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1. Create client OS, 1 Windows XP (LASTNAME-XP), and 1 Windows 7(LASTNAME-WIN7)

- 2. Connect the two (2) client OS to your Windows Server Domain USING DHCP.
 - WINDOW 7 IP ADDRESS MUST BELONG TO CLASS A NETWORK
 - WINDOW XP IP ADDRESS MUST BELONG TO CLASS B NETWORK

3. LOGIN 5 student accounts per section per OS

Setting Up a Virtual Network with Windows XP, Windows 7, and Domain Integration

This guide outlines the steps to create a virtual network environment with Windows XP and Windows 7 clients connected to a Windows Server domain using DHCP.

Requirements:

Installation media for Windows XP and Windows 7

Oracle VirtualBox

Windows Server 2008 with Active Directory and DHCP services configured

Steps:

Create Client VMs:

Install Windows XP and Windows 7 on separate virtual machines using the provided media.

During installation, set usernames as LASTNAME-XP for XP and LASTNAME-WIN7 for Windows 7.

Configure Internal Network:

In VirtualBox settings for each VM, attach the network adapter to the "Internal Network" named "intnet".

Connect Clients to Domain:

Ensure your Windows Server is configured as a DHCP server.

On each client VM:

Set network adapter to obtain IP address automatically (DHCP).

Restart the VM.

Verify IP address is assigned by the DHCP server.

Open "System Properties" and join the domain using the server name and domain administrator credentials.

Create Student Accounts:

Log in to each client VM with administrative privileges.

Create five student accounts with unique usernames and passwords.

Log out of the admin account and test each student account to verify functionality.

Additional Notes:

Ensure proper configuration of Active Directory and DHCP on your Windows Server before connecting clients.

Adjust usernames and passwords according to your specific requirements.

SCREEN SHOTS STEP BY STEP:

Create Client VMs:

Install Windows XP and Windows 7 on separate virtual machines using the provided media.

During installation, set usernames as LASTNAME-XP for XP and LASTNAME-WIN7 for Windows 7.



Configure Internal Network:

In VirtualBox settings for each VM, attach the network adapter to the "Internal Network" named "intnet".

Step 1: Select the client OS (Windows 7, Windows Server 2008, and Windows XP)

Step 2: Click the "Settings"

Step 3: Go to network and select the attached network to "Internal Network"

Step 4: Select the name for the network and set it to "intet"

🥸 L4	AZARO-WIN7 - S	ettings		×
	General	Network		
	System	Adapter <u>1</u> Adapter <u>2</u> Adapter <u>3</u> Adapter <u>4</u>		
	Display	✓ Enable Network Adapter		
$\mathbf{\mathfrak{s}}$	Storage	Attached to: Internal Network		
•	Audio	<u>N</u> ame: intnet		•
Ð	Network	► A <u>d</u> vanced		
>	Serial Ports			
ø	USB			
	Shared Folders			
-	User Interface			
		ОК	Cancel	elp

Connect Clients to Domain:

Connect a Client PC (Windows 7 and Windows XP) to the Domain Server (Server 2008)

Ensure your Windows Server is configured as a DHCP server.

MAKE SURE THAT ADDS AND DHCP are Installed (with Scope)

Connecting Windows 7/ Windows XP to Server

Step 1: Start Windows 7 or Windows XP



Step 2: Click the bottom right (Wifi)

Step 3: Click change adapter settings and right click Local Area Network and select Properties











Step 5: Right click the "Local Area Connection" > then "Properties"

Step 6: Double click the "Internet Protocol Version 4 (TCP/IPv4)



Step 5: In "Preferred DNS server input "10.0.0.1" and Validate Settings upon exit.

Organi	ze 🗶 Disable this network device Diagnose this connection Renar
<u> </u>	Internet Protocol Version 4 (TCP/IPv4) Properties
Ne	
d	General Alternate Configuration
	You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
T	Obtain an IP address automatically
	O Use the following IP address:
	IP address:
	Subnet mask:
	Default gateway:
	Obtain DNS server address automatically
4	Use the following DNS server addresses:
ļ	Preferred DNS server: 10 . 0 . 0 . 1
1	Alternate DNS server:
	Validate settings upon exit Advanced
	OK Cancel

Step 6: Wait until it finish and restart it.

) - 💽 «	Network and Internet Network Connections	
nize 🔻	S Windows Network Diagnostics	8
Unide Vintel(I	Resolving problems	
	Cancel	



Step 7: Right click "Computer" and click "Properties"



Step 8: Click "Change"

		Il rights reserved.
Computer Name Hardy	vare Advanced System Protection Remote	
Windows us on the netwo	as the following information to identify your compute rk.	dows7
Computer description:	T-SA	
	For example: "Kitchen Computer" or "Mary's Computer".	
Full computer name:	Windows-7-Profe	
Workgroup:	WORKGROUP	not available
T		(1) i3-10110U CPU @ 2.10GHz 2.59 GHz
Network ID.	A domain or workgroup, click Network ID	
		g System
To rename this comput workgroup, click Chang	er or change its domain or Change ge.	h Input is available for this Display
		fe 🛞 Change setting
		fe
		2
	OK Cancel Ap;	N

Step 9: Select "Domain" and enter "Lazaro.com"

	System Properties	X	
	Computer Name/Domain Changes	te	ll rights i
ev em /st	You can change the name and the membership of this computer. Changes might affect access to network resources.	nputer	dows 7
dv	Computer name: ny'	s	
	Full computer name: More KI More KI Omain:	D	not ava 4) i3-101 g System h Input i
	© Workgroup: WORKGROUP		gs fe fe
:e cti			
fin erf_	OK Cancel	Apply	ows nov
	Member of		
	lazaro.com		

Step 10: Enter the admin credentials for the domain server.

ria ati	anges might anect access to network resources.
an	Windows Security
ev er W	Computer Name/Domain Changes Enter the name and password of an account with permission to join the domain.
f air 10	Administrator Administrator Domain: espinosaos220.com
91 21	OK Cancel
	OK Cancel Off

Step 11: Restart the computer.



Step 12: Login users from domain.





