

>CASE STUDY_

Enhancing Cloud Visibility and Control with Accenture Federal Services at a Large Civilian Agency

HIGHLIGHTS

- Simplified data processing across multiple cloud workloads, ensuring seamless integration.
- Enhanced workflows, reducing delays and enabling quicker task prioritization.
- Boosted data protection and compliance through encryption and threat intelligence integration.

A Large Cloud Migration

A U.S. Government Civilian Agency, with applications and services that need to be readily available to over 150 million Americans, was moving its operations to Amazon Web Services-based (AWS) cloud services in a push to modernize its infrastructure. This was no small feat – the migration covered everything from front-end web services to back-end data services, marking a significant shift to modernize the agency's IT management. Accenture Federal Services was assisting the agency with this project, and needed a tool to streamline data pipeline management, so they turned to Cribl.

"We had looked at Cribl as a product for a long time. What brought Cribl into the environment was the need to unify data. Cribl's UI, live preview capabilities, and workflows made it easy to configure and manage data pipelines effectively."

—Cesar Deleon, Senior Security Consulting Manager for Accenture Federal Services

In addition to building services in the cloud to enhance visibility and control, the agency introduced containerized systems and cloud-native log and data sources like AWS CloudTrail to enhance operational capabilities. Accenture Federal Services' team embarked on a cloud sprint in partnership with the agency—spanning planning, architecture, procurement, and rollout—all within a few months. They also deployed scalable cloud solutions to support the expanded scope of the agency's services.

Managing and Routing Data Across Multiple Cloud Workloads

Building services in the cloud was complex, involving data across multiple cloud workloads. Accenture Federal Services used specialized teams for each part of the migration, collecting data from container logs via OpenTelemetry (OTel), AWS CloudTrail logs, HTTP events, encrypted syslog data over TCP, and API calls to cloud-hosted third-party systems via scripted inputs.

By using Cribl and its flexible architecture, the agency was able to unlock data silos, allowing data to be routed to core security audit systems and other operational systems, meeting [security and compliance](#) needs. Cribl Stream's flexible tagging and metadata management helped with organizing and managing data across different environments and departments.

“The cloud sprint happened quickly. We moved from planning, architecture, procurement, to quickly rolling out Cribl instances and piping all the data in a matter of three to four months.”

—Cesar Deleon, Senior Security Consulting Manager for Accenture Federal Services

Robust Security and Threat Intelligence

Data protection and ensuring the security of citizen information is a priority for the agency. Cribl's strong encryption transformation functions allowed sensitive data to be encrypted in the delivery pipeline before being written to disk, making it easy to meet compliance mandates while reducing risk.

As the project evolved, Cribl integrated threat intelligence data into the logs, further strengthening the agency's security as it expanded into the cloud. This enrichment feature is still a work in progress, with more integrations planned.

“With the use of Cribl, we can encrypt data before it even touches the disk, send a duplicate copy of the data to our customer, unencrypt it, and they can perform their deep security analysis.”

—Cesar Deleon, Senior Security Consulting Manager for Accenture Federal Services

Simplifying Processes and Boosting Efficiency

By implementing Cribl, Accenture Federal Services made significant strides in simplifying its migration process and improving efficiency, enabling the agency to modernize its systems faster. Cribl allowed the team to preview and test live data quickly without needing lengthy change management processes. This streamlined troubleshooting and verification, keeping things moving smoothly and minimizing delays.

The tool's user-friendly interface made it easy to onboard new data sources, preventing disruptions to the project timeline. This helped the team focus on more critical tasks, boosting overall productivity.

Cribl also simplified token and key management across environments, removing the complexity of manually handling security credentials. This cut down on overhead and allowed the team to maintain secure operations for the agency with ease.

Value for the Civilian Agency

The agility, security, and non-intrusive nature of Cribl's functionality increased operational efficiency for the agency, making it easier and faster to support the migration:

- Reduced data pipeline downtime to implement changes, which increased data availability.
- Reduced testing time of data engineering changes.
- Reduced token management for data inputs, using logical functions for separation and mappings.
- Accelerated onboarding of new data sources, with the user-friendly interface reducing delays and allowing the team to focus on other critical tasks.
- Accelerated troubleshooting and verification with live data preview and testing.

“Cribl has been a huge benefit for us. It simplifies token and key management, allows for rapid data source onboarding, and empowers new team members to take ownership thanks to its unified interface. It’s a game-changer in reducing complexity.”

—Cesar Deleon, Senior Security Consulting Manager for Accenture Federal Services

Discover how Cribl empowers teams to simplify data workflows, enhance collaboration, and achieve real-time insights. [Book a Demo today.](#)

Learn more about Accenture Federal Services and their [cloud and engineering services](#) for federal agencies.

TL;DR

- Cribl streamlined data processing during a U.S. Government Civilian Agency's migration to AWS with Accenture Federal Services, enabling dynamic routing and management across diverse cloud workloads.
- With Cribl's intuitive interface and live data preview, Accenture Federal Services reduced delays and simplified troubleshooting, leading to faster onboarding and collaboration.
- Cribl's encryption and threat intelligence integration ensured compliance and data protection, with flexible tagging and metadata management for seamless operations.
- Accenture Federal Services plans to expand Cribl's integration with tools like DataDog, enhance S3 data search, and explore new use cases to continue modernizing its data operations.

ABOUT CRIBL

Cribl makes open observability a reality for today's tech professionals. The Cribl product suite defies data gravity with radical levels of choice and control. Wherever the data comes from, wherever it needs to go, Cribl delivers the freedom and flexibility to make choices, not compromises. It's enterprise software that doesn't suck, enables tech professionals to do what they need to do, and gives them the ability to say "Yes." With Cribl, companies can control their data, get more out of existing investments, and shape the observability of the future. Founded in 2017, Cribl is a remote-first company with an office in San Francisco, CA.

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