



Software Factory Series

Secure Solutions Delivered at the Speed of Mission

Software Factory

Located within the Deloitte GPS Cloud Native Market Offering, **Software Factory (SWF)** is an accelerator that offers an integrated production grade technology stack for teams to create, deliver, and run secure cloud native solutions at the speed of mission. SWF was born out of Deloitte's investments and innovations with Cloud Native technologies and practices. Our SWF capabilities are continuously enhanced with experiences obtained from Platform One, other government-run software factories, and Deloitte's extensive experience developing and delivering cloud native solutions for the DoD, Intelligence Community, and Fortune 500 companies.

SWF manages and maintains a library of reusable software artifacts built with an open architecture to enable adaptability and extensibility of the SWF platform. Our goal is to extract out common items and complexities and as a result provide an ecosystem for teams to grow and build modern solutions. Though our products are designed to work as integrated solution, each can be individually incorporated into existing environments and factories. We provide Infrastructure as Code and Configuration as Code to enable development teams to deliver secure solutions at the speed of mission.

SWF is a diverse team of dedicated individuals currently organized into three core teams developing eight products (assets).

Software Factory Teams

K8sUP (Platform) – This team is currently developing the Singularity and Continuum products.

- Singularity is an automated, single AWS account cloud landing zone that builds a Kubernetes foundation for integrated Cloud Native CI/CD pipelines. These pipelines have standard software delivery practices built in for software quality, access/identify/secrets management, code and container repositories, security (to include VPN and MFA access), and operational monitoring.
- Continuum is a development effort to move to automated deployment of GitOps and modular automation. Continuum is intended for greenfield/brownfield government cloud environments across single and multi-account AWS landing zones for FISMA High, and DoD Secure Cloud Computing Architecture at IL4.

Security & Portal – This team is currently developing the Digital Armory, DevEx and Coruscant products.

- Digital Armory has Continuous Integration jobs that run stand alone or part of a DevSecOps Pipeline to automate container and application hardening. It has Central store of the generated security metadata, issues tracking and resolution for continuous audit and tracking.
- DevEx is a portal for Software Delivery teams that standardizes software delivery using a template-driven approach to accelerate starting software projects, execute the DevSecOps lifecycle, and access collaborative services in your organization.
- Coruscant is a dashboarding and data platform for collecting DevSecOps telemetry and compiling data into actionable metrics and insights for software delivery teams.

MicroSpeed – This team is currently developing Microseeds, DataFury, and Titan CI/CD products

- Microseeds is a microservices Jumpstart asset responsible for providing pre-built microservices. These microservices are harvested after production authorization and refactored with additional documentation and various non-functional capabilities. Microseeds uses automation for faster authorization without trading quality or security.
- DataFury is an Oracle to Cloud database migration accelerator that works to automate migration of on-premise Oracle Databases to AWS PostgreSQL Databases, reducing long-term license costs.
- Titan is an Integrated Cloud Native, Multi-cloud CI/CD Pipeline with software quality, chatOps and standard software delivery practices built in.



For more information, please reach out to us at ussoftwarefactory@deloitte.com

Stay Tuned as we dive deeper into the capabilities of SWF!



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