

Server Administrator

Become a Certified Engineer



"Master Technology, Master Your Future!"

REXTON IT SOLUTIONS

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ONLY in 90 Days

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Learn advance training, and get real time experience.

> INTERVIEW

We will conduct your interview in training period.

> GET JOB

You will get job in the training duration

WINDOWS SERVER 2025 HYBRID ADMINISTRATOR TRAINING

Deploying and Managing Windows Server 2012

Windows Server 2025 Overview

Overview of Windows Server 2025 Management

History of Windows Server

Plan for Windows Server - Installation Requirements and Edition Per Workload

Installing Windows Server 2025

Post-Installation Configuration of Windows Server 2025

Manage Windows Server Core

Introduction to Windows PowerShell

Introduction to Active Directory Domain Services

Overview of AD DS

Overview of Domain Controllers

What's New in Active Directory?

Installing a Domain Controller

Installing a Additional Domain Controller

Installing a New Tree or Child Domain

Active Directory Management Tools

Installing AD DS Management Tools

Read-Only Domain Controllers

Read-Only Domain Controller

RODC Installation and Configuration

Password Replication Policy

Managing Active Directory Domain Services Objects

Managing User Accounts - Edit a User Account

Managing Group Accounts

Managing Computer Accounts - Supplemental File

Limitations of Joining Computers to AD

Use Commands to Join a Domain

Delegating Administration

User Profile

Home Folder

Logon Script

Automating Active Directory Domain Services Administration

Using Command-line Tools for AD DS Administration

Using Windows PowerShell for AD DS Administration

Performing Bulk Operations with Windows PowerShell

Flexible Single Master Operation

Transfer a FSMO Role

Seize a FSMO

Domain/Trust Relationships

Domain Relationships - Trust Types

Trusts and Direction

Create a Trust
Verify a Trust and Selective Authentication
Active Directory Sites and Replication
Intrasite Replication
Intersite Replication
Advanced Site Topics
Replocation Monitoring
Monitoring, Managing, and Recovering ADDS
Clean Up Metadata, Offline AD and Defragmentation
Backup and Restore of Active Directory -RecycleBin
Active Directory Installations Debug - Health Check
Backup and Disaster Recovery
Implementing a high availability and disaster recovery solution
Backing up and restoring by using Windows Server Backup
File Folder Backup
Implement Group Policy in AD DS
Introduction to Group Policy
Group Policy Processing
Group Policy Scope of Management
Processing Adjustments
Processing Adjustments: WMI and Security Filtering
Processing Adjustments: WMI and Security Filtering
Migrate a Domain to a New Forest with ADMT
Introducing Interforest Migrations
Establish Interforest Connectivity
Configure SID History Migration
Migrate Active Directory Domain Services to Windows Server 2025
Introducing AD DS Migration to Windows Server 2025
Planning Your Migration to Windows Server 2025
Prep Your Environment for Migration
Migrate FSMO Master Roles
Decom the Old Server
Upgrade the Domain and Forest
Summarizing AD DS Upgrades
Monitor and Manage Windows Server 2025
Introducing Windows Server Monitoring Management
Install Windows Admin Center
Add Inventory to Windows Admin Center
Connect WAC to Azure
Manage Servers from WAC
PowerShell Remoting
Summarizing Windows Server Management
IPv4 Addressing
OSI Layers
TCP-IP Layers

IP Addressing
Subnetting
Supernetting
DHCP - Installation and Configuration
DHCP Overview and Install
DHCP Scope Creation, DHCP Reservations, DHCP Options
DHCP Policies, DHCP Super and Multicast Scopes
DHCP L2 MAC Filtering
DHCP User Classes
DHCP Dynamic Updates to DNS, DHCP Backup, Restore, Import, Export
DHCP Failover DHCP Split Scopes
DHCP Troubleshooting
DHCP Relay Configuration
DHCP Migration
DNS - Installation and Configuration
DNS Overview and Install
DNS resolving and Queries, DNS Root Hints
DNS Zones, DNS Records, DNS Scavenging, DNS Forwarding
DNS Delegation, DNS Round Robin, DNS Recursion, DNS Security (DNSSEC)
DNS Cache Locking and Socket Pool, DNS Response Rate Limiting
DNS Policy: Load Balancing, DNS Policy: Client Source Address
DNS Policy: Time-based Requests, DNS Logging and Tuning
DANE and TLSA Records
DNS GlobalNames Zone
Troubleshooting DNS
IPAM Configuration
IPAM Overview and Installation
Manage DNS using IPAM, Manage DHCP using IPAM
IPAM Role-based Access Control (RBAC), Using IPAM to Manage IP Addresses
IPAM Migration and Auditing
Storage -Disk And Partition
Configure Disks and Partition Basic disk - Dynamic- GPT -RAID
Configure Virtual Disks -Create VHD And VHDX Mount VHD
Configure and Manage Storage Pools
Implementing Enterprise Storage Solutions
Overview of DAS, NAS, and SANs
Comparing Fibre Channel, iSCSI, and Fibre Channel over Ethernet
Understanding iSNS, DCB, and MPIO, Configure Storage Replica
Storage Migration
Implement Data Deduplication and Monitor Deduplication
Configuring sharing and Security
File System FAT - NTFS - REFS, Configure Shares - SMB – NFS
Configure Permissions - Sharing And Security
File Server Resource Manager -Quota - Shadow Copy Data Classification
File -Folder Encryption
Implementing DFS Namespaces
Configure Replication
Namespace Failover

DFS Site Awareness, DFS Scheduling, Staging, Compression, and Optimization
Secure Windows Server Storage
Introducing Securing Windows Server Storage
Setting up BitLocker on Windows PCs
Unlocking an Encrypted Hard Drive
BitLocker Enterprise Solutions
Implementing Hyper-V
Hyper-V requirements and Install Hyper-V, Configure and Remotly Manage Hyper-V
Create Virtual Machines - Delegate VM, Implement Nested Virtualization
Configure Virtual Machines - Dynamic Memory - Smart Paging - Resource Metering
Manage Virtual Machines - Add Remove Memory VM -
Enhance Session Mode - DDA - Import Export VM
Move And Convert VM From Previous Version of Hyper-V
Hyper - V Storage VHD - VHDX - Shared VHD - Thin and Thik Disk - Pass-Through – QOS
Configure Hyper-V Networking - Virtual Switch -
Add remove NIC - Synthetic and Legacy Adaptor - MAC Address - Configure Network Isolation
Hyper-V Networking - Bandwidth Management - VMQ - Optimize Network Performance – RDMA
Configure CPU Groups
Implement Hyper-V Cluster
Hyper-V Migration - Storage Migration
Hyper-V Loadbalacing
Implement Hyper-V Replicas
Introducing Hyper-V Replicas
Planning for Hyper-V Replicas
Configuring Hyper-V Replica Settings
Virtual Machine Replication
Perform a Failover
Network Load Balancing
Implement Network Load Balancing - NLB Nodes
Configure Affinity - Port Rule And Cluster
Operation Mode - Upgrade NLB
Failover Clustering
Introduction to Failover Clustering - Workgroup - Single Domain -MultiDomain
Configure Failover Clustering
Manage Failover Clustering - CAU and Backup
Operating System Rolling Upgrade - Restore Single Node and Cluster Configuration
Implement Scale-out File Server (SoFS)
Implement Hyper-V Clusters - Migration - Import And Export VM
Node Fairness VM network Health - VM Monitoring - Drain And Shutdown
Implement Stretch Clusters - Cloud Witness - Storage Replica
Stretch And Site Aware Failover Cluster - VM resiliency
Implement Storage Spaces Direct
WSUS - Update management
WSUS overview and deployment options
Update management process with WSUS
Implementing WSUS and deploying updates
Windows Server Monitoring Tools
Monitoring tools Using - Performance Monitor - Resource Monitor

CPU - Memory - Disk - Networking Counters
Configure Data Collector Sets - Configure Alerts
Monitoring event logs
Remote access
Remote Access VPNs and Site-to-Site VPN
Using Digital Certificates with VPNs, Local Network Policy Server
NPS with RADIUS, NPS Imports, Exports, and Templates
RADIUS Proxy, RADIUS Accounting, VPN Connection Profiles using CMAK
Dynamic NAT/PAT, Port Forwarding NAT/PAT
Active Directory Certificate Services
Install a Certificate Authority
Installing a Subordinate CA
Deploying and managing certificate templates
Windows Defender to Secure Windows Server Operating System
Create Windows Defender Application Control Policies
Deploy WDAC Policies
Preparing for Windows Defender for Endpoints Deployment
Enable Windows Defender Credential Guard
Troubleshoot Active Directory
Introducing Active Directory Troubleshooting
Digging into Event Viewer
Event Tracing with tracelog.exe
Understand Domain Controller Replication
Digging into Replication with PowerShell
Quick Replication Status and More with Dcdiag.e



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Thank You!

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