12.2.2 Lab: Advanced Installation of Windows XP

Introduction

Print and complete this lab.

In this lab, you will install a Windows XP operating system by using an answer file for automation. You will customize partition settings and create an administrative user and limited users.

Recommended Equipment

The following equipment is required for this exercise:

- A computer with a new installation of Windows XP
- Windows XP installation media
- A blank, formatted floppy disk

Step 1

Log on to the computer.

Insert the Windows XP Professional CD in the CD-ROM drive.

Click Perform additional tasks.

& Welcome to Microsoft Windows XP
🔠 Welcome to Microsoft Windows XP
📷 What do you want to do?
→ Install Windows XP
Learn more about the setup process
Install optional Windows components
Perform additional tasks
<u>C</u> heck system compatibility
Exit

Click Browse this CD.

🐱 Welcome to Microsoft Windows XP	
🎥 Welcome to	Microsoft Windows XP
<u></u> w	hat do you want to do?
Ð	Set up <u>R</u> emote Desktop Connection
Ð	Set up a home or small office network
Ð	<u>T</u> ransfer files and settings
Ð	Browse this <u>C</u> D
Ð	<u>V</u> iew the release notes
Ð	Install .NET <u>F</u> ramework
	<u>B</u> ack
⊠ E <u>x</u> it	

Double-click the **Support** folder.

Double-click the **Tools** folder.

Double-click **Deploy.CAB**.

Highlight all of the files by clicking **Edit > Select All**.

Right-click setupmgr.exe and then click Extract.

Click Make New Folder to create a folder on the C: drive.

Name the folder "Deploy".

Click **Extract** to extract the files from the CD to C:\Deploy.

Browse to C:\Deploy.

Double-click setupmgr.exe.

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Contract Con

Step 4

The "Setup Manager" window appears.

Click Next.

🐞 Setup Manager	
R	Welcome to Setup Manager
	Setup Manager helps you prepare the configuration set and answer file to automate the preinstallation of Windows on your destination computers.
6	
	To continue, click Next.
	< <u>B</u> ack [<u>Next</u> >] Cancel

The Create new button should be checked by default.

Click Next.

🐱 Setup Manager 🛛 🗙
New or Existing Answer File An answer file tells Setup how to install and configure Windows.
An answer file is a script that provides answers to the questions or options presented during Windows Setup. For example, if your answer file provides an answer to the "Select a time zone" prompt, that page will not be shown to the end user during Setup.
Create new
C Modify existing
Enter the path and file name of the answer file:
Browse
< <u>B</u> ack <u>N</u> ext > Cancel

Click the **Unattended setup** radio button.

Note that a CD-based answer file name must be Winnt.sif.

🐻 Setup Manager 🛛 🗙
Type of Setup The type of setup you choose determines the name and format of the resulting answer file.
 The answer file you create will either be Unattend.txt, Sysprep.inf, or a .sif file. Choose a type of setup: Inattended setup: Inattended setup: The answer file for Setup is commonly called Unattend.txt, but for a CD-based setup, the answer file must be named Winnt.sif. Sysprep setup Sysprep.inf is an optional answer file that can be used to automate a setup mode called Mini-Setup. Remote Installation Services (RIS) This type of setup allows the end user to set up Windows from a Remote Installation Server. Setup Manager creates a .sif file.
< <u>B</u> ack <u>N</u> ext > Cancel

Click the Windows XP Professional radio button, and then click Next.

🐻 Setup Manager 🛛 🗙
Product Which Windows product will be installed using this answer file?
Select a Windows product:
○ Windows XP <u>H</u> ome Edition
Windows XP Professional
C Windows Server 2003, Standard Edition
C Windows Server 2003, Enterprise Edition
◯ Windows Server 2003, <u>W</u> eb Edition
< <u>B</u> ack <u>N</u> ext> Cancel

Click the Fully automated radio button, and then click Next.

🐻 Setup Manager 🛛 🔀
User Interaction Select the type of user interaction you want.
C User controlled
You provide default options in the answer file, and the end user can change any of them.
Fully automated
You provide all required answers in the answer file, and the end user is not prompted for them.
C <u>H</u> idden pages
You provide answers for setup pages that are hidden from the end user.
C Read only
You provide all required answers in the answer file. The end user can see the options but cannot change them.
C <u>G</u> UI attended
Only the text-mode portion of Setup is automated. The GUI portion of Setup runs normally, prompting the end user at each page.
< <u>B</u> ack <u>N</u> ext > Cancel

Click the Set up from a CD radio button, and then click Next.

🐻 Setup Manager 🛛 🗙
Distribution Share The distribution share contains the OPK tools, the Windows files, and your configuration sets.
Setup Manager can create a distribution share on your computer or network with the required Windows source files. You can then add files to further customize your installations. For example, you can supply additional device drivers.
What would you like to do?
C Create a new distribution share
○ Modify an existing distribution share
 Set up from a CD
< <u>B</u> ack <u>N</u> ext > Cancel

Click the I accept the terms of the License Agreement checkbox, and then click Next.

🐱 Setup Manager 🛛 🔀	
License Agreement Do you accept the terms of the License Agreement for Windows?	
You chose to fully automate the installation of Windows. To use this option, you must accept the terms of the End User License Agreement (EULA) and any Microsoft license agreements you have for the version of Windows you want to install.	
For more information about the EULA, consult your documentation or your Microsoft license agreement.	
To continue with Setup Manager, select the following check box, and then click Next.	
I accept the terms of the License Agreement	
< <u>B</u> ack <u>N</u> ext > Cancel	

Click Name and Organization in the list on the left.

Type the name and the organization name provided by your instructor.

Click Next.

🐻 Setup Manager	
<u>F</u> ile <u>H</u> elp	
General Settings Name and Organization Display Settings Time Zone Product Key Network Settings Computer Names Administrator Password Networking Components Workgroup or Domain	Name and Organization You can customize Windows Setup by providing a default name and organization. Type the default name and organization you want to use. If you leave these boxes blank, the name and organization will not be specified in the answer file, and the end user will be prompted to enter the information during Windows Setup. Name: Bob Orappication Disco.
 Workgloup of Domain Advanced Settings Telephony Regional Settings Languages Browser and Shell Settings Installation Folder Install Printers Run Once Additional Commands 	On the left side of this page, the steps of Setup Manager are shown for your information. The highlighted step is your current position. You can move to any step in Setup Manager by clicking that step in the list.

Click **Time Zone** in the list on the left.

Click the time zone for your location from the "Time zone:" drop-down box, and then click **Next.**

🐞 Setup Manager	
<u>File H</u> elp	
 General Settings Name and Organization Display Settings Time Zone Product Key Network Settings Computer Names Administrator Password Networking Components Workgroup or Domain Advanced Settings Telephony Regional Settings Installation Folder Install Printers Run Once Additional Commands 	Time Zone Windows will be set up with the time zone setting you specify. Select a time zone for the destination computers. If you do not select a specific time zone setting, the following default time zone is used: (GMT -08:00) Pacific Time (US & Canada): Tijuana Time zone: (GMT-06:00) Central Time (US & Canada) ▼

Highlight **Product Key** in the list on the left.

Type the Windows XP Professional product key supplied by your instructor in the "Product Key:" fields.

Click Next.

🐻 Setup Manager	
<u>File H</u> elp	
General Settings Name and Organization Display Settings Time Zone Product Key Network Settings Computer Names Administrator Password Networking Components Workgroup or Domain Advanced Settings Telephony Regional Settings Languages Browser and Shell Settings Install Printers Run Once Additional Commands	Product Key The Product Key identifies your copy of Windows. Type a Product Key for the destination computers. You need a separate license for each copy of Windows you install. The Product Key you specify must match the Product Key provided to you by Microsoft Licensing, Inc., as it appears on the certificate of authenticity (COA) label on the destination computer. Product Key: 12345 – [67890 - [ABCDE – [FGHJ] - [KLMNO

Click **Computer Names** in the list on the left.

Type the computer name provided by your instructor in the "Computer name:" field, and then click **Add**.

The computer name will then display in the "Computers to be installed:" field.

Click Next.

🐻 Setup Manager	
<u>File H</u> elp	
General Settings Name and Organization Display Settings Time Zone Product Key Network Settings Computer Names Administrator Password Networking Components Workgroup or Domain dvanced Settings Telephony Regional Settings Languages Browser and Shell Settings Installation Folder	Computer Names Each computer on a network must have a unique identifier. Type a name for each destination computer (15 characters maximum), and then click Add. To import computer names from a text file (one computer name per line), click Import. Computer name: Computer1 Add Computers to be installed: Import Bemove
- Run Once - Additional Commands	 Automatically generate computer names based on the organization name specified on the Name and Organization page
	< <u>B</u> ack <u>N</u> ext> Cancel

Click Administrative Password in the list on the left.

Type your first initial of your first name and your complete last name in the "Password:" and "Confirm password:" fields. (For example, jsmith)

Click Next.

🐻 Setup Manager	
<u>File H</u> elp	
General Settings Name and Organization Display Settings Time Zone Product Key Network Settings Computer Names Administrator Password Networking Components Workgroup or Domain Advanced Settings Telephony Regional Settings Installation Folder Installation Folder Install Printers Run Once Additional Commands	Administrator Password You can specify a password for the Administrator account on all destination computers. If you keep a record of the password you choose, help desk technicians or network administrators can change settings when needed. Prompt the end user for an Administrator password If you keep a record of the password you choose, help desk technicians or network administrators can change settings when needed. Prompt the end user for an Administrator password If you keep a record of the password (127 characters maximum; case-sensitive): Password:
,	

Click Workgroup or Domain in the list on the left.

Click the Workgroup radio button.

Type the Workgroup name LabGroup1 in the "Workgroup:" field, and then click Next.

🐻 Setup Manager	
<u>File H</u> elp	
General Settings — Name and Organization — Display Settings	Workgroup or Domain The destination computers may belong to either a workgroup or a domain.
- Time Zone	How will the destination computers participate in a network?
Product Key	Workgroup: LabBroup1
Computer Names	
- Administrator Password	O <u>D</u> omain: DOMAIN
- Networking Components	Create a computer account in the domain
- Advanced Settings	Specify a user account that has permission to add a computer to the domain.
- Telephony Regional Settings	User name:
Languages Browner and Shell Settings	Pas <u>s</u> word:
- Installation Folder	Confirm password:
Run Once Additional Commands	If you specify a domain but don't set up a user account, the end user will be prompted for a valid user name and password the first time the computer logs on to the domain after Windows Setup.
	< Back Next > Cancel
1	

🐻 Setup Manager	
<u>File H</u> elp	
 General Settings Name and Organization Display Settings Time Zone Product Key Network Settings Computer Names Administrator Password Networking Components Workgroup or Domain Advanced Settings Telephony Regional Settings Languages Browser and Shell Settings Installation Folder Install Printers Run Once Additional Commands 	Additional Commands You can add commands that will automatically run at the end of unattended Setup. You can run any command that does not require you to be logged on. Type the command in the box below, and then click Add. Command to add: Quertical address Run these commands: Bernove Move Up Move Up Move Down To specify commands to run the first time an end user logs on, use the Run Once page of Setup Manager.
	< <u>B</u> ack Finish Cancel

Click Additional Commands in the list on the left, and then click Finish.

Type "C:\Deploy\unattend.txt" in the "Path and file name:" field if it is not already displayed.

Click OK.

🐻 Setup Manager	
Setup Manager has created an answer file with the settings you provide file, enter a path and file name.	:d. To save the
<u>P</u> ath and file name:	
C:\Deploy\unattend.txt	B <u>r</u> owse
If multiple computer names were specified, Setup Manager also created Depending upon the type of answer file created, Setup Manager might created a sample .bat script.	a .udb file. also have
OK	Cancel

Click File > Exit.



Step 5

Browse to "C:\Deploy".

Right-click **unattend.txt**, and then click **copy**.

Browse to "A:\".

Click File > Paste.

Right-click unattend.txt, and then click rename.

Type Winnt.sif as the new file name, and press Enter.

Copy unattend.bat to the floppy disk.

Remove the floppy disk from the floppy drive.

Click Start > Turn Off Computer.

Click Restart.

When the "Press Any Key to Boot from CD" message appears, press any key on the keyboard. Insert the floppy disk. The system will inspect the hardware configuration.



The Windows XP Setup screen appears while the program loads the necessary files.



The Welcome to Setup screen appears. Press Enter.



The "Windows XP Licensing Agreement" screen appears.

Press F8.

Windows XP Licensing Agreement
Microsoft(r) Windows(r) XP Professional
END-USER LICENSE AGREEMENT
<pre>IMPORTANT-READ CAREFULLY: This End-User License Agreement ("EULA") is a legal agreement between you (either an individual or a single legal entity) and the manufacturer ("Manufacturer") of the computer system or computer system component ("HARDWARE") with which you acquired the Microsoft software product(s) identified above ("SOFTWARE"). The SOFTWARE includes Microsoft computer software, and may include associated media, printed materials, "online," or electronic documentation and Internet based services. Note, however, that any software, documentation, or web services that are included in the SOFTWARE, or accessible via the SOFTWARE, and are accompanied by their own license agreements or terms of use are governed by such agreements rather than this EULA. The terms of a printed, paper EULA, which may accompany the SOFTWARE, supersede the terms of any on-screen EULA. This EULA is valid and grants the end-user rights ONLY if the SOFTWARE is genuine and a genuine Certificate of Authenticity for the SOFTWARE is included. For more information on identifying whether your software is genuine, please see http://www.microsoft.com/piracy/howtotell. By installing, copying, downloading, accessing or otherwise using the SOFTWARE, you agree to be bound by the terms of this EULA.</pre>
F8=I agree ESC=I do not agree PAGE DOWN=Next Page

Windows XP Professional Setup will search to determine if another operating system already exists on the hard drive.

Windows XP Professional Set	up
Searching for previous ver	sions of Microsoft Windows

Press ESC.

Windows XP Professional Setup	
If one of the following Windows XP installations is damaged, Setup can try to repair it.	
Use the UP and DOWN ARROW keys to select an installation.	
 To repair the selected Windows XP installation, press R. 	
 To continue installing a fresh copy of Windows XP without repairing, press ESC. 	
C:\WINDOWS "Microsoft Windows XP Professional"	
F3=Quit R=Repair ESC=Don't Repair	

Press the **D** key.

Windows XP Professional Setup	
The following list shows the existing partitions and unpartitioned space on this computer.	
Use the UP and DOWN ARROW keys to select an item in the list.	
 To set up Windows XP on the selected item, press ENTER. 	
 To create a partition in the unpartitioned space, press C. 	
• To delete the selected partition, press D.	
16379 MB Disk 0 at Id 0 on bus 0 on atapi [MBR]	
C: Partition1 [NTFS] 16371 MB (15787 MB free) Unpartitioned space 8 MB	•
ENTED-Install D-Delete Partition P2-Ouit	
EMIEN-INSTALL D-DELETE FARTILION F3-QUIT	

Press Enter.



Press the L key.



Press the C key.

Windows XP Professional Setup
The following list shows the existing partitions and unpartitioned space on this computer.
Use the UP and DOWN ARROW keys to select an item in the list.
 To set up Windows XP on the selected item, press ENTER.
 To create a partition in the unpartitioned space, press C.
• To delete the selected partition, press D.
16379 MB Disk Ø at Id Ø on bus Ø on atapi [MBR]
Unpartitioned space 16379 MB
ENTER=Install C=Create Partition F3=Quit

Type **5000** in the "Create partition of size (in MB):" field.

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Press the Enter key.
```

Windows XP Professional Setup
You asked Setup to create a new partition on 16379 MB Disk Ø at Id Ø on bus Ø on atapi [MBR].
 To create the new partition, enter a size below and press ENTER.
 To go back to the previous screen without creating the partition, press ESC.
The minimum size for the new partition is 8 megabytes (MB). The maximum size for the new partit <u>ion is 11</u> 374 megabytes (MB). Create partition of size (in MB): <mark>5000</mark>
ENTER=Create ESC=Cancel

Press the down arrow key to select "Unpartitioned space".

Press the **C** key.

Create another partition of 5000 MB.

Repeat this process one more time. You will have three partitions of 5000 MB each.



Select C: Partition1 and press the Enter key.

Windows XP Professional Setup	
The following list shows the existing part unpartitioned space on this computer.	itions and
Use the UP and DOWN ARROW keys to select a	n item in the list.
 To set up Windows XP on the selected 	item, press ENTER.
• To create a partition in the unparti	tioned space, press C.
• To delete the selected partition, pr	ess D.
16379 MB Disk 0 at Id 0 on bus 0 on atapi	EMBR J
C: Partition1 [New (Raw)]	4997 MB (4996 MB free)
F: Partition2 [New (Raw)]	4997 MB (4996 MB free) 4997 MB (4996 MB free)
Unpartitioned space Unpartitioned space	1381 MB 8 MB
ENTER=Install D=Delete Partition F3=Quit	

Select "Format the partition using the NTFS file system".

Do not select ""Format the partition using the NTFS file system <Quick>".

Press the Enter key.

Windows XP Professional Setup
A new partition for Windows XP has been created on
16379 MB Disk 0 at Id 0 on bus 0 on atapi [MBR].
This partition must now be formatted.
From the list below, select a file system for the new partition. Use the UP and DOWN ARROW keys to select the file system you want, and then press ENTER.
If you want to select a different partition for Windows XP, press ESC.
Format the partition using the NTFS file system (Quick) Format the partition using the FAI file system (Quick) Format the partition using the NTFS file system Format the partition using the FAI file system
ENTER=Continue ESC=Cancel

The "Please wait while Setup formats the partition" screen appears.



The system will restart automatically.

After the system restarts, the message "Press Any Key to Boot from CD" appears.

Do not press any keys.

The installation should continue without prompting you for any settings.

The system will restart automatically.

After the system restarts, the message "Press Any Key to Boot from CD" appears.

Do not press any keys.

The "Welcome to Microsoft Windows" screen appears.

Click Next.



Click the Help protect my PC by turning on Automatic Updates now radio button.

Click Next.



Click the Yes, this computer will connect through the local area network or home **network** radio button.

Click Next.

Windows ^{xp}	
Will this computer connect to directly, or through a network	the Internet ?
You can set up this computer to connect to the Internet directly, or through a net either case, Windows Firewall helps protect your computer from unauthorized a	work of connected computers, if you have one. In ccess over the Internet.
Will this computer connect to the Internet through a network?	
Yes, this computer will connect through a local area network or home net	
No, this computer will connect directly to the Internet	
If you're not sure whether your computer is on a network, select No above. You o setting up Windows. Just click Control Panel on the Start menu, and then click	can always change this option after you finish Network and Internet Connections.
If you don't want this computer to connect to the Internet now, click Skip.	
	⊳
	For help, click here or press F1.
€ Back	<u>S</u> kip D ext 🔁

Click the No, not at this time radio button, and then click Next.

Windows ^{xp}			
Ready to register with Microsoft?			
Register online with Microsoft, and we'll notify you of new products, product updates, events, promotions, and special offers that you may be interested in. Registration is optional.			
Are you ready to register online with Microsoft? Yes, I'd like to register with Microsoft now No, not at this time			
Microsoft is committed to protecting your privacy and does not Show me <u>the Windows Registration Privacy Statement</u> .	share your information.		
	X		
	For help, click here or press F1.		
Back	Next		

Type the name provided by your instructor in the "Your name:" field.

Click Next.

🐉 🕷 Windows XP					
Who will use this computer?					
Type the name of each persor can personalize the way you w customize the desktop.	who will use this computer. Windows will create a separate user account for each person so you int Windows to organize and display information, protect your files and computer settings, and				
	Bob				
These names will appear on click your name on the Welco each user, or add more user Start menu, and then click Us	he Welcome screen in alphabetical order. When you start Windows, simply he screen to begin. If you want to set passwords and limit permissions for ccounts after you finish setting up Windows, just click Control Panel on the er Accounts .				
	For help, click bere or press F1.				
Eack	Next 🛃				

The "Thank you!" screen appears.

Click Finish.



The "Windows XP Professional" desktop appears.

Click Start	>	Control	Panel.
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Step 10

Click User Accounts.



B 0 😫 User Accounts 🕤 😫 Home Э G 🝓 🔵 User Accounts Learn About hhA Go ? User accounts 🕐 User account types 1. Switching users Pick a task... b or pick an account to change 🛃 start 🔰 🥵 Control Panel 😫 User Accounts

Click **Create a new account** from the "Pick a task..." list.

Type the name provided by your instructor in the "Type a name for the new account:" field.

Click Next.

Co	Accounts			
G G Back	🚫 😫 Home			
Addre S		Name the new a Type a name for the new account: Samantha This name will appear on the Welco	Assign the account	Next > Cancel name that you chose and then proceed t creation step.
🛃 start	🚱 Control Panel	4 User Accounts		🔍 🧐 7:25 PM

Click the Limited radio button.

Click Create Account.



The "User Accounts" window appears.



Create a second limited user. Your instructor will provide the name of the user.

What was the name of the file used to automate the installation located on the floppy disk?

How do you think automating the installation will help the IT Department if they have to repeat the procedure on 100 computers?