DevOpsSchool

Course curriculum · November 2026

LEVEL 02 OF 04 · ESSENTIAL

Chef Fundamental Essential Training

Develop your first complete cookbook with metadata, attributes, files, notifications and dependencies, linted with Cookstyle.

LIVE ONLINE **Max 8-10 hours**	CORPORATE (DAY-WISE) **2 days · Days 1-2**	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 · 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	20 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/chef/chef-fundamental-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 Chef Fundamental course path, you will be able to:

1

Master Chef fundamentals

Use Chef terminology, Ruby basics and core resources to describe server configuration as code.

2

Build and run cookbooks

Develop cookbooks with attributes, files, notifications and dependencies and converge them through Chef Infra Server.

3

Test and release safely

Validate cookbooks with ChefSpec, Test Kitchen and InSpec and release them with Policyfiles.

WHAT THE ESSENTIAL LEVEL ADDS

Writing cookbooks, attributes and notifications

Hands-on: Build a complete web server cookbook. Create a cookbook with attributes, an ERB-rendered config file, notifications that restart the service and a dependency on a community cookbook.

WHO SHOULD ATTEND

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

BEFORE YOU START

- The Foundation level, or equivalent hands-on experience.
- You can already: Learn Chef terminology and the Ruby you need, install the development tools and apply a first recipe with core resources.
- 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

Chef Fundamental Essential Training agenda

20 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: Chef terminology, Ruby basics and first recipe

Included from Foundation

1. DevOps concept and process: need for DevOps, culture and the DevOps toolchain
2. Configuration management: what it is and why you need a tool to automate IT configuration
3. What is Chef: Chef Infra, desired state and why Chef can be a good tool for your enterprise
4. Chef terminology: node, workstation, server, cookbook, recipe, resource, run-list and Ohai
5. Ruby fundamentals for Chef: strings, symbols, arrays, hashes, blocks and methods
6. Chef development tools: installing Chef Workstation with chef, knife, cookstyle and kitchen
7. Chef syntax and examples: resource blocks, actions, properties and guards
8. First recipe: writing a Chef recipe and applying it with chef-client in local mode
9. Core resources: package, service, file, directory, user and execute
10. Becoming a Chef programmer: reading the resource reference and Chef documentation

DAY 2 — Essential: Writing cookbooks, attributes and notifications

New at this level

11. Writing cookbooks: chef generate cookbook and developing your first cookbook
12. Using cookbooks: the default recipe and recipe inclusion with include_recipe
13. Cookbook metadata and documentation: metadata.rb fields, README and meta information
14. Chef attributes: attribute files, default and override precedence
15. File operations in a cookbook: cookbook_file, remote_file and file resources
16. Configuration files from ERB: rendering variables and helpers into config files
17. Notifications: notifies and subscribes, delayed versus immediate timing
18. Cookbook dependencies: depends in metadata.rb and dependency resolution
19. Chef Solo and local mode: single-node runs without a server
20. Linting: Cookstyle as the successor to the retired Foodcritic

PRACTICE

Hands-on labs

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

FOUNDATION

Apply a first Chef recipe

Install Chef Workstation, write a recipe using package, file and service resources and converge a lab VM in local mode.

ESSENTIAL

Build a complete web server cookbook

Create a cookbook with attributes, an ERB-rendered config file, notifications that restart the service and a dependency on a community cookbook.

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 Chef Fundamental 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 CHEF FUNDAMENTAL 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/chef/

ENROL OR RESERVE A SEAT
Chef Fundamental Essential Training

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Next step after this level: Chef Fundamental Intermediate Training - Set up Chef Infra Server, configure knife, bootstrap Linux and Windows nodes and manage them with roles, environments and data bags.