

# Chef Foundations - Official Chef Training

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| <b>Code:</b>   | CHEF-CON-MAN-BP             |
| <b>Length:</b> | 3 days                      |
| <b>URL:</b>    | <a href="#">View Online</a> |

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Get started with Chef by taking official Chef automation training. This two-day instructor-led course that covers all the basics. You'll learn what it means to turn infrastructure into code so that you can automate the configuration, deployment, and management of your servers. You'll also learn about Chef architecture and the set of tools included in the Chef Development Kit (ChefDK). Finally, we'll show you how to test your infrastructure code so that you can deploy with confidence. Each of the core units includes hands-on exercises that will give you confidence in your new skills. At the end of the course, you'll come away with a repo and the skills to start automating your own infrastructure.

- This course utilizes official courseware and lab environments directly from Chef.

## Skills Gained

- Use Chef Resources to define the state of your system
- Write and use Chef recipes and cookbooks
- Automate testing of cookbooks
- Manage multiple nodes with Chef Server
- Create Organizations
- Bootstrap nodes
- Assign Roles to nodes
- Deploy nodes to environments
- Enable Chef's search features with your automation
- Create acceptance and production environments

## Who Can Benefit

- IT Managers and Leaders
- Developers and Application Teams
- System Administrators
- IT Operations Staff
- Release Engineers
- Configuration Managers
- Anyone involved with IT infrastructure
- ScrumMasters
- Software Managers and Team Leads

# Course Details

## Course Outline

- Part 1: Using Chef resources – the building blocks
- Part 2 : Building Chef recipes and cookbooks
- Part 3: Introduction to testing cookbooks with Test Kitchen
- Part 4: Collecting details about the system via Ohai
- Part 5: Attributes – writing dynamic code
- Part 6: Managing data with templates
- Part 7: Advanced templating – passing in variables
- Part 8: Storing your code in a repo – an introduction to Git
- Part 9: Workstation setup
- Part 10: Centralizing management with Chef Server
- Part 11: Using Community Cookbooks
- Part 12: Automating chef-client runs
- Part 13: Managing a multi-node infrastructure
- Part 14: Simplification and scalability through Roles
- Part 15: Power automation – invoking Chef Search
- Part 16: Staging versus Production – Environments
- Part 17: Using Databags to create user accounts on servers

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