Progress® Chef®

Accelerate your Federal DevSecOps Journey with Chef Technology & TapHere Best Practices

CASE STUDY

TapHere! TECHNOLOGY

INDUSTRY
Public Sector

PRODUCT
Progress Chef

SUMMARY
TapHere Technology and Chef share a history of helping Federal IT teams accelerate their DevSecOps journey. Through a proven blend of established best practices leveraging Chef products, TapHere enables organizations to benefit from automation software and services that result in the continuous delivery of secure applications and infrastructure.

Challenge

Technology (TapHere) is a longtime partner of Progress Chef and has a history of helping Federal IT teams accelerate their DevSecOps journey. Through a proven blend of established best practices leveraging Chef products, TapHere enables organizations to benefit from automation software and services that result in the continuous delivery of secure applications and infrastructure.

TapHere primarily leverages the Chef Enterprise Automation Stack™, which includes a full suite of enterprise infrastructure, application and DevSecOps automation technologies that enable organizations to deliver change quickly, repeatedly and securely. TapHere's clients can focus on strategic initiatives. At the same time, their DevSecOps teams are equipped with a stronger tech stack to help them address infrastructure and mission-critical application challenges with security and other federal requirements in mind.

Solution

TapHere! Technology (TapHere), the Chef 2021 Public Sector Partner of the Year, is a premier partner of Progress Chef and has a history of full suite of enterprise infrastructure, application and DevSecOps automation technologies that help organizations deliver change quickly, repeatedly and securely. TapHere's clients are able to focus on strategic initiatives, while their DevSecOps teams are equipped with a stronger tech stack to help them address infrastructure and mission-critical application challenges with security and other federal requirements in mind.

By leveraging TapHere and Chef, federal organizations are able to:

- Create stable IT infrastructure environments to deploy and automate mission-critical applications, securely.
- Ensure automated application delivery and continuous compliance across any IT platform with Chef Habitat.
- Enable cross-team collaboration through actionable and auditable insights into configuration changes and compliance implications with Chef Automate.
- Define and continuously enforce security and compliance standards on-prem and in the cloud with Chef InSpec.
- Easily configure and remediate any number of systems across desktop, cloud, and data center environments through Chef Infra.

	Infrastructure	Compliance	App Delivery	Desktop
DoD Command 1	🚀	🚀	🚀	🚀
Intel community		🚀	🚀	
Large Federal System Integrator	🚀	🚀	🚀	🚀
Large Federal Consulting Firm		🚀	🚀	🚀
DoD Command 2	🚀	🚀	🚀	🚀
DoD Command 3		🚀		
DoD Command 4	🚀	🚀	🚀	🚀
DoD Command 5	🚀	🚀	🚀	🚀
Big 4 DHS Agency		🚀	🚀	
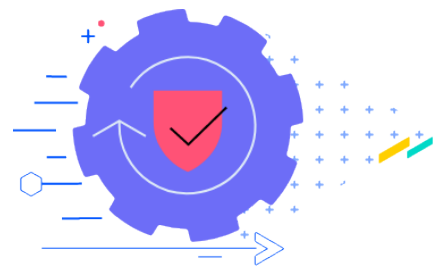
For example, one client (TSA) needed to create a reliable, consistent environment for DHS mission applications in an air-gapped and on-prem environment. Through the deployment of Chef Infra, Chef InSpec and Automate, the organization was able to automate the installation of its mission-critical technology stack, while expanding automation for high availability within its datacenters and across facilities. Building in cookbook training, development, workflows and automated testing, the TSA was also able to harden its operating systems to meet Security modified DISA STIG requirements.

Additional TapHere and Chef Client Success Snapshots include:

DoD Command 1

- **Challenge**: Wanted to transition to a policy-as-code model, while delivering continuous automation of cookbooks, InSpec profiles and best practices.
- **Result:** Automated deployment and configuration of applications with Chef Habitat. Delivery of consistent coding practices for cookbooks, upgrades to client versions and Azure pipelines for multi-environment deployment, supporting self-sufficiency and ongoing compliance.

Intel community

- **Challenge:** Needed to automate security configuration and testing, while establishing on-demand service configuration and deployment of mission-critical intelligence collection and dissemination pipelines.

- **Results:** Configured over 1,500 instances, scaled on-demand in AWS and on-prem environments.

Large Federal System Integrator

- **Challenge:** Required automated delivery of infrastructure and mission-critical applications, while normalizing deployment across disparate service models and supporting knowledge transfer

- **Results:** Automation of COTS installations with continuous compliance enabled by InSpec profiles; created a Cookbook development workflow, while saving time and reducing human error through automation.
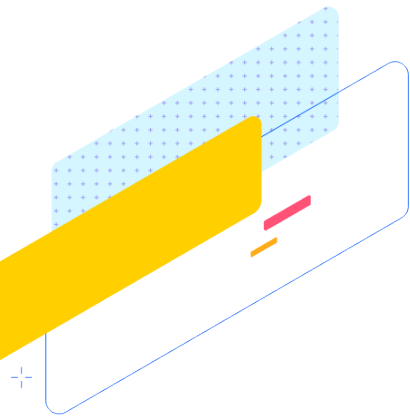
Large Federal Consulting Firm

- **Challenge:** Needed to Modernize its CI/CD pipeline and Chef client for more than 100 nodes, while converting to Policy-as-Code approach.

- **Results:** Automated application release and compliance policies; instituted a dependency chain of upstream builds based on successful downstream builds, while implemented Cookbook best practices.

DoD Command 2

- **Challenge:** Wanted to automate its Chef client installation and establish best practices for its cookbook development and automation

- **Results:** Dual Chef Automate and Infra install completed with 20 nodes provisioned; baseline cookbook created with InSpec tests running on schedule; NIWC is also benefiting from STIG remediation content supplied by Chef.

DoD Command 3

- **Challenge:** Required automation of security compliance and testing of its RHEL operating system.

- **Result:** Tested and validated hundreds of incremental Infrastructure as Code (IaC), while automating build stack releases to over 20 mission partners.

DoD Command 4

- **Challenge:** Develop a Win10 development baseline for its Citrix instance in the cloud and standardize its Cookbooks, while improving performance and stability.

- **Results:** Built and refactored over 30 cookbooks for management of Win10 nodes; automated testing via InSpec and Test Kitchen, while implementing best practices.

Big 4 DHS Agency

- **Challenge:** Validate tool selections and recommendations for automated software builds; establish workflow for development teams; evaluate infrastructure against app requirement and compliance profiles.

- **Results:** Implemented consistent coding practices for Habitat and InSpec profiles; developed InSpec profiles and STIG updates; built Azure pipelines for multi-environment deployment; workshops conducted to support staff self-sufficiency.

About TapHere

TapHere! Technology (TapHere) provides systems and software engineering services plus mission support for Federal Government customers.

The firm's areas of expertise include DevSecOps, software integration & deployment, software defined radio (SDR), Intelligence, Surveillance, and Reconnaissance (ISR), and intelligence operations.

TapHere has operating locations in Virginia, Florida, Colorado, and OCONUS. To learn more about us, go to http://taphere.com/

→ **Provide your DevSecOps teams with a consolidated automation framework, and more, with the Progress® Chef® Enterprise Automation Stack™**

Worldwide Headquarters

Progress, 14 Oak Park,
Bedford, MA 01730 USA
Tel: +1-800-477-6473

f   facebook.com/getchefdotcom
🐦   twitter.com/chef
▶   youtube.com/getchef
in   linkedin.com/company/chef-software
🔊   learn.chef.io
○   github.com/chef
📺   twitch.tv/chefsoftware

Progress®