

Client–Server Configuration Guide

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1) Set Up the Server (Windows Server)

- 1. Boot from Windows Server installation media.**
- 2. Choose Desktop Experience → select Custom (Advanced) → format/partition drives → install.**
- 3. Set the Administrator password on first boot.**
- 4. Open Services → set Function Discovery Resource Publication to Automatic.**
- 5. In Server Manager → Local Server:**
Disable Windows Firewall, Defender, and Automatic Updates (if lab requires).
Enable Remote Desktop.
- 6. Configure Network Adapter → IPv4 Properties:**
Disable IPv6.
Set static IP (example):
IP: 192.168.10.10
Subnet: 255.255.255.0
Gateway: 192.168.10.1
DNS: 127.0.0.1 (or server IP if serving DNS).

2) Set Up the Client (Windows 10 Pro)

- 1. Boot from Windows 10 installation media → choose Windows 10 Pro → Custom install.**
- 2. Configure Network Adapter → IPv4 Properties:**
Disable IPv6.
Set to Obtain IP automatically (DHCP).
- 3. Set Function Discovery Resource Publication to Automatic in Services.**
- 4. Enable Network Discovery and File & Printer Sharing in Network & Sharing Center.**

3) Install Server Roles (AD DS, DNS, DHCP, RDS)

- 1. Open Server Manager → Add Roles and Features.**
- 2. Install:**
Active Directory Domain Services (AD DS)
DNS Server
DHCP Server
Remote Desktop Services (if required)
- 3. After AD DS installation, Promote server to domain controller:**
Create a new forest (example domain: easy.lab)
Set DSRM password → reboot.

4) Configure DNS & DHCP

DNS:

Open DNS Manager → create Reverse Lookup Zone for your subnet.

Add PTR records for server/clients (optional).

DHCP:

Authorize DHCP server in the domain.

Create IPv4 scope (example): 192.168.10.100–192.168.10.200, subnet 255.255.255.0.

Configure scope options:

Gateway: 192.168.10.1

DNS: 192.168.10.10 (or 127.0.0.1)

Activate scope.

5) Join Client to Domain

1. On client, run in elevated Command Prompt:

ipconfig /release

ipconfig /renew

2. Go to System → Change Settings → Computer Name → Change → Domain, enter domain name.

3. Enter domain admin credentials → restart.

4. Login with domain account via Other User.

6) Create User Accounts (AD Users & Computers)

1. On server, open Active Directory Users and Computers.

2. Expand domain → right-click Users (or custom OU) → New → User.

3. Enter user details and set initial password.

Optional: uncheck User must change password at next logon for fixed lab accounts.

Optional: check User cannot change password / Password never expires if required.

4. Finish to create account.