DevOpsSchool

Course curriculum · November 2026

LEVEL 01 OF 04 · FOUNDATION

Docker Foundation Training

Explain how containers use the Linux kernel, install and configure Docker Engine, and run your first containers with confidence.

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/docker/docker-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 Docker course path, you will be able to:

1

Understand container internals

Explain how namespaces, cgroups, layered filesystems and the dockerd, containerd and runc stack make containers work.

2

Operate Docker confidently

Run, monitor and troubleshoot containers, volumes and networks with the Docker CLI on Linux and Windows hosts.

3

Build and ship images

Write efficient Dockerfiles, publish images to Docker Hub, Artifactory, Nexus, ECR or ACR, and run stacks with Compose.

WHAT THE FOUNDATION LEVEL ADDS

Container concepts, Docker architecture and installation

Hands-on: Install Docker and run containers. Install Docker Engine on Ubuntu, configure it to start on boot for a non-root user, and run hello-world and an Nginx container.

WHO SHOULD ATTEND

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

BEFORE YOU START

- No prior Docker 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

Docker 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: Container concepts, Docker architecture and installation

New at this level

1. Required components of a running software environment: introduction of hardware, kernel, user space and the application
2. Linux kernel building blocks: namespaces (pid, net, mnt, uts, ipc, user), cgroups and capabilities
3. Container filesystems: boot filesystem, root filesystem, user filesystem and app filesystem
4. What is Docker: introduction of Docker and containers, components of containers and how containers work
5. History and origin of Docker: dotCloud, the Moby project, types of release, finding the latest Docker Engine version
6. Technology used in Docker development: Go, containerd, runc, OCI image and runtime specs; official website and docs.docker.com
7. Major use cases, features and advantages of Docker: dev and prod parity, microservices, CI/CD, fast startup and density
8. Terminology and components of Docker: Docker Engine (dockerd), CLI, REST API, Docker Registry, Docker Image, Docker Container
9. Architecture of Docker: client-server model and how docker run flows through dockerd, containerd and runc
10. Workflow of Docker: build, ship and run lifecycle; best alternatives such as Podman, nerdctl with containerd and LXC
11. Installing Docker: CentOS 7 and RHEL repositories, Ubuntu 20.04 and later apt repository, Windows Server 2019
12. Configuring Docker: daemon.json basics, systemctl enable docker, the docker group for non-root use, hello-world check

PRACTICE

Hands-on labs

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

FOUNDATION

Install Docker and run containers

Install Docker Engine on Ubuntu, configure it to start on boot for a non-root user, and run hello-world and an Nginx container.

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 Docker 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 DOCKER 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/docker/

ENROL OR RESERVE A SEAT
Docker Foundation Training

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Next step after this level: Docker Essential Training - Manage the full container lifecycle with everyday Docker commands and choose correctly between Docker, Podman, VMs and Kubernetes pods.