DevOpsSchool

Course curriculum · November 2026

LEVEL 01 OF 04 · FOUNDATION

Tuf Foundation Training

Explain the attacks TUF defends against, describe its roles and metadata and inspect a working TUF repository.

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	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/tuf/tuf-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 Tuf course path, you will be able to:

1

Understand update security

Explain TUF roles, metadata and the attacks they prevent in software distribution.

2

Build TUF repositories

Create, sign, publish and consume TUF metadata with python-tuf and other implementations.

3

Operate TUF safely

Manage keys, delegations, rotation and compromise recovery for production update systems.

WHAT THE FOUNDATION LEVEL ADDS

Software update security and TUF roles

Hands-on: Inspect and verify TUF metadata. Download metadata from a public TUF repository, decode each role file and trace how the client verifies a target from the trusted root.

WHO SHOULD ATTEND

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

BEFORE YOU START

- No prior Tuf 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

Tuf 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: Software update security and TUF roles

New at this level

1. Software update risks: compromised repositories, mirrors and signing keys in real supply chain incidents
2. What TUF is: The Update Framework specification, CNCF graduated project and its design goals
3. Attacks addressed: arbitrary software, rollback, freeze, mix-and-match, endless data and fast-forward attacks
4. Top-level roles: root, targets, snapshot and timestamp and what each one signs
5. Metadata files: root.json, targets.json, snapshot.json and timestamp.json structure and fields
6. Signatures and thresholds: multiple keys per role and why thresholds limit key compromise
7. Expiration and versioning: expiry dates, version numbers and how clients detect stale data
8. Client workflow: the update steps from trusted root to downloading and verifying a target
9. Where TUF is used: Sigstore root of trust, PyPI PEP 458, Notary v1 and Uptane for vehicles
10. Tool setup: python-tuf install and project layout in a Python virtual environment
11. First look: reading a public TUF repository's metadata and verifying signatures by hand

PRACTICE

Hands-on labs

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

FOUNDATION

Inspect and verify TUF metadata

Download metadata from a public TUF repository, decode each role file and trace how the client verifies a target from the trusted root.

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 Tuf 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 TUF 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/tuf/

ENROL OR RESERVE A SEAT
Tuf Foundation Training

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Next step after this level: Tuf Essential Training - Create a TUF repository, sign metadata with the python-tuf Metadata API and build a client that safely fetches updates.