DevOpsSchool

Course curriculum · November 2026

LEVEL 03 OF 04 · INTERMEDIATE

# Harvester Intermediate Training

Monitor and troubleshoot Harvester, secure the cluster, back up and restore VMs and manage Harvester from Rancher.

| | | |
|---|---|---|
| **LIVE ONLINE**<br>Max 8-10 hours | **CORPORATE (DAY-WISE)**<br>3 days · Days 1-3 | **SELF-PACED VIDEO**<br>1-year LMS access |
| **BATCH SIZE**<br>Max 10 learners | **NEXT BATCHES**<br>1st of every month · weekends: first Saturday | **CERTIFICATE**<br>Verifiable certificate of completion |

| Foundation | Essential | Intermediate | Advanced |
|---|---|---|---|
| 1 day · Included | 2 days · Included | 3 days · This curriculum | 5 days · Next step |

## INSIDE THIS CURRICULUM


| | |
|---|---|
| What you will achieve | Outcomes and level focus |
| Who should attend | Audience and prerequisites |
| Agenda | 34 topics · Foundation to Intermediate |
| Hands-on labs | 3 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/harvester/harvester-and-intermediate-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 Harvester course path, you will be able to:

1

### Run VMs on Harvester

Install Harvester and create, configure, migrate and manage virtual machines on hyperconverged infrastructure.

2

### Configure storage and networking

Design Longhorn storage, VLAN networks and load balancers for production workloads.

3

### Operate resilient HCI clusters

Secure, monitor, back up, integrate with Rancher and upgrade highly available Harvester clusters.

WHAT THE INTERMEDIATE LEVEL ADDS

### Monitoring, security, backup and Rancher integration

**Hands-on:** Secure, back up and centralise Harvester. Enable monitoring and logging, apply role-based access, back up and restore VMs to S3 and import the cluster into Rancher to provision a guest RKE2 cluster.

WHO SHOULD ATTEND

- Regular Harvester users who want to automate, integrate and manage it at a deeper level.
- Specialists who support Harvester for colleagues or customers.
- Leads preparing Harvester for wider use across projects.

BEFORE YOU START

- The Essential level, or equivalent hands-on experience.
- You can already: Configure storage and networking in Harvester, migrate VMs between hosts and handle everyday cluster operations.
- 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 INTERMEDIATE

# Harvester Intermediate Training agenda

34 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: HCI concepts, architecture, installation and first VMs

Included from Foundation

1. Introduction to Harvester: overview of features, architecture and use cases for open source HCI
2. Harvester building blocks: SUSE Linux Enterprise Micro, RKE2, KubeVirt and Longhorn
3. Harvester installation prerequisites: hardware, CPU virtualization, disks, NICs and network planning
4. Deployment options: ISO install, PXE boot, USB install and joining additional nodes
5. Post-installation configuration: cluster VIP, NTP, DNS, SSL certificates and settings
6. Harvester management interface: overview and navigation of the dashboard, hosts and resources
7. VM images: uploading ISO and qcow2 images and downloading images from URLs
8. Managing virtual machines in Harvester: provisioning with CPU, memory, disks and networks
9. Cloud-init: user data and network data for automated guest configuration
10. VM operations: start, stop, restart, console access, resizing and SSH keys
11. Lab: installing and configuring Harvester and creating first virtual machines

## DAY 2 — Essential: Storage, networking, migration and day-to-day operations

Included from Essential

12. Storage configuration in Harvester: Longhorn storage pools, volumes and replica policies
13. Storage classes: replica count, disk selectors and data locality settings
14. Volume operations: hot-plugging volumes, expanding disks and volume snapshots
15. Networking setup in Harvester: management network, cluster networks and network configs
16. VLAN networks: uplink NICs, bonding modes and attaching VMs to VLANs
17. Load balancers: VM load balancers and IP pools for exposing workloads
18. VM migration: live migration between hosts and resizing running workloads
19. Host management: maintenance mode, cordoning nodes and adding or removing disks
20. Reusable VM definitions: VM configurations, SSH key pairs and namespaces for teams
21. Lab: configuring storage resources and networking in Harvester
22. Lab: managing VMs in Harvester with migrations and snapshots

## DAY 3 — Intermediate: Monitoring, security, backup and Rancher integration

**New at this level**

23. Monitoring and troubleshooting: monitoring cluster health with the Prometheus and Grafana add-on
24. Logging and alerting: the logging add-on, log outputs and alert notifications
25. Troubleshooting common issues: support bundles, node and VM events and kubectl access
26. Lab: monitoring and troubleshooting in Harvester
27. Security best practices: network security, access controls and encryption in Harvester
28. Access control: users, roles and namespaces through Rancher multi-tenancy
29. Lab: implementing security measures in Harvester
30. Backup and recovery: strategies and techniques for backing up and restoring data in Harvester

31. Backup targets: NFS and S3-compatible backup targets, VM backups, restores and snapshots
32. Lab: implementing backup and recovery in Harvester
33. Integration with Rancher: overview of integrating Harvester with Rancher for centralized management
34. Lab: integrating Harvester with Rancher and provisioning guest Kubernetes clusters

PRACTICE

## Hands-on labs

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

FOUNDATION

**Install Harvester and launch VMs**

Install a Harvester cluster from ISO, upload a cloud image and provision Linux virtual machines configured through cloud-init.

ESSENTIAL

**Configure storage, VLANs and migration**

Create storage classes and a VLAN network, attach VMs to them, expose a service through a load balancer and live-migrate a VM during host maintenance.

INTERMEDIATE

**Secure, back up and centralise Harvester**

Enable monitoring and logging, apply role-based access, back up and restore VMs to S3 and import the cluster into Rancher to provision a guest RKE2 cluster.

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 Harvester levels, plus 20+ more courses and 50+ tools, at your own pace. | **INR 833/month** billed yearly at INR 9,996 |
| **Corporate (day-wise)** | 3 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 HARVESTER 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/harvester/

ENROL OR RESERVE A SEAT
**Harvester Intermediate Training**

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**Next step after this level: Harvester Advanced Training** - Design Harvester for high availability, disaster recovery and scale, and apply real-world deployment patterns and upgrades.