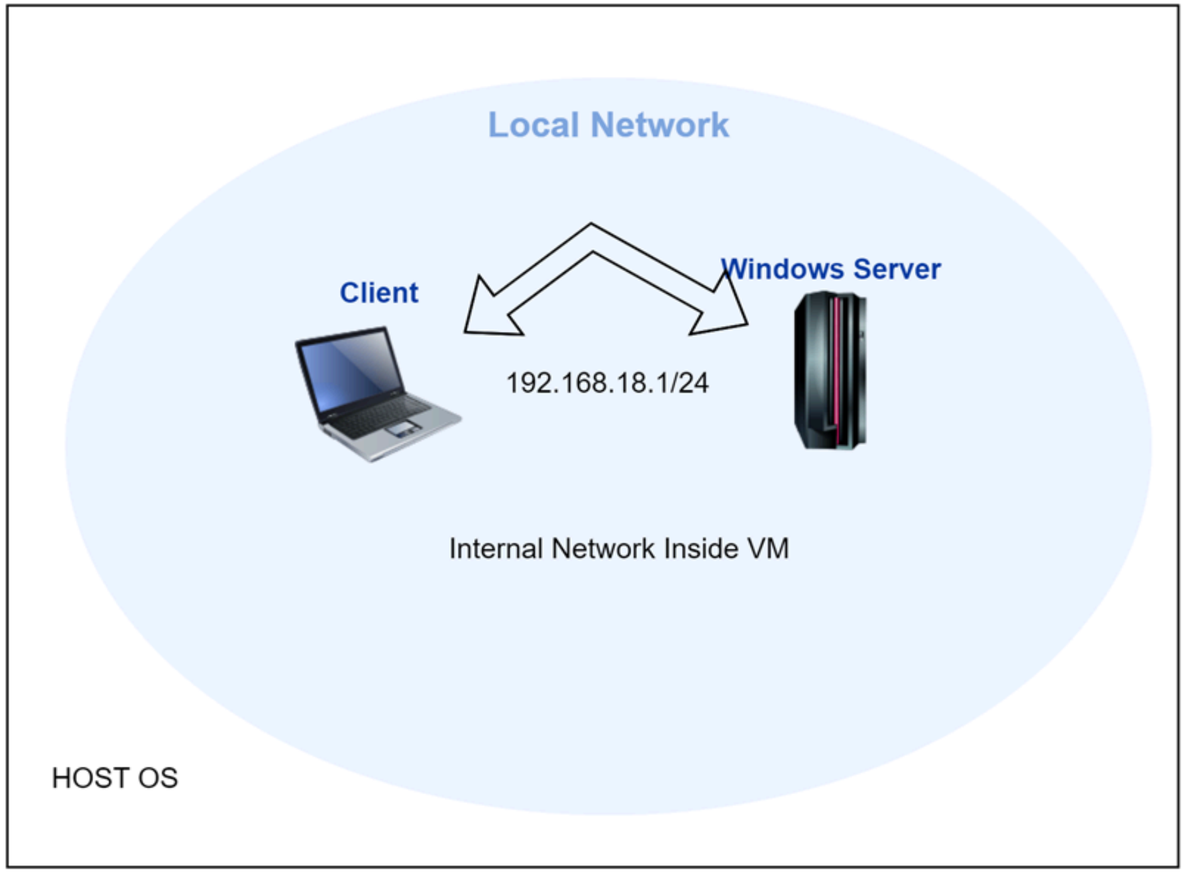
Configuring CMUniversity Active Directory Server Environment

Device	IP Address	Subnet Mask	Default Gateway	DNS Server	Role
Domain Controller	192.168.18.1	255.255.255.0	None (Directly connected)	192.168.18.1	Active Directory, DNS
DHCP Server (DC)	192.168.18.2	255.255.255.0	192.168.18.1	192.168.18.1	DHCP Server
DHCP Clients	192.168.18.3-100 (Range)	255.255.255.0	192.168.18.1	192.168.18.1	DHCP Clients

NETWORK TOPOLOGY



NETWORK TOPOLOGY

Services

Active Directory Domain Services

A Microsoft service that centralizes user and computer management on a network, allowing for centralized access control and security.

Organizational Unit

An organizational unit (OU) is a folder within your Active Directory, managing group, users, computers, and other resources based on department, location, or other criteria.

Group Policy Objects

Set of rules in your network domain that define settings for users and computers. Imagine it as a company policy.

DHCP Services

Network management protocol used to automatically assign IP addresses and other network configuration parameters to devices on a network.

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Services

File Share

It's a directory on a server that allows authorized users on the network to access/share specific files and folders.

Internet Information Services

It's a Microsoft web server software that delivers web content (files, applications) to users

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Configuration

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Server Roles	Features
Active Directory Domain Services	Group Policy Management
DHCP Server	
Web Server (IIS)	IIS Hostable Web Core
DNS Server	

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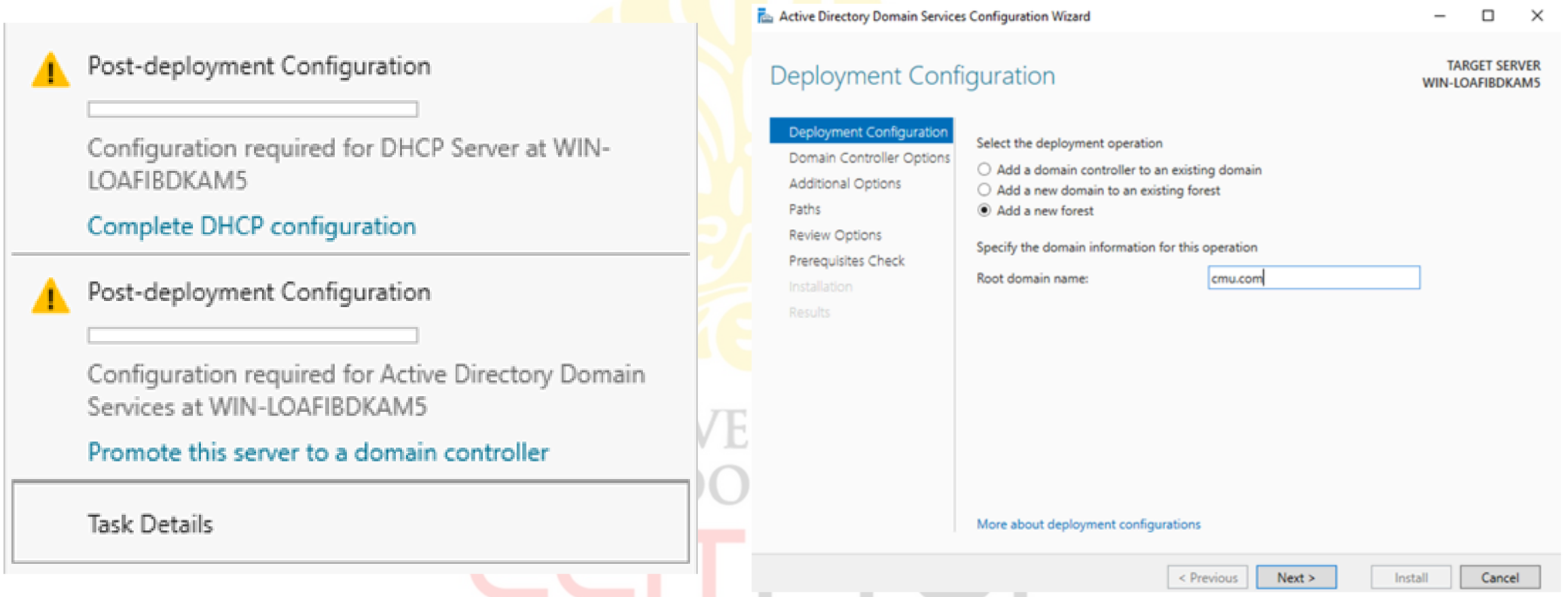
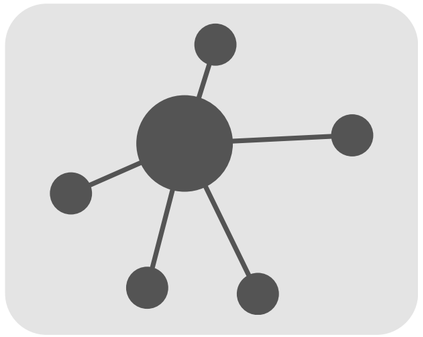
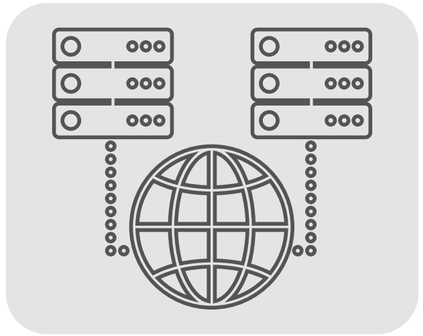

Post-deployment Configuration
Configuration required for DHCP Server at WIN-LOAFIBDKAM5
Complete DHCP configuration
Post-deployment Configuration
Configuration required for Active Directory Domain Services at WIN-LOAFIBDKAM5
Promote this server to a domain controller
Task Details
Active Directory Domain Services Configuration Wizard
Deployment Configuration
TARGET SERVER
WIN-LOAFIBDKAM5
Deployment Configuration
Domain Controller Options
Additional Options
Paths
Review Options
Prerequisites Check
Installation
Results
Select the deployment operation
Add a domain controller to an existing domain
Add a new domain to an existing forest
Add a new forest
Specify the domain information for this operation
Root domain name:
cmu.com
More about deployment configurations
< Previous
Next >
Install
Cancel

Section	Details
Title	Users Limited Priviledges
Purpose	Security reason
Scope	Applies to all employees except for IT Support
Policy Statements	Employees is restricted to access command prompt, changing password, and viewing task manager.

SIMULATION



FIRST TESTING



SECOND TESTING

THIRD TESTING

QUESTION?