DevOpsSchool

Course curriculum · November 2026

LEVEL 01 OF 04 · FOUNDATION

Rancher Foundation Training

Explain Rancher's architecture, build a Kubernetes cluster with RKE2 and install Rancher to manage it.

LIVE ONLINE **Max 8-10 hours**	CORPORATE (DAY-WISE) **1 day · Day 1**	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 · This curriculum	2 days · Next step	3 days · Later	5 days · Later

INSIDE THIS CURRICULUM

What you will achieve	Outcomes and level focus
Who should attend	Audience and prerequisites
Agenda	12 topics · Foundation
Hands-on labs	1 lab
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/rancher/rancher-foundation-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 Rancher course path, you will be able to:

1

Manage Kubernetes with Rancher

Install Rancher and provision, import and manage Kubernetes clusters from one console.

2

Operate clusters day two

Back up, upgrade, monitor, log and troubleshoot Rancher and downstream clusters.

3

Scale securely with GitOps

Run HA, hardened, multi-cluster platforms with Fleet, policies and RKE2.

WHAT THE FOUNDATION LEVEL ADDS

Rancher architecture, RKE, RKE2 and first install

Hands-on: Install RKE2 and Rancher. Prepare Linux nodes, build an RKE2 cluster, install Rancher on it and import a second cluster into the Rancher dashboard.

WHO SHOULD ATTEND

- Beginners and working professionals who are new to Rancher and want a solid, hands-on start.
- Engineers, analysts, testers and students preparing to use Rancher on real work.
- Leads and managers who want first-hand familiarity with Rancher.

BEFORE YOU START

- No prior Rancher experience is needed.
- 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

Rancher Foundation Training agenda

12 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: Rancher architecture, RKE, RKE2 and first install** — New at this level

1. Intro to Rancher: multi-cluster Kubernetes management, Rancher Prime vs community edition and current 2.x releases
2. Learning the Rancher architecture: Rancher server components, authentication proxy, cluster controllers and agents
3. Communication with downstream clusters: cattle-cluster-agent, node agents, tunnels and kubeconfig proxying
4. Architectural best practices: a dedicated management cluster, high availability, load balancer and DNS
5. Discovering RKE: RKE1 concepts and its end of life, RKE2 and K3s as the current Kubernetes distributions
6. Installing RKE: the rke binary, SSH and Docker requirements; installing RKE2 with the install script
7. Preparing nodes for Kubernetes: OS requirements, swap, kernel modules, firewall ports and container runtime
8. Creating the cluster configuration file: cluster.yml for RKE, config.yaml for RKE2 and node roles
9. Certificate options: Rancher self-signed, your own CA, and Let's Encrypt with cert-manager
10. Deploying Kubernetes: rke up or starting rke2-server and agents, then retrieving the kubeconfig
11. Installing Rancher with Docker: single-node install for development and evaluation
12. First login: bootstrap password, server URL, the Rancher dashboard and importing an existing cluster

PRACTICE

Hands-on labs

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

FOUNDATION **Install RKE2 and Rancher**

Prepare Linux nodes, build an RKE2 cluster, install Rancher on it and import a second cluster into the Rancher dashboard.

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 Rancher levels, plus 20+ more courses and 50+ tools, at your own pace.	**INR 833/month** billed yearly at INR 9,996
Corporate (day-wise)	1 day 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 RANCHER 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/rancher/

ENROL OR RESERVE A SEAT
Rancher Foundation Training

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Next step after this level: Rancher Essential Training - Install Rancher on Kubernetes with Helm, provision downstream clusters and deploy, expose and configure workloads from Rancher.