DevOpsSchool

Course curriculum · November 2026

LEVEL 04 OF 04 · ADVANCED

Vmware Advanced Training

Design and operate enterprise VMware platforms with Cloud Foundation, NSX, vSphere Kubernetes, disaster recovery and governance.

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/vmware/vmware-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 Vmware course path, you will be able to:

1

Administer vSphere confidently

Install, configure and operate ESXi, vCenter, networking, storage and virtual machines.

2

Deliver high availability

Use vMotion, HA, DRS, vSAN and disaster recovery to keep workloads running.

3

Design enterprise platforms

Automate, secure and scale VMware Cloud Foundation and NSX for private cloud workloads.

WHAT THE ADVANCED LEVEL ADDS

VMware Cloud Foundation, NSX, Kubernetes and enterprise design

Hands-on: Capstone: enterprise private cloud design. Design and build a workload domain with NSX micro-segmentation, a replicated DR plan and automated VM provisioning, then present the design decisions.

WHO SHOULD ATTEND

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

BEFORE YOU START

- The Intermediate level, or equivalent hands-on experience.
- You can already: Protect workloads with HA and DRS, keep hosts patched with Lifecycle Manager, automate with PowerCLI and secure vSphere.
- 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

Vmware 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: Virtualization concepts, ESXi, vCenter and first VMs

Included from Foundation

1. Virtualization concepts: type 1 hypervisors, virtual hardware, consolidation and isolation
2. VMware portfolio today: vSphere, VMware Cloud Foundation and vSphere Foundation and how they relate
3. vSphere architecture: ESXi hosts, vCenter Server, datacenters, clusters and inventory objects
4. Installing ESXi: hardware compatibility, boot media, DCUI configuration and the Host Client
5. Deploying vCenter Server: the vCenter Server Appliance installer, SSO domain and first login
6. vSphere Client tour: inventory views, tasks, events and object navigation
7. Creating virtual machines: VM hardware versions, guest OS selection, CPU, memory, disks and NICs
8. VMware Tools: installation, open-vm-tools on Linux and why tools matter
9. VM operations: power operations, console access, editing settings and VM files on the datastore
10. Cloning and golden images: cloning VMs and storing reusable images in a content library
11. Basic networking and storage: standard switches, port groups and local VMFS datastores

DAY 2 Essential: Networking, storage, vMotion and resource management

Included from Essential

12. Standard switches: uplinks, port groups, VLAN tagging, NIC teaming and failover policies
13. Distributed switches: creation, host membership, distributed port groups and migration from standard switches
14. VMkernel adapters: management, vMotion, storage and vSAN traffic separation
15. Shared storage: VMFS on iSCSI and Fibre Channel, NFS datastores and multipathing
16. vSAN basics: disk groups versus Express Storage Architecture, storage policies and health checks
17. Thin and thick provisioning: disk types, space reclamation and datastore capacity monitoring
18. vMotion and Storage vMotion: requirements, compatibility and cross-vCenter migration
19. Snapshots: creating, reverting and consolidating snapshots and their risks
20. Resource management: shares, reservations, limits and resource pools
21. Access control: SSO identity sources, roles, permissions and global permissions
22. Monitoring: performance charts, alarms, events and tasks in the vSphere Client
23. Content libraries: subscribed and local libraries and deploying VMs and OVF files from them

DAY 3 Intermediate: Availability, lifecycle, automation and security

Included from Intermediate

24. vSphere HA: admission control, host isolation responses, heartbeat datastores and VM monitoring
25. DRS: automation levels, migration thresholds, affinity and anti-affinity rules
26. Fault Tolerance: requirements, use cases and limits for continuous availability
27. vSphere Lifecycle Manager: cluster images, firmware add-ons, remediation and compliance
28. Host profiles: capturing host configuration and checking compliance
29. PowerCLI: connecting to vCenter, bulk VM tasks, reporting and scripted configuration
30. Backup and restore: vCenter file-based backup and VM backup with VADP-based tools

31. Certificates: VMCA modes, replacing certificates and certificate expiry alarms
32. Security: ESXi lockdown mode, VM encryption, vTPM, Secure Boot and the security configuration guide
33. Logging and troubleshooting: esxcli, log bundles, syslog forwarding and common host and VM issues
34. vSAN operations: maintenance mode options, resync, capacity management and fault domains
35. Performance troubleshooting: CPU ready, memory ballooning, storage latency and esxtop

DAYS 4-5 **Advanced: VMware Cloud Foundation, NSX, Kubernetes and enterprise design** — New at this level

36. VMware Cloud Foundation architecture: SDDC Manager, management and workload domains and lifecycle automation
37. NSX: overlay segments, Tier-0 and Tier-1 gateways, distributed firewall and micro-segmentation
38. vSphere Supervisor: running Kubernetes workloads and VMs side by side with vSphere namespaces
39. Stretched clusters: vSAN stretched cluster design, witness placement and site failure behaviour
40. Disaster recovery: vSphere Replication, VMware Live Site Recovery plans and recovery testing
41. Operations at scale: VCF Operations for capacity planning, performance analytics and right-sizing
42. Automation at scale: VCF Automation, Terraform providers for vSphere and NSX and PowerCLI pipelines
43. Performance design: NUMA, CPU and memory sizing, latency sensitivity and large VM tuning
44. Security hardening: vSphere security baselines, role design, audit logging and patch governance
45. Upgrades and migrations: upgrade sequencing across vCenter, ESXi and vSAN and cross-version planning
46. Licensing and subscription awareness: core-based subscriptions and planning cluster sizes
47. Capstone: design a highly available, secure VMware platform for a multi-team private cloud

PRACTICE

Hands-on labs

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

FOUNDATION **Build a first vSphere environment**
Install ESXi hosts in a nested lab, deploy vCenter Server, add the hosts to a datacenter and create, clone and power on Linux and Windows VMs.

ESSENTIAL **Configure shared storage and vMotion**
Build a distributed switch, connect hosts to iSCSI or NFS shared storage and live-migrate a running VM between hosts with vMotion.

INTERMEDIATE **Build a resilient automated cluster**
Enable HA and DRS on a cluster, remediate hosts with a Lifecycle Manager image, simulate a host failure and report VM health with PowerCLI.

ADVANCED **Capstone: enterprise private cloud design**
Design and build a workload domain with NSX micro-segmentation, a replicated DR plan and automated VM provisioning, then present the design decisions.

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 Vmware 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 VMWARE 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/vmware/

ENROL OR RESERVE A SEAT
Vmware Advanced Training

WHATSAPP · INDIA
+91 99057 40781

WHATSAPP · USA
+1 (469) 756-6329

EMAIL
contact@DevOpsSchool.com