Chef Automate
Deliver application & infrastructure changes at the speed of business

Benefits

• Gain operational visibility and debug infrastructure problems.
• View and respond in real-time to fleet changes.
• Use historical data to improve DevOps practices or satisfy audit requirements.
• Extend compliance beyond individual machines to any environment.

Product overview

Chef Automate is an enterprise platform and analytics tool that allows development, operations and security engineers to collaborate with actionable insights for configuration and compliance and an auditable history of changes to environments.

Product features

Application Automation

• Revitalize legacy applications by repackaging them, applying continuous delivery practices, and deploying them to cloud native environments.
• Replace manual processes, runbooks, or brittle scripts with easy-to-understand automation code.

Security Automation

• Detect and correct security issues before they go into production to reduce risk, increase speed, and improve efficiency.
• Chef language is engineered on top of a full programming language, it is infinitely extensible to your environment, and the code you write can be tested for both correctness and quality before deployment.

Infrastructure Automation

• Automated configuration management enables consistent configurations at scale ensuring configuration policy is flexible, versionable, testable, and human readable.
• Couple the cloud’s on-demand infrastructure with last-mile configuration using Chef to ensure new systems are set up properly the first time, regardless of whether they number in the dozens or thousands.
How it works

Chef operates in a client-server architecture. An agent, the Chef Client, runs on each managed node, periodically connecting to a Chef Server to download and evaluate configuration code, known as recipes. If no changes are necessary, Chef does not modify the system.

Systems administrators or developers write recipe code on their workstations and submit it through a continuous integration/continuous delivery (CI/CD) pipeline, just like application software, to ensure that only high-quality code makes it to the Chef Server. InSpec controls can be used as part of the process to evaluate environments for correctness and compliance.

Differentiators

Chef Automate creates real-time operational dashboards providing insight into the events generated by each Chef Client run. With Chef Automate’s dashboards, you can:

- Visualize and monitor fleet-wide health across hundreds, thousands, or even tens of thousands of nodes, and filter results by physical or logical environment.
- See the successes and failures of your Chef Client runs, drill into their results in aggregate or individually, and diagnose problems quickly.
- Get alerted to errors immediately using Chef Automate’s chat and webhook notifications system.

Solution available in AWS Marketplace