DevOpsSchool

Course curriculum · November 2026

LINUX SYSADMIN (LFCS) · TRAINING PROGRAM

Embedded Linux Porting Hacks Training

A practical, hands-on Embedded Linux Porting Hacks Training curriculum: 41 topics over 3 days. Learn live online in a small batch, as a private corporate batch, or self-paced with one year of LMS access.

LIVE ONLINE Max 8-10 hours	**CORPORATE** Private team batch, on demand	**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

INSIDE THIS CURRICULUM

Who should attend	Objectives, audience, prerequisites
Agenda	41 topics over 3 days
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/embedded-linux-porting-hacks.html
Talk to us: WhatsApp +91 99057 40781 · +1 (469) 756-6329 · contact@DevOpsSchool.com · reply within 1 hour

COURSE FIT

Who this program is for

Use this page to decide whether Embedded Linux Porting Hacks Training matches your role and experience.

1

Objectives

Understand the core concepts and usage model, apply practical workflows through examples and guided tasks, and prepare for implementation, certification or team adoption.

2

Who should attend

Developers, DevOps engineers, administrators, SREs, security engineers, platform teams, release teams, technical leads and corporate teams working with this topic.

3

Before you start

Basic computer literacy and awareness of software, operations, cloud, DevOps or security workflows is helpful. Deep programming experience is not needed unless the topic requires it.

AGENDA AT A GLANCE · 41 TOPICS OVER 3 DAYS

Day 1

13 topics · Session 1: Getting comfortable with Embedded Linux System

Day 2

12 topics · Session 3: Recovering the Bricked board

Day 3

16 topics · Session 5: Playing around with Kernel Booting

AGENDA · 41 TOPICS OVER 3 DAYS

Embedded Linux Porting Hacks Training agenda

Days are for corporate (day-wise) delivery; live online batches cover the agenda in max 8-10 hours.

DAY 1

13 topics

1. Session 1: Getting comfortable with Embedded Linux System
2. Embedded System Components
3. Target board features
4. Target board Images
5. Exercises
6. Excercises
7. Session 2: Understanding the Embedded Linux boot up flow
8. Understand the booting up concept
9. PC Boot flow
10. Target board boot up flow
11. Recover the board using the u-boot
12. Paritiioning the SD Card
13. Populating the RootFS

DAY 2

12 topics

14. Session 3: Recovering the Bricked board
15. Understanding the uboot environmental variables
16. Understaning the need for ramdisk
17. Excercises
18. Recovering the bricked board with serial interface
19. Modifying the bootargs to boot up with back-up partition
20. Session 4: Bootloaders
21. Bootloader Stages
22. Bootloader design constraints
23. Understanding U-Boot
24. Saving the U-Boot environment in SD Card
25. Adding the custom command in u-boot

DAY 3

16 topics

26. Session 5: Playing around with Kernel Booting
27. Configure & build the Kernel
28. Understand the Initramfs & boot-up the kernel with the same
29. Understand the NFS parameters
30. Understand the basics of Device Tree Blob (DTB)
31. SExcercises

32. Configure & build the Kenrel with initramfs support
33. Tweaking the bootargs to boot up with NFS rootfs
34. Modifying & building the DTB to configure the platform specific features
35. Session 6: Optimizing the boot up time
36. Measuring the boot-up time
37. Optimizing techniques
38. Excercises
39. Optimization at the Bootloaders
40. Optimization at Kernel space
41. Optimization at User Space

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	This program plus 20+ more courses and 50+ tools, at your own pace.	**INR 833/month** billed yearly at INR 9,996
Corporate	Planned with your team	A private batch for your team, on demand, with examples mapped to your platforms.	**Quote on request**

ASSESSMENT AND CERTIFICATE

Your progress is checked through hands-on tasks and assignments. 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 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 courses: www.devopsschool.com/courses/

ENROL OR RESERVE A SEAT
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