

Configuring Windows Server 2016

1. From the Server Manager Dashboard, click on Add roles and features.
2. Select Role-based or feature-based installation and click Next.
3. Select the server by highlighting the row and select Next.
4. Select Active Directory Domain Services (Active Directory Domain Services, File share Services, Web services, DHCP, DNS, Windows Deployment Services) and then select Next.
5. Click Add Features.
6. You shouldn't have to select anything at the Select features, so just select Next.
7. Click Next in the AD DS section.
8. On the confirmation window, review everything and then click Install.
9. The installation will begin.
10. When the installation is complete, you need to now promote the server to a domain controller. Click Promote this server to a domain controller (small hyperlink in the results window) Setup Active Directory Server 2016
11. Setup Active Directory Server 2016
12. Select Add a new forest, type in a domain name that you want to use (<Name of Domain>.internal), then click Next.
13. Setup Active Directory Server 2016
14. Type in a password you want to use for Directory Services Restore Management, then click Next.
15. Setup Active Directory Server 2016
16. Click Next on the DNS Options page.
17. Setup Active Directory Server 2016

Create the organizational Units or Departments under the group policy OU

Create the folders of each department folder with each having their functional units in it eg Users, Computers etc.

Creating Users and Groups that goes into the Departmental Trees

1. Navigate to Group Policy OU | IT | Users
2. Right-click Users and select New | User
3. Fill in the Users information
4. Type a password twice.
5. Leave the User must change password at next logon enabled
6. Finish creating the users and placing them into the proper OUs.

Creating Groups

1. Navigate to Group Policy OU | Groups – Security
2. Right-click Groups – Security
3. Select New | Group
4. Fill in the information. For this one, I am calling this group IT Staff
5. Now that the group is created.
6. Right-click the IT Staff group and select Properties

7. In the Members tab, select Add
8. Type the username and select Check Names
9. When the system finds the account, you will see the full account details. Select OK.
10. Select OK when finished adding users to the group.

When finished, let's nest a couple of groups within another group.

This example, we have two Department Head groups: Sales and Service Department Heads. We want to add those groups to a Department Head group.

1. Right-click the Management group and select Properties.
2. In the Members tab, click Add, type the names of the groups, and add them to the group

Setting the Password Policy

3. 1. Open the group policy management console
4. 2. Expand Domains, your domain, then group policy objects
5. 3. Right click the default domain policy and click edit
6. 4. Now navigate to Computer Configuration\Policies\Windows Settings\Security Settings\Account Policies>Password Policy
7. 5. Enforce password policy- set it to 24 and Change minimum password reset to 0
8. 6. Now double click one of the settings to edit. For example, I'll double click on minimum password length: change this setting from 7 to 8 character and then apply.
9. 7. account lockout duration set to 15 and the threshold to 3 which enables one to have it wrong for three times only.

Setting permission on each folder

1. Select the folder and click File > Properties.
2. In the Properties window, click the Security tab, and click Edit.
3. In the Permissions window, click Add.
4. In the Select Users, Computers, or Groups window, click Locations.
5. In the window that opens, click Advanced, and then click Find Now.
6. Click the name of the group that you want to set permissions for eg Department Heads.
7. Click OK twice.
8. In the Permissions list, select to allow Modify, Read & execute, List folder contents, Read, and Write Permissions. Click OK.
9. If you receive a message to confirm your changes, confirm by clicking Apply changes to this folder, subfolders and files.

Setting DHCP

1. From Server Manager Dashboard, click on Add roles and features.
2. Select Role-based or feature-based installation and click Next.
3. Select the server, then click Next.
4. Select DHCP Server, then click Next
5. Click Add Features.

6. Click Next.
7. Click Next.
8. Click Next.
9. Check the Restart the destination server automatically if required, then click Install.
10. When installation is complete, click Close from Server Manager Dashboard, click the yellow exclamation mark triangle, then click Complete DHCP configuration Click Next.
11. Click Commit
12. From Server Manager Dashboard, click on Tools in the upper-right, then DHCP to launch the DHCP MMC.
13. Expand DHCP | <servername>.<domain name> | IPv4.
14. Right-click Server Options and click Configure Options
15. Check 003 Router and type the router's IP address in the IP address field, click Add.
16. Check 006 DNS Servers and type the server's IP address in the IP address field, then click Add.
17. Click OK.
18. Right-click IPv4 then select New Scope.
19. Type in a name for the new scope, then click Next.
20. Enter the IP Address Range (start and end) and the correct Subnet mask, then click Next. This is the range of IP addresses the server will hand out to DHCP clients that come up on the network.
21. Leave Exclusions and Delay empty, then click Next.
22. Click Next for Lease Duration.
23. Select Yes, I want to configure these options now, then click Next.
24. Enter the router's IP again (which is the same as the server's current gateway address), then click Next.
25. The DNS server IP should already be filled in, click Next.
26. click Next.
27. Select Yes, I want to activate this scope now, then click Next.
28. Your scope is configured and activated.

Setting up Web Server

1. Open Server Manager and click Manage > Add Roles and Features. Click Next.
2. Select Role-based or feature-based installation and click Next.

Web Server

- Common HTTP Features,

- Default Document

- Static Content

- Security

- Request Filtering

- Basic Authentication

- Windows Authentication

- Application Development

- .NET Extensibility 4.7

- .NET Extensibility

- ASP.NET 4.6

- ASP.NET

- ISAPI Extensions

- ISAPI Filters

- WebSocket Protocol

Management Tools

IIS Management Console

IIS 6 Management Compatibility

IIS 6 Metabase Compatibility

IIS Management Scripts and Tools

Management Service

3. Select the appropriate server. The local server is selected by default. Click Next.
4. Enable Web Server (IIS) and click Next.
5. No additional features are necessary to install the Web Adaptor, so click Next.
6. On the Web Server Role (IIS) dialog box, click Next.
7. On the Select role services dialog box, verify that the web server components listed below are enabled. Click Next.
8. Verify that your settings are correct and click Install.
9. When the installation completes, click Close to exit the wizard.

Setting up File Server

1. Login to the Server, Open Server Manager, select Add Roles and Features
2. From the Server roles, select File Server Resource Manager and next to all other steps and install
3. After installation completed open File server resource manager from Administrative tools
4. Right click on the quota template and create new
5. Put the name and description with the space limit.
6. If you select hard quota, you cannot exceed the specified amount, but soft quota user can exceed and can be notified.
7. Notifications can be sent via Emails once quota reached specified threshold.
8. Select the following information
9. Quota Path – folder or parent folder quota applied to.
10. Once the quota is created you can see it from the console
11. Right click on file groups and create new file group, define a name and add parts of the file names or file extensions in file to include.
12. You can also add exclusions
13. To create a file screening template right click on it and create new
14. In create template window, fill the following
15. File screening can be applied to a folder or a volume, select the path and the template if you created before.
16. And create
17. To generate reports open storage report tasks and generate a report, DHTML report will be saved and prompt to open.