DevOpsSchool

Course curriculum · November 2026

LEVEL 04 OF 04 · ADVANCED

Windows Advanced Training

Design highly available, hybrid and hardened Windows Server environments and migrate older servers with minimal disruption.

LIVE ONLINE **Max 8-10 hours**	CORPORATE (DAY-WISE) **5 days · Days 1-5**	SELF-PACED VIDEO **1-year LMS access**
BATCH SIZE **Max 10 learners**	NEXT BATCHES **1st of every month · weekends: first Saturday**	CERTIFICATE **Verifiable certificate of completion**

Foundation	Essential	Intermediate	Advanced
1 day · Included	2 days · Included	3 days · Included	5 days · This curriculum

INSIDE THIS CURRICULUM

What you will achieve	Outcomes and level focus
Who should attend	Audience and prerequisites
Agenda	47 topics · Foundation to Advanced
Hands-on labs	4 labs
Formats and fees	Live, 1:1, self-paced, corporate
Trainer and reviews	Rajesh Kumar
Enrolment	Batches, payment, contacts

WHY DEVOPSSCHOOL

- Rated 4.6 on Google
- 1,500+ verifiable certificates issued in the public registry
- Trainer Rajesh Kumar: 20 years in industry
- Small batches: max 10 learners, every session recorded

Course page: www.devopsschool.com/courses/windows/windows-advance-training.html
Talk to us: WhatsApp +91 99057 40781 · +1 (469) 756-6329 · contact@DevOpsSchool.com · reply within 1 hour

OUTCOMES

What you will achieve

By the end of the Windows course path, you will be able to:

1

Administer Windows Server

Install, configure and manage Windows Server with GUI tools and PowerShell.

2

Run core infrastructure services

Deliver Active Directory, DNS, DHCP, Group Policy, file services and Hyper-V.

3

Build resilient, secure platforms

Harden, cluster, monitor and extend Windows Server to hybrid cloud with confidence.

WHAT THE ADVANCED LEVEL ADDS

High availability, hybrid cloud, hardening and migration

Hands-on: Capstone: resilient hybrid Windows platform. Build a two-node failover cluster hosting Hyper-V VMs, connect servers to Azure Arc for monitoring and patching and rehearse a DR failover.

WHO SHOULD ATTEND

- Experienced Windows practitioners responsible for quality, security and scale.
- Senior engineers, architects and leads who design and troubleshoot Windows solutions.
- Teams making Windows an organisation-wide standard.

BEFORE YOU START

- The Intermediate level, or equivalent hands-on experience.
- You can already: Automate administration with PowerShell, secure servers and identities, monitor health and troubleshoot common failures.
- Basic computer skills and a laptop with a stable internet connection for the live sessions and labs.
- This curriculum includes every earlier level, so it is complete on its own.

AGENDA · FOUNDATION TO ADVANCED

Windows Advanced Training agenda

47 topics. Each level builds on the one before it, so this curriculum lists every earlier level in full. Days are for corporate (day-wise) delivery; live online batches cover the same agenda in max 8-10 hours.

DAY 1 — Foundation: Windows Server installation, management tools and basics

Included from Foundation

1. Windows Server overview: Standard, Datacenter and Datacenter Azure Edition and the 2025 release
2. Installation options: Server Core versus Desktop Experience and hardware requirements
3. Installing Windows Server: setup, drivers, activation and the first administrator login
4. Initial configuration: sconfig, computer name, IP addressing, DNS client settings and time
5. Management tools: Server Manager, Windows Admin Center and Remote Server Administration Tools
6. PowerShell basics: cmdlets, Get-Help, pipelines, objects and execution policy
7. Roles and features: installing and removing with Install-WindowsFeature and Server Manager
8. Local users and groups: accounts, local Administrators group and User Account Control
9. Updates: Windows Update settings, update channels and restart planning
10. Event Viewer and Task Manager: reading logs and checking resource use
11. Remote access: Remote Desktop, PowerShell remoting and Windows Firewall rules

DAY 2 — Essential: Active Directory, DNS, DHCP, Group Policy, file services

Included from Essential

12. Active Directory Domain Services: forests, domains, domain controllers and promoting the first DC
13. AD objects: organisational units, users, groups, computers and delegation of control
14. DNS server: AD-integrated zones, forward and reverse lookup, records and conditional forwarders
15. DHCP server: scopes, reservations, options, authorisation and DHCP failover
16. Group Policy: GPO creation, linking, inheritance, security filtering and gpresult
17. Common policies: password and account lockout, drive mappings, software restrictions and security settings
18. File services: SMB shares, NTFS versus share permissions and access-based enumeration
19. DFS: DFS Namespaces and DFS Replication for branch file access
20. Storage basics: disks, partitions, volumes, NTFS and ReFS and Storage Spaces
21. Hyper-V basics: installing the role, virtual switches and creating VMs
22. Backup: Windows Server Backup for system state and file recovery
23. PowerShell for daily admin: Active Directory module cmdlets and bulk user creation from CSV

DAY 3 — Intermediate: Automation, security, monitoring and troubleshooting

Included from Intermediate

24. PowerShell scripting: functions, modules, error handling and scheduled tasks
25. Desired State Configuration: declaring server configuration and checking drift
26. Security baselines: Microsoft security baselines, Windows Defender Firewall and Microsoft Defender Antivirus
27. Credential protection: Windows LAPS, Credential Guard, Protected Users and tiered admin accounts
28. Encryption: BitLocker for server volumes and SMB encryption and signing
29. Certificates: Active Directory Certificate Services, auto-enrolment and certificate lifecycle
30. Patch management: WSUS, Azure Update Manager and maintenance windows

31. IIS web server: sites, bindings, application pools and TLS certificates
32. Monitoring: Performance Monitor, data collector sets, event forwarding and alerts
33. Hyper-V operations: checkpoints, live migration basics, Hyper-V Replica and VM resource settings
34. Troubleshooting: boot issues, DNS and network problems, AD replication with repadmin and dcdiag
35. Remote management at scale: Just Enough Administration and PowerShell remoting endpoints

DAYS 4-5 **Advanced: High availability, hybrid cloud, hardening and migration** **New at this level**

36. Failover clustering: quorum and witness, cluster validation and clustered roles
37. Storage Spaces Direct: hyperconverged design, resiliency types and cache behaviour
38. Hyper-V clusters: Cluster Shared Volumes, live migration and cluster-aware updating
39. Active Directory resilience: sites and services, replication topology, FSMO roles and forest recovery
40. AD security hardening: tiered administration, privileged access workstations and attack path reduction
41. Hybrid management: Azure Arc-enabled servers, Azure Monitor, Defender for Servers and hotpatching
42. Hybrid identity: Microsoft Entra Connect Sync and cloud sync and password hash synchronisation
43. Hybrid file services: Azure File Sync and cloud tiering
44. Disaster recovery: Hyper-V Replica, Azure Site Recovery and documented recovery plans
45. Migration: Storage Migration Service, in-place upgrades and moving roles to Windows Server 2025
46. Governance: configuration baselines, change control, audit policy and compliance reporting
47. Capstone: a clustered, hybrid-managed and hardened Windows Server platform

PRACTICE

Hands-on labs

You build these yourself during the course, guided by the trainer.

FOUNDATION

Install and configure a Windows Server

Install Windows Server Core and Desktop Experience VMs, configure networking with sconfig and PowerShell and manage both from Windows Admin Center.

ESSENTIAL

Build a small business domain

Promote a domain controller with DNS, add DHCP, create OUs and users from CSV, apply Group Policies and publish a departmental file share.

INTERMEDIATE

Automate and harden a server fleet

Write PowerShell to configure three servers consistently, apply a security baseline and LAPS, set up WSUS and diagnose an AD replication fault.

ADVANCED

Capstone: resilient hybrid Windows platform

Build a two-node failover cluster hosting Hyper-V VMs, connect servers to Azure Arc for monitoring and patching and rehearse a DR failover.

HOW YOU CAN LEARN

Formats and fees

The same agenda in four formats. Fees are in Indian rupees as of November 2026; the course page shows them in your currency.

FORMAT	DURATION	WHAT YOU GET	FEE
Live & interactive (online)	Max 8-10 hours	Instructor-led public batch of max 10 learners with demos, labs, Q&A and assignment review. Weekday batches start on the 1st of every month, weekend batches on the first Saturday of every month.	**INR 34,999**
1:1 live training (online)	Max 8-10 hours, one-to-one	The same agenda, taught one-to-one by the trainer. Starts immediately, without waiting for the next batch; sessions planned around your working hours, at your pace.	**INR 99,999**
Self-paced video	1-year LMS access	All four Windows levels, plus 20+ more courses and 50+ tools, at your own pace.	**INR 833/month** billed yearly at INR 9,996
Corporate (day-wise)	5 days for this level	A private batch for your team, on demand. Foundation 1 day, Essential 2, Intermediate 3, Advanced 5 (cumulative).	**Quote on request**

ASSESSMENT AND CERTIFICATE

Your progress is checked through hands-on labs and assignments at every level. On completion you receive a DevOpsSchool certificate of completion with a unique credential ID that anyone can verify at devopsschool.com/certificates.

INCLUDED WITH EVERY LIVE BATCH

- Every live session is recorded and stays in your LMS for a year.
- Can't attend your batch? Move to next month's batch.
- Free demo class before you pay.
- Free 10-15 minute call with an advisor or the trainer to check the course fits you.

YOUR TRAINER

Learn from Rajesh Kumar

Principal Architect, trainer and mentor in DevOps, SRE, DevSecOps and platform engineering, with 20 years across 8+ software MNCs, including Staff DevOps/SRE Engineer for a leading Japanese mobile-payment platform and Principal DevOps Architect and Manager in Europe.

Profile: www.rajeshkumar.xyz · Videos: youtube.com/@TheDevOpsSchool

20 years in industry	**200+** corporate trainings
10,000+ engineers mentored	**70+** organisations coached

REVIEWS

What learners say

Rated 4.6 on Google · more reviews at devopsschool.com/testimonials and in our video testimonials.

> “Rajesh is very good trainer. Rajesh was able to resolve our queries and question effectively. We really liked the hands-on examples covered during this training program.”
>
> Indrayani, India

> “The training was very useful and interactive. Rajesh helped develop the confidence of all.”
>
> Abhinav Gupta, Pune

START YOUR WINDOWS TRAINING

Join the next batch

Weekday batches start on the 1st of every month and weekend batches on the first Saturday of every month, with max 10 learners each. 1:1 training can start immediately; corporate batches run on demand. We reply within 1 hour.

Pay by UPI, credit and debit cards, net banking or PayPal. Before you pay, read our refund policy. All levels of this course: www.devopsschool.com/courses/windows/

ENROL OR RESERVE A SEAT
Windows Advanced Training

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