DevOpsSchool

Course curriculum · November 2026

LEVEL 01 OF 04 · FOUNDATION

Operating System Foundation Training

Explain what an operating system does, how it boots and manages processes, memory and files, and work confidently at the shell.

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	11 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/os/operating-system-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 Operating System course path, you will be able to:

1

Understand OS internals

Explain how processes, memory, storage and the kernel work together on Linux and Windows.

2

Administer Linux and Windows

Manage services, storage, users, networking and automation on both platforms.

3

Tune and secure systems

Harden, troubleshoot and performance-tune operating systems across large fleets.

WHAT THE FOUNDATION LEVEL ADDS

Operating system concepts, boot process and shells

Hands-on: Install and explore two operating systems. Install Ubuntu and Windows Server VMs, inspect boot logs, running processes and file permissions, and update both systems.

WHO SHOULD ATTEND

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

BEFORE YOU START

- No prior Operating System 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

Operating System Foundation Training agenda

11 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: Operating system concepts, boot process and shells

New at this level

1. Role of an operating system: kernel, user space, system calls and hardware abstraction
2. OS families: Linux distributions, Windows Server and macOS, and where each runs in IT
3. Kernel types: monolithic, microkernel and hybrid designs with Linux and Windows NT as examples
4. Boot process: UEFI or BIOS, GRUB, kernel and initramfs, systemd and Windows Boot Manager
5. Processes and threads: PIDs, process states, parent and child processes, fork and exec
6. Memory basics: physical and virtual memory, pages, swap and the page cache
7. File systems basics: files, directories, inodes, permissions and the Linux directory hierarchy
8. Users and groups: accounts, sudo, UAC on Windows and the principle of least privilege
9. Shell essentials: bash and PowerShell navigation, pipes, redirection and getting help
10. Installing an OS: a Linux VM with Ubuntu or RHEL and a Windows Server evaluation VM
11. Packages and updates: apt, dnf and winget basics and patching routines

PRACTICE

Hands-on labs

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

FOUNDATION

Install and explore two operating systems

Install Ubuntu and Windows Server VMs, inspect boot logs, running processes and file permissions, and update both systems.

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 Operating System 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 OPERATING SYSTEM 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/os/

ENROL OR RESERVE A SEAT
Operating System Foundation Training

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Next step after this level: Operating System Essential Training - Manage processes, memory, storage, services and networking on Linux and Windows using everyday administration tools.