

CSS NCII Actual Demonstration Reviewer

1. Create Windows Server Bootable Drive Using CMD

1. Insert your USB flash drive into the computer.
2. Open Command Prompt as **Administrator**.
3. Type diskpart and press Enter.
4. Execute the following commands sequentially:
 - list disk (Identify your USB drive number, e.g., Disk 1)
 - select disk X (Replace X with your USB disk number)
 - clean
 - create partition primary
 - active
 - format fs=ntfs quick (or fs=fat32 quick depending on UEFI/BIOS requirements)
 - assign
 - exit
5. Mount or extract your Windows Server ISO image, then copy all installation files to the USB drive using File Explorer or the xcopy command (e.g., xcopy E:** /s/e/f G:\ where E is the ISO/source and G is the USB).

2. Change Boot Priority

1. Restart the computer and press the designated BIOS/UEFI setup key immediately (commonly **F2, F12, Del, or Esc** depending on the motherboard manufacturer).
2. Navigate to the **Boot** tab using the arrow keys.
3. Move your USB flash drive to the **1st Boot Priority** position using + or - keys (or follow on-screen instructions).
4. Press **F10** to **Save and Exit** changes.

3. Boot Windows Server Installer

1. Allow the system to boot from the USB drive. When prompted, press any key to boot from USB.
2. Select your preferred **Language to install, Time and currency format, and Keyboard or input method**, then click **Next**.
3. Click **Install Now**.
4. Select the edition matching your requirements (choose an edition ending with **(Desktop Experience)** if a graphical user interface is required for the exam).
5. Accept the license terms, select **Custom: Install Windows only (advanced)**, and proceed.

4. Create Partition

1. In the "Where do you want to install Windows?" window, select your target unallocated drive space.
2. Click **New**, specify the desired partition size in megabytes (MB), and click **Apply**.
3. Select the newly created primary partition and click **Next** to begin the file installation.

5. Configure IP Addressing

Server IP Configuration

1. Open Control Panel -> Network and Sharing Center -> Change adapter settings.
2. Right-click your network interface and select Properties.
3. Double-click Internet Protocol Version 4 (TCP/IPv4).
4. Select Use the following IP address and input:
 - ❖ **IP address:** 192.168.1.10 (or as specified in your exam sheet)
 - ❖ **Subnet mask:** 255.255.255.0
 - ❖ **Default gateway:** 192.168.1.1
 - ❖ **Preferred DNS server:** 127.0.0.1 (loopback) or the server's own IP.
1. Click **OK**.

Client IP Configuration

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1. On the client machine, navigate to IPv4 properties using the same steps above.
2. Configure it to reside on the same subnet:
 - **IP address:** 192.168.1.50
 - **Subnet mask:** 255.255.255.0
 - **Default gateway:** 192.168.1.1
 - **Preferred DNS server:** 192.168.1.10 (pointing to the Windows Server IP)

6. Setup Active Directory and DNS (ccc.local)

1. Open **Server Manager** and click **Add roles and features**.
2. Click through until you reach **Server Roles**, then check **Active Directory Domain Services (AD DS)**. Click *Add Features* when prompted, then complete the wizard.
3. Once installation completes, click the yellow notification flag in Server Manager and select **Promote this server to a domain controller**.
4. Select **Add a new forest**, type ccc.local as the **Root domain name**, and click **Next**.
5. Set a DSRM (Directory Services Restore Mode) password, click through the remaining configuration warnings, and click **Install**. The server will automatically restart.

7. Add Roles

1. Open **Server Manager**, click **Manage**, and select **Add Roles and Features**.
2. Navigate to **Server Roles** and check the following required components:
 - **DHCP Server** (Accept default features and commit)
 - **Print and Document Services** (Ensure *Print Server* is checked)
 - **File and Storage Services** (Expand *File and iSCSI Services* if specific sub-services like *File Server Resource Manager* are requested)
 - **Web Server (IIS)**
3. Complete the installation wizards for each role.

8. Create Organizational Unit (OU)

1. Open **Server Manager**, click **Tools**, and select **Active Directory Users and Computers (ADUC)**.
2. Expand your domain (ccc.local).
3. Right-click ccc.local, hover over **New**, and select **Organizational Unit**.
4. Type the required name (e.g., CSOU or department name) and click **OK**.

9. Add New Users

1. In **ADUC**, expand ccc.local and click on your newly created **Organizational Unit**.
2. Right-click inside the blank space on the right, hover over **New**, and select **User**.
3. Fill out the user details: **First name**, **Last name**, and **User logon name** (e.g., jdelacruz). Click **Next**.

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4. Enter a secure password, uncheck "*User must change password at next logon*" if instructed otherwise, check "*Password never expires*", and click **Next**, then **Finish**.

10. Configure Group Policy

1. Open **Group Policy Management** by pressing Win + R, typing gpmc.msc, and pressing Enter.
2. Expand your domain, right-click your target OU, and select **Create a GPO in this domain, and Link it here...** (name it appropriately).
3. Right-click the linked GPO and select **Edit**.

a. Printer Deployment

- Navigate to Computer Configuration (or User Configuration) -> Policies -> Windows Settings -> Deployed Printers.
- Right-click and choose **Deploy Printer**, browse to your shared printer on the network, and add it.

b. Folder Redirection

- Navigate to User Configuration -> Policies -> Windows Settings -> Folder Redirection.
- Right-click the target folder (e.g., *Documents*), select **Properties**, change the setting to **Basic - Redirect everyone's folder to the same location**, and input the target network share folder path.

c. User Folder

- Handled via Profile Paths in ADUC user properties or standard home folder mapping under User Configuration -> Policies -> Windows Settings -> Home Folder.

d. Change Wallpaper Restriction

- Navigate to User Configuration -> Policies -> Administrative Templates -> Control Panel -> Personalization.
- Double-click **Prevent changing desktop background**, set it to **Enabled**, and click **OK**.

11. Remote Desktop

On the Server:

1. Open **System Properties** (press Win + Pause/Break or search for *Remote Settings*).
2. Go to the **Remote** tab.
3. Select **Allow remote connections to this computer** and ensure *Allow connections only from computers running Remote Desktop with Network Level Authentication* is checked or adjusted based on client compatibility.
4. Click **Select Users** and add authorized domain users (e.g., Administrators or specific users). Ensure Windows Firewall permits incoming RDP traffic.

On the Client:

1. Open the **Remote Desktop Connection** app (mstsc).
2. Type the server's IP address (192.168.1.10) and click **Connect**.
3. Log in using your domain credentials (e.g., ccc.local\administrator or your created user account).