the Windows Components Wizard, click <b>Other Network File and Print Services</b>, and then click <b>Details</b>.</li> <li>Select <b>Print Services for Unix</b>, and then click <b>OK</b>.</li> <li>Click <b>Next</b>, and then click <b>Finish</b>.</li> </ol>
 <b>Note:</b> You may be prompted for the Windows XP Professional CD to complete the installation.	
1. (continued)	<ol style="list-style-type: none"> <li>Close <b>Add/Remove Programs</b>.</li> </ol>
2. Configure an LPR port called HPColorL, and configure this printer as an LPR printer that prints to the London.nwtraders.msft LPD and the HPColorL print device.	<ol style="list-style-type: none"> <li>In Control Panel, click <b>Printers and Other Hardware</b>, and then click <b>Printers and Faxes</b>.</li> <li>To start the Add Printer Wizard, under <b>Printer Tasks</b>, click <b>Add a printer</b>.</li> <li>In the Add Printer Wizard, click <b>Next</b>, clear the <b>Automatically detect and install my Plug and Play printer</b> check box, and then click <b>Next</b>.</li> <li>Select <b>Create a new port</b>.</li> <li>In the <b>Type of port</b> box, select <b>LPR Port</b>, and then click <b>Next</b>.</li> <li>In the <b>Name or address of server providing lpd</b> box, type <b>London</b>.</li> <li>In the <b>Name of Printer or Print queue on that server</b> box, type <b>HPcolorL</b>, and then click <b>OK</b>.</li> <li>In the <b>Install Printer Software</b> dialog box, select <b>HP</b> for the Manufacture, and <b>HP Color LaserJet 5M</b> for the Printer, and then click <b>Next</b>.</li> <li>Click <b>Next</b> twice, and then in the Print Test page dialog box click <b>No</b>, click <b>Next</b>, and then click <b>Finish</b>.</li> </ol>

Tasks	Detailed steps
3. Send a print job to the instructors LPD print device called HPColorL on the London computer using your LPR printer.	<ul style="list-style-type: none"><li>a. Open Notepad, and then type <b>LPR test doc</b></li><li>b. Click <b>File</b>, click <b>Print</b>, and then click <b>Print</b> again.</li><li>c. Exit <b>Notepad</b> without saving changes.</li></ul>
4. View the status of your print job using the LPQ command with the verbose switch.	<ul style="list-style-type: none"><li>a. Click <b>Start</b>, and then click <b>Run</b>.</li><li>b. In the open dialog box type <b>cmd</b>, and then press ENTER.</li><li>c. At the command prompt type <b>lpq -Slondon -Phpcolorl -l</b>  <i>Notice that you can see other students' print jobs as well.</i></li><li>d. Type <b>exit</b>, and then press ENTER.</li></ul>
 Inform the instructor when you have completed this lab. The instructor needs to delete all of the pending print jobs from the London computer. If the print jobs are not deleted errors may occur in future labs of this course.	