

CASE STUDY

Defense Contractor Employs Motion Consulting Group to Push Forward Software Factory with DevSecOps



The Challenge

Every organization that wants to be competitive in the digital era is taking a hard look at their software practices to move faster with greater efficiency, scalability, reliability, and security.

For a Fortune 100 aerospace & defense contractor, their hard look was a first step to development of a software factory for the entire organization using DevSecOps to enable its engineers to leverage end-to-end automation to simplify deployment of apps and infrastructure across all stages; to plan, build, test, release, operate and manage the software delivered to customers, effectively, securely, and at scale.

The Solution

Realizing they had a skills shortage around critical areas in AWS, Kubernetes, DevSecOps, the client turned to Motion Consulting Group to begin this complex engagement which also covers activities around Cloud and Cyber as well as DevSecOps.

A Motion Consulting Group AWS DevSecOps team was assembled and immediately set to work. The sponsor team they are integrating into is the DevSecOps Platform Team, but they are working collaboratively with various Leadership, Cyber, Cloud, Infrastructure and Development stakeholders.

What appealed to them was Motion Consulting Group's ability to coach team members and bring them up to speed, as well as their ability to integrate with the team in their architecture and engineering efforts.

The goal is to finish a first iteration software factory that is a minimal viable product.



Accomplishments to Date

Groundwork

- Established software factory flow from front end out to the environments
- Laid the groundwork for a DevSecOps framework

Collaboration

- Collaborated and built on the architectures already in place, bringing them to documented first draft completion
- Engineering and collaborating on terraform modules, compliance as code, artifacts, vaults, container and orchestration security, workflow integration
- Working with other teams on firewall and higher-level Cloud infrastructure required
- Working with Cyber and DevSecOps team to help with Prisma Cloud
- Working with team breaking out architecture into epics and sprints to be able to quickly iterate and track progress

Coaching

- Coached team on Agile Threat Modeling and made it scalable for the whole org

Engineering/Build-Out

- Building out Gitlab pipelines and infrastructure with team
- Engineering initial EKS stack with team
- Building out a minimal Proof of Concept for unified observability
- Building out container and orchestration security practice with team

Documentation

- Documenting and testing tool selection and collaborating with team on choices for the whole chain
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- Collaborating with consumer development teams that will be using this software factory to test out the process and document any inefficiencies or issues to build a backlog