DevOpsSchool

Course curriculum · November 2026

LEVEL 01 OF 04 · FOUNDATION

Linux Foundation Certified SysAdmin (LFCS) Training

Run services with systemd, read performance data, build RPMs and serve files over NFS and Samba on a working lab network.

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 1 day · This curriculum	**Essential** 2 days · Next step	**Intermediate** 3 days · Later	**Advanced** 5 days · Later

INSIDE THIS CURRICULUM

What you will achieve	Outcomes and level focus
Who should attend	Audience and prerequisites
Agenda	14 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/linux/linux-foundation-certified-SysAdmin-lfcs.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 Linux SysAdmin (LFCS) course path, you will be able to:

1

Run reliable Linux services

Configure, monitor and troubleshoot systemd services, packages, file sharing and performance on RHEL and Ubuntu servers.

2

Secure storage and networks

Build LVM, RAID and encrypted storage and protect hosts with firewalls, SELinux and hardened SSH.

3

Operate fleets at scale

Automate provisioning, identity, patching, backups and high availability across many Linux servers.

WHAT THE FOUNDATION LEVEL ADDS

Systemd services, performance, packages, NFS and Samba

Hands-on: Build a service and file-sharing server. Create a custom systemd service with automatic restart, publish a local yum repository with your own RPM, and share one directory over NFS and Samba to a client VM.

WHO SHOULD ATTEND

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

BEFORE YOU START

- No prior Linux SysAdmin (LFCS) 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

Linux Foundation Certified SysAdmin (LFCS) Training agenda

14 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: Systemd services, performance, packages, NFS and Samba

New at this level

1. Introduction and lab setup: course overview, Linux Foundation LFCS and LFCE versus Red Hat RHCE, lab layout and lab network review
2. Boot and init systems: how a computer starts up, init daemons, starting and stopping services with systemctl
3. systemd architecture: units, unit types, unit file location and anatomy, unit precedence and automatic restart
4. systemd targets, control groups and journals: working with targets, investigating cgroups, reading logs with journalctl
5. xinetd extended internet services daemon: how on-demand services are launched, configuring TFTP under xinetd
6. CPU and memory performance: scheduling, CPU topology, load averages and waits, isolating CPU and memory hogs, swap, file cache
7. Disk and network performance: I/O patterns, file systems, high-I/O processes, disk latency, socket queues and network hogs
8. Baselining and benchmarking: performance monitoring tools, sysstat reports with sar and iostat, live views with dstat
9. RPM packages: the case for packages, package anatomy, querying with rpm, building a source RPM and an RPM from source
10. yum and repositories: updating the system, package groups, searching, repository configuration, creating your own repository
11. NFS server and client: architecture and data movement, services and versions, exports, client mounts and options, showmount
12. NFS security: file permissions, Kerberos authentication, group collaboration, SELinux, performance and monitoring
13. Samba server: why Samba, architecture and server services, install, client authentication, smb.conf, file security, users and shares
14. Samba clients and troubleshooting: smbclient, mounting shares with cifs, SELinux, performance and a collaboration share

PRACTICE

Hands-on labs

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

FOUNDATION

Build a service and file-sharing server

Create a custom systemd service with automatic restart, publish a local yum repository with your own RPM, and share one directory over NFS and Samba to a client VM.

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 Linux SysAdmin (LFCS) 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 LINUX SYSADMIN (LFCS) 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/linux/

ENROL OR RESERVE A SEAT
Linux Foundation Certified SysAdmin (LFCS) Training

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Next step after this level: Linux Sysadmin Lfcs Essential Training - Handle daily LFCS tasks: manage files, text, users, permissions, processes, scheduled jobs, disks and SSH access from the command line.