

Windows Administrator Course Catalog – 90 Days

Day	Module	Topics Covered
1-3	Introduction to Windows Server	Overview of Windows Server Editions, Installation of Windows Server, Windows Server Roles and Features, Windows Server Architecture
4-6	Active Directory Basics	Introduction to Active Directory, AD DS (Domain Services), Domain Controller, Organizational Units (OUs), Active Directory Users and Computers
7-9	Managing Active Directory	Creating and Managing AD Users, Groups, Organizational Units, Managing AD Permissions, Active Directory Sites and Services
10-12	Group Policy	Introduction to Group Policy, Creating and Managing GPOs, Group Policy Objects, Group Policy Management Console, Security Settings
13-15	DNS Configuration	Understanding DNS, DNS Zones, Forward Lookup Zones, Reverse Lookup Zones, DNS Records, Configuring DNS Server in Windows Server
16-18	DHCP Server Configuration	Introduction to DHCP, DHCP Scopes, Reservations, Exclusions, IP Address Leasing, Configuring DHCP Server
19-21	File and Print Services	Configuring File Shares, NTFS Permissions, Sharing Printers, Printer Pooling, Print Server Management, Access Control Lists (ACLs)
22-24	Windows Server Security	Windows Server Security Best Practices, Configuring Windows Firewall, User Account Control (UAC), Security Updates and Patching, Event Logs and Auditing
25-27	Windows Server Backup and Recovery	Backup Strategies, Using Windows Server Backup, Restoring Files and Folders, Bare Metal Recovery, System State Backup
28-30	Remote Desktop Services (RDS)	Introduction to RDS, Installing RDS Role, Configuring Remote Desktop Licensing, Creating Remote Desktop Sessions
31-33	Windows Server Networking	Configuring IPv4 and IPv6, Routing and Remote Access, Static vs. Dynamic Routing, VPN, Network Policies and Access Services
34-36	Windows Server Storage	Managing Storage Spaces, Configuring and Managing Volumes, File Systems, Disk Quotas, Configuring SAN and iSCSI
37-39	Active Directory Certificate Services (AD CS)	Introduction to AD CS, Installing Certification Authority, Managing Certificates, Certificate Templates, PKI Basics

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40-42	Windows Server Update Services (WSUS)	Configuring WSUS, Synchronizing Updates, Deploying Updates to Clients, Troubleshooting WSUS
43-45	Windows Server Performance Monitoring and Optimization	Performance Monitoring Tools, Performance Logs, Optimizing Server Performance, Troubleshooting Performance Issues, Using Task Manager and Resource Monitor
46-48	Managing Users and Groups with PowerShell	Introduction to PowerShell, Basic PowerShell Commands, Automating User and Group Management, PowerShell Scripting for Admins
49-51	Managing Windows Server Roles	Installing and Configuring Roles (Web Server, File Server, DHCP, DNS), Managing and Troubleshooting Roles
52-54	Windows Server Virtualization	Introduction to Hyper-V, Installing and Configuring Hyper-V, Creating Virtual Machines, Virtual Networking, Live Migration
55-57	Windows Server for Cloud Integration	Integrating Windows Server with Microsoft Azure, Hybrid Cloud Concepts, Managing Hybrid Environments, Azure AD Sync
58-60	Windows Server Troubleshooting	Common Windows Server Issues, Using Event Viewer for Troubleshooting, PowerShell for Troubleshooting, Troubleshooting Network and Connectivity Issues
61-63	Windows Server Clustering	Introduction to Windows Server Clustering, Configuring Failover Cluster, Cluster Nodes, Cluster Shared Volumes (CSV), Cluster Management
64-66	Windows Server Disaster Recovery Planning	Disaster Recovery Planning, Backup and Restore Plans, Windows Server Restore Options, High Availability (HA) and Fault Tolerance
67-69	Windows Server Security Auditing and Logging	Auditing Security Events, Using Event Viewer, Log Management, Security Auditing Best Practices
70-72	Windows Server Active Directory Federation Services (ADFS)	Introduction to ADFS, Installing ADFS, Configuring Federation Trusts, Single Sign-On (SSO), ADFS Security and Authentication
73-75	Windows Server Certificate Management	Certificate Authorities, Installing and Configuring Certificates, Certificate Revocation, SSL Certificates, Configuring SSL for Websites
76-78	Windows Server Networking and Internet Services	Configuring Remote Access and VPN, Configuring NAT, Managing IP Addressing, Configuring DirectAccess

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79-81	Managing Windows Server Logon and Access Control	Configuring Logon Policies, Account Lockout Policies, Logon Scripts, Kerberos Authentication, Managing Access Control Lists (ACLs)
82-84	Windows Server for Automation	Using Desired State Configuration (DSC), Managing Automation with PowerShell, Scheduling Tasks, Automating Windows Server Tasks
85-87	Windows Server Advanced Security	Implementing BitLocker, Configuring Windows Defender, Advanced Threat Protection, Security Baseline Configuration, Security Auditing
88-89	Windows Server Advanced Troubleshooting	Advanced Diagnostic Tools, Event Logs, Network Monitoring, Disk Analysis, System Repair Tools
90	Final Project & Certification	Final Hands-on Project (Comprehensive Windows Server Solution), Review of Key Concepts, Final Exam & Certification