DevOpsSchool

Course curriculum · November 2026

LEVEL 02 OF 04 · ESSENTIAL

# Opentofu Essential Training

Build a real OpenTofu project with modules, variables, outputs and remote state, and troubleshoot common workflow errors.

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|---|---|---|
| LIVE ONLINE<br>**Max 8-10 hours** | CORPORATE (DAY-WISE)<br>**2 days · Days 1-2** | SELF-PACED VIDEO<br>**1-year LMS access** |
| BATCH SIZE<br>**Max 10 learners** | NEXT BATCHES<br>**1st of every month · weekends: first Saturday** | CERTIFICATE<br>**Verifiable certificate of completion** |

| Foundation | Essential | Intermediate | Advanced |
|---|---|---|---|
| 1 day · Included | 2 days · This curriculum | 3 days · Next step | 5 days · Later |

## INSIDE THIS CURRICULUM


| | |
|---|---|
| What you will achieve | Outcomes and level focus |
| Who should attend | Audience and prerequisites |
| Agenda | 24 topics · Foundation to Essential |
| Hands-on labs | 2 labs |
| 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/opentofu/opentofu-essential-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 Opentofu course path, you will be able to:

1

### Codify infrastructure with OpenTofu

Write clean, modular OpenTofu configurations that provision real cloud infrastructure.

2

### Manage state and teams

Run remote, locked and encrypted state with collaborative multi-environment workflows.

3

### Automate and secure IaC

Deliver infrastructure through tested, scanned CI/CD pipelines at enterprise scale.

WHAT THE ESSENTIAL LEVEL ADDS

### Core concepts, modules, state and remote backends

**Hands-on:** Build a modular network and compute stack. Create a VPC, subnets and a VM using registry and local modules, store state in a remote backend with locking and expose outputs.

WHO SHOULD ATTEND

- Learners who know the basics of Opentofu and want to use it confidently every day.
- Professionals taking over Opentofu work on a live project.
- Teams agreeing on a common way of working with Opentofu.

BEFORE YOU START

- The Foundation level, or equivalent hands-on experience.
- You can already: Understand OpenTofu and how it relates to Terraform, install it and provision your first cloud resource with init, plan and apply.
- 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 TO ESSENTIAL

# Opentofu Essential Training agenda

24 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: IaC concepts, OpenTofu installation and core workflow

Included from Foundation

1. Introduction to OpenTofu: overview of OpenTofu and its ecosystem, open governance and the OpenTofu Registry
2. Comparison with Terraform: the licence change, the fork, compatibility and where the tools now differ
3. Key features and benefits: state encryption, provider-defined functions, early evaluation and OCI registry support
4. Infrastructure as code concepts: declarative versus imperative, idempotency, drift and immutable infrastructure
5. Installation and setup of OpenTofu: installer script, package managers, tofu version and editor extensions
6. Configuration files and structure: .tf and .tofu files, HCL blocks, arguments and expressions
7. Core workflow: tofu init, plan, apply and destroy explained step by step
8. Providers: required_providers, version constraints and the dependency lock file
9. Cloud authentication: AWS, Azure and Google Cloud credentials for OpenTofu
10. First configuration: provision a storage bucket or VM and read the plan and outputs
11. Formatting and validation: tofu fmt, tofu validate and reading plan symbols

## DAY 2 — Essential: Core concepts, modules, state and remote backends

**New at this level**

12. OpenTofu core concepts: modules, providers and resources and how they relate
13. Managing infrastructure as code with OpenTofu: plan review, change sets and drift detection
14. Variables, outputs and state management: input types, defaults, tfvars files, outputs and state basics
15. Writing and organising configurations: file layout, locals, naming and best practices for OpenTofu coding
16. Setting up your first OpenTofu project: directory structure, provider setup and backend choice
17. Creating infrastructure with OpenTofu, an example project: network, compute and security rules
18. Resource provisioning with OpenTofu modules: registry modules, module inputs and outputs
19. Managing state and dependencies: implicit references, depends_on, tofu state list and show
20. Working with variables and remote backends: S3, Azure Blob and GCS backends and TF_VAR_ variables
21. Workspaces, functions and data sources: tofu workspace, built-in functions and data blocks
22. Troubleshooting common errors in OpenTofu workflows: auth failures, cycles, stale locks and TF_LOG
23. Versioning, collaboration and security for production: version pinning, Git workflow and sensitive values
24. OpenTofu community and resources: documentation, Slack, GitHub RFCs, with Q&A and wrap-up

PRACTICE

# Hands-on labs

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

FOUNDATION

**Provision your first resource**

Install OpenTofu, write a configuration for a cloud storage bucket, then plan, apply, change and destroy it.

ESSENTIAL

**Build a modular network and compute stack**

Create a VPC, subnets and a VM using registry and local modules, store state in a remote backend with locking and expose outputs.

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 Opentofu levels, plus 20+ more courses and 50+ tools, at your own pace. | **INR 833/month** billed yearly at INR 9,996 |
| **Corporate (day-wise)** | 2 days 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 OPENTOFU 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/opentofu/


ENROL OR RESERVE A SEAT
**Opentofu Essential Training**

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**Next step after this level: Opentofu Intermediate Training** - Write reusable modules and providers, master state and backends, and deliver multi-environment infrastructure through CI/CD.