

Windows Server

Networking with Windows Server1. Discuss the role of Windows Firewall in Windows Server and how to configure it.

A: Windows Firewall in Windows Server secures the server by controlling network traffic, blocking unauthorized access, and allowing legitimate connections. To configure it, open the firewall settings, adjust or create rules, set up network profiles, and toggle the firewall on or off. Apply the changes and test to ensure proper functionality.

2. What is Network Address Translation (NAT) in Windows Server, and how do you configure it?

A: Network Address Translation (NAT) in Windows Server allows a server to share a single public IP address with multiple devices on a private network.

Configuration:

1. Open Routing and Remote Access
2. Configure and Enable Routing and Remote Access
3. Select NAT Setup
4. Choose Network Interfaces
5. Complete Setup
6. Verify Functionality

3. Explain the concept of Dynamic Host Configuration Protocol (DHCP) and how to configure it in Windows Server 2016.

A: Dynamic Host Configuration Protocol (DHCP) automatically assigns IP addresses and network settings to devices on a network.

1. Install DHCP Role
2. Open DHCP Console
3. Authorize Server
4. Create Scope
5. Configure Scope Options
6. Activate Scope

4. Describe the process of configuring DNS in Windows Server.A:

1. Install DNS Role
2. Open DNS Manager
3. Create Forward Lookup Zones
4. Add DNS Records
5. Configure Reverse Lookup Zones (Optional)
6. Set DNS Server Options

5. What is Server Manager, and how do you use it to manage servers in Windows Server?

A: Server Manager is a management tool in Windows Server that provides a central interface for managing server roles, features, and configurations.

Usage:

1. Open Server Manager
2. View Dashboard
3. Add Roles and Features
4. Manage Servers
5. Configure Roles
6. Monitor and Maintain
7. Access Tools

6. Discuss the role of Remote Desktop Services (RDS) in Windows Server 2016 or 2019 and how to configure it.

A: Roles:

* Remote Access
* Centralized Management
* Cost Efficiency

Configuration:

* Install RDS Role
* Choose Deployment Type
* Configure RDS Roles
* Set Up Licensing
* Publish Applications
* Test Access