Secure and Scale Infrastructure Delivery Anywhere with Chef
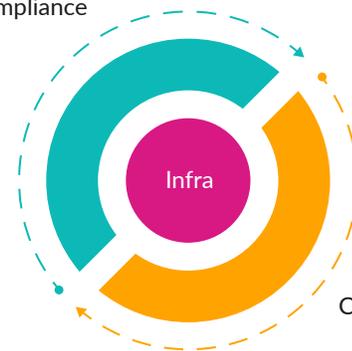
CHEF®

Progress®

Chef is the DevSecOps infrastructure automation engine for agile digital organizations with a wide range of cloud and on-premises infrastructure.

Competing in the digital age demands velocity, and no organization can move fast when burdened by infrastructure that's difficult to change and secure. By taking a policy-based approach to configuration automation compliance is no longer an after-thought but included as part of the configuration. Delivery teams are then assured that infrastructure remains consistent, compliant, and secure over its lifetime in even the most complex, heterogenous, and large scale environments.

Chef automation enables organizations to transform infrastructure configuration and security policies into code, making systems testable, portable and auditable. Whether you're operating in the cloud, on-premises, or in a hybrid environment, Chef automates how infrastructure is configured, deployed, secured, audited and managed across your estate, no matter its size.

**Security Needs Have Shifted Infra Needs**

Compliance

Infra

Configuration

USING CHEF POLICY-BASED AUTOMATION SOLUTIONS, YOU CAN:

- **Replace manual processes, runbooks, or brittle scripts with easy-to-understand automation code.** The Chef language is designed to be easy to read and write, and helps you declare and enforce a system's intended state, instead of having to memorize arcane commands and options. The same language is used across Windows, Linux, Mac and ARM, making it easy to understand how to perform similar actions across vastly different operating systems.

- **Reduce risk by validating infrastructure changes before pushing them to production.** Chef Workstation includes features such as development tools for testing, dependency resolution, and cookbook generation. With Chef you can be ensured that whether you're consuming existing chef policies, or creating your own, you have everything you need to get up and running quickly.

- **Adopt the cloud quickly by accelerating the setup and maintenance of ephemeral servers.** Chef enables DevSecOps teams to consistently deliver and deploy across on-premises and multi-cloud environments. 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.

CHEF POLICY-BASED INFRASTRUCTURE AUTOMATION ARCHITECTURE

Using Chef to automate configuration management allows DevOps teams to define policies that are repeatable, consistent and reusable. The result is increased business agility and security because all systems and resources are continuously and automatically evaluated, corrected, and modified.

Create and Test Policies
System State Enforcement
Data Aggregation and Validation
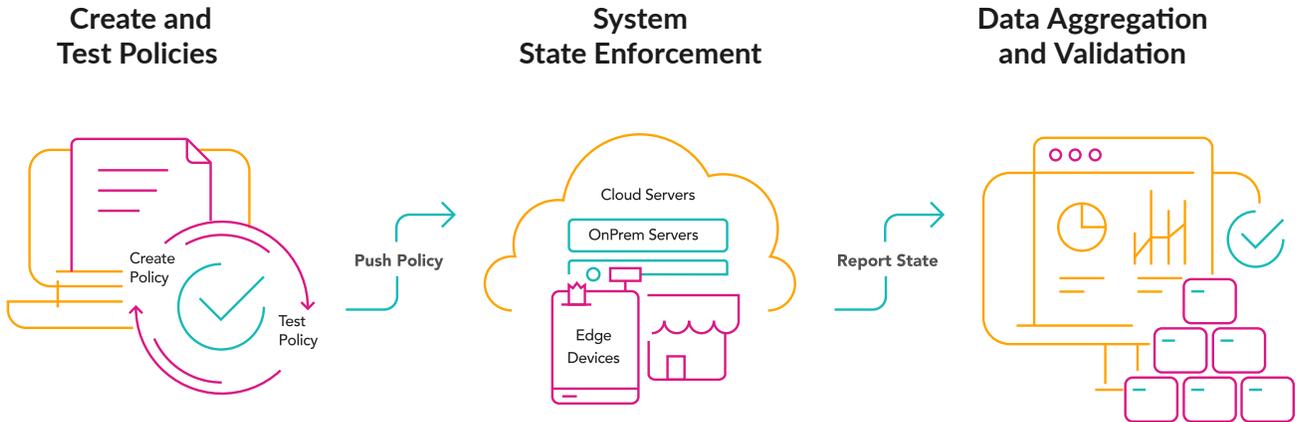
Chef Workstation	Chef Infra Client	Chef Automate
Reduce risks by iterating on policy changes before pushing them to production.	Enforce policy by converging the system to the state declared by the various resources.	View and validate intended and actual state across all systems.

Chef Workstation gives users all the tools they need to get started with Chef in one easy-to-install package. Users can execute ad-hoc remote configuration tasks, perform remote scanning, create cookbooks, test software and dependencies and much more.

The Chef Infra Client is a powerful agent that applies your configurations on remote Linux, macOS, Windows and cloud-based systems. It ensures each system's current state matches the desired system state you declare by tracking and remediating the differences.

Chef InSpec provides an additional level of system state enforcement. It provides a language that describes system state expectations in a way that can be directly mapped to policies defined for Chef Infra, providing insight into how to remediate any misconfigurations uncovered in audits within the same toolkit.

Chef Automate provides enterprise management and observability capabilities, and it's included with every Chef Subscription. Automate offers visual UIs, real-time interactive dashboards, role-based access controls, third-party integrations, data APIs, and much more.

GET STARTED WITH CHEF TODAY

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