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CYBER SECURITY

BHU/22/04/09/0027

CYB202

PROJECT 3

project 3 with window server

### part 1: setting up AD-DS on windows server 2019

## **Installing Active Directory Domain Services (AD DS)**

### **Step 1: Access Server Manager**

Open the Start menu and select Server Manager.

### **Step 2: Initiate Role Installation**

Right-click on "Manage" within the Server Manager window and choose "Add Roles and Features."

### **Step 3: Select Installation Type**

Maintain the default option of "Role-based or feature-based installation" and proceed to the next step.

### **Step 4: Specify Installation Server**

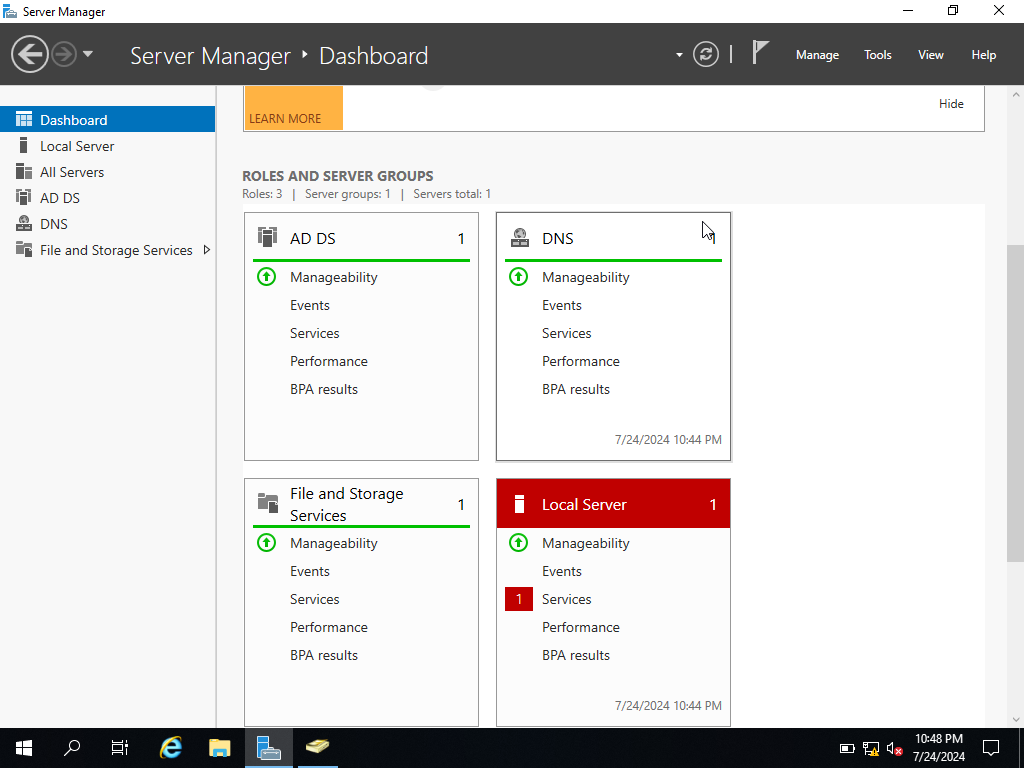
Select the target server for AD DS installation. For this example, the local server will be used.

### **Step 5: Select Server Roles**

Navigate to the next page and choose "Active Directory Domain Services" as the desired role.

### **Step 6: Review and Confirm**

Accept the default feature selections and proceed to the next step to finalize the installation.

AD-DS has been installed successfully on windows server 2019.

**Part 2: Promoting to domain controller**

## **Promoting a Server to a Domain Controller**

### **Step 1: Initiate Promotion**

Locate the "Manage" tab in Server Manager, click on the accompanying yellow exclamation mark, and select "Promote this server to a domain controller."

### **Step 2: Create a New Forest**

Choose to add a new forest, specify the desired root domain name, and proceed to the next step.

### **Step 3: Set Directory Services Restore Mode Password**

Create and confirm a password for Directory Services Restore Mode (DSRM) and continue.

### **Step 4: Address DNS Options Error**

Ignore the DNS options error for now and advance to the next step.

### **Step 5: Define NetBIOS Name**

Assign a NetBIOS name to the domain (e.g., LAB) and move forward.

### **Step 6: Confirm Default Paths**

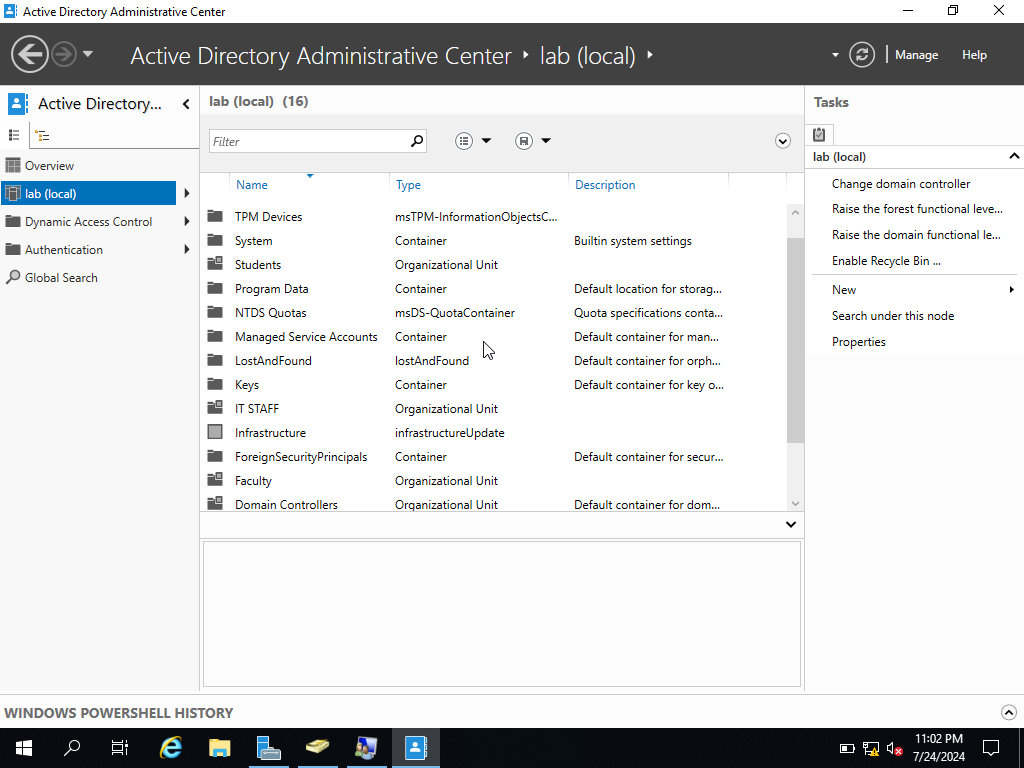
Verify the selected paths and proceed to the next step.

### **Step 7: Begin Installation**

Review the configuration summary and initiate the installation process.

### **Step 8: Domain User Login**

Once the installation completes, log in to the domain using the specified credentials (Default:bingham@1234).



**Part 3: Creating Organisational Units (OUs)**

### Step 1: Access Active Directory Users and Computers

Open the Active Directory Users and Computers console.

### Step 2: Create a New OU

Right-click on the desired domain, select "New," and then choose "Organizational Unit."

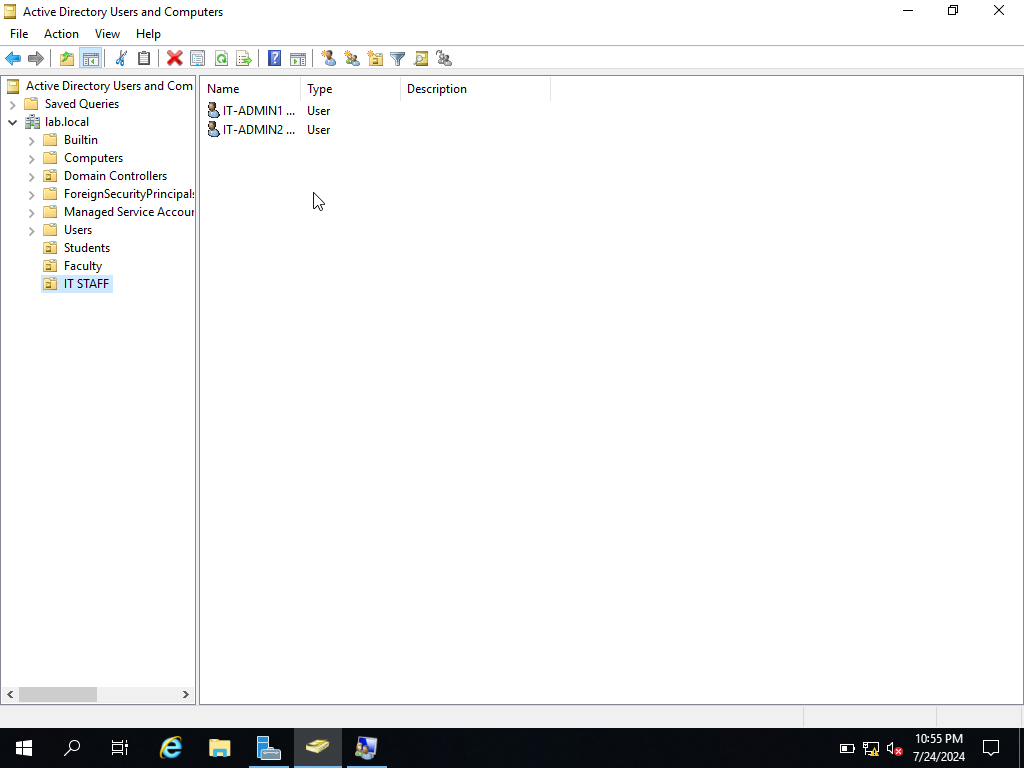
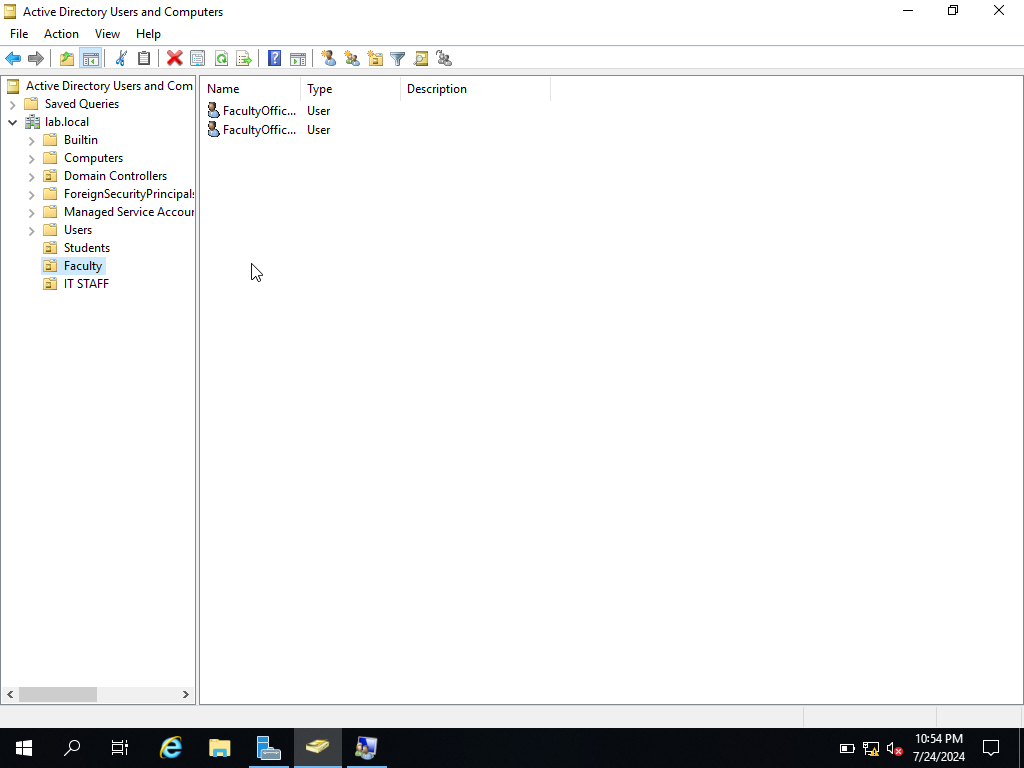
### Step 3: Name the OU

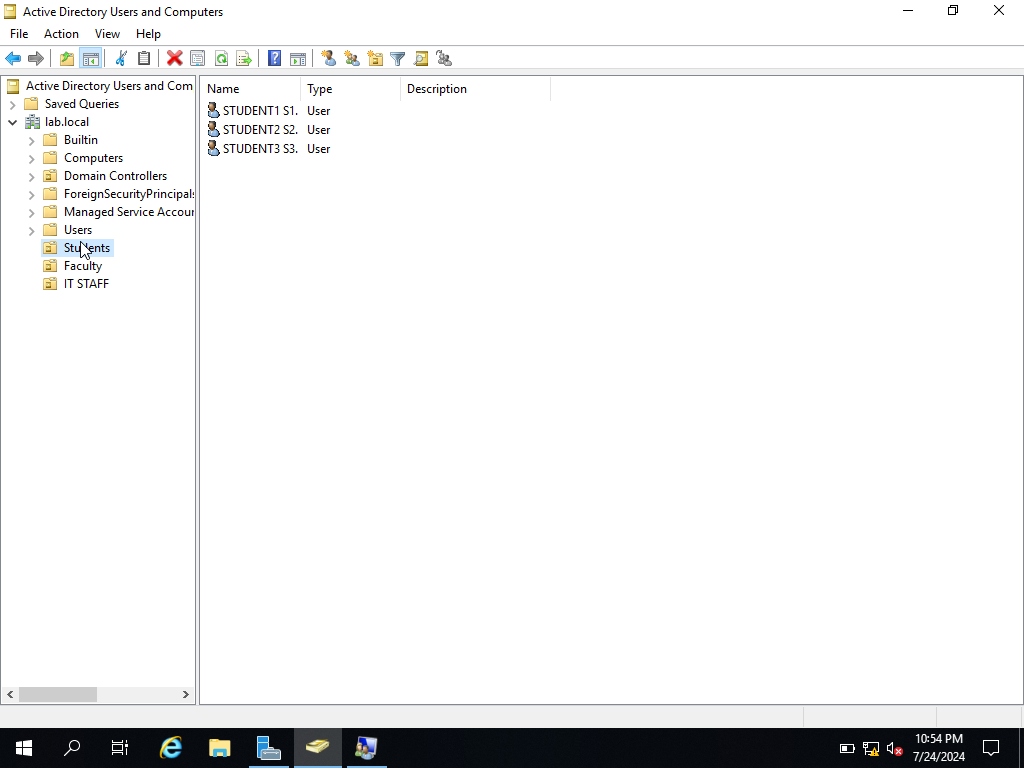
Enter the desired name for the new OU and click "OK."

**Part 4: Creating local users**

Step 1: First click the file category of user your want, then in ADUC click on Action (located) at the top right of page, click on new and select user.

Step 2: In the pop up menu, fill in first name, initials and user log on name and click next.

Step 3: Set a default password and select the option to change password at first login and click next. (Default password:pijicong@1234)



**Part 5: Verify using ADAC (Active Directory Administrative Center)**

