Peraton

TRANSFORMATION FACTORY

Enable Rapid Deployment and Accreditation of an Enterprise Scale DevSecOps Environment

Organizations are charged with modernizing infrastructure, migrating to cloud, and developing and implementing software and solutions quickly, efficiently, and securely. These organizations understand the benefits of a DevSecOps approach, but they may not know how to get started.

Peraton's Transformation Factory enables fast deployment of a fully operational, enterprise scale DevSecOps environment— giving organizations the ability to confidently deploy an entire computing environment that includes their choice of tools and best practice workflows.

JUMPSTART YOUR DIGITAL TRANSFORMATION

Transformation Factory is a key enabler of digital transformation. Our mature, proven, and robust pre-integrated solution can jumpstart transformation projects with industry best practices built in.

Customizable

The customizable DevSecOps reference implementation brings the industry's leading technologies into an accessible and centralized digital space, while ensuring relevance and interoperability.

The factory can be tailored to your preferred tools and can also be deployed into customer environments as required. It includes the most common components for model-based digital engineering, requirements management, Agile process execution, software development, testing, operations, monitoring, and maintenance.

Fast Deployment

Transformation Factory is a pre-integrated environment supporting digital transformation and application development, infrastructure, and security innovations. Our solution uses infrastructure as code (IaC) as well as platform as code (PaC) to enable fast deployment, accreditation, and execution of continuous integration/continuous delivery (CI/CD) capabilities.

The Transformation Factory accelerates program delivery by providing a rapidly deployed software factory environment in Amazon Web Services (AWS), Microsoft Azure, on-premises, or hybrid environments. By providing a supported, multi-tenant development environment that uses cyber-hardened components, we allow programs to begin development on day one.

Peraton partners with you in your DevSecOps journey to drive faster time to value and relevance of digital solutions. We provide a total solution that combines a full suite of services, process, and technologies that make your digital transformation a success in a very short time

Reduction in Delivery Cost

Peraton's experience using proven methods and technology in an enterprise scale environment shows a reduction in IT delivery cost by as much as 50%–75%.

Proven Experience

Peraton has more than 45 years of government industry experience supporting applications development for citizen services, intelligence, and defense across several federal and state government agencies.
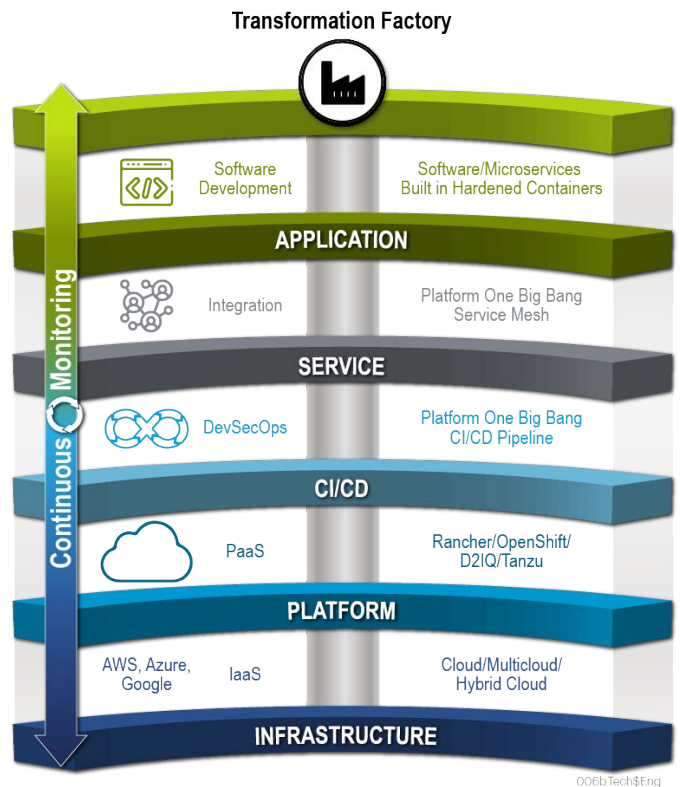

Figure 1. Transformation Factory enables fast deployment of a fully operational, enterprise scale DevSecOps environment.

FUNCTIONALITY OVERVIEW

Complete DevSecOps toolchains:

- Pre-built using containers and serverless services
- Based on Platform One's DoD accredited Big Bang platform

Enterprise scale environment for planning, development, and delivery of solutions:

- Common tooling across the enterprise
- Fully implemented, end-to-end DevSecOps environment allows for accelerated development, testing, integration, and deployment
- Security scans run in the CI/CD pipelines for early identification of security deficiencies
- Automated testing ensures application and security updates do not impact functionality
- Automated quality gates ensure only the code that passes security and functionality requirements are released to production
- Automated deployments to production allow for continuous updates of software without inconvenience to the end user

Authorization to operate (ATO) and shift left security:

- Hardened Iron Bank container images
- Prepackaged security documentation templates for site security officers

Fast, repeatable deployment:

- Enabled by Peraton's IaC and PaC blueprints in AWS and Azure Government cloud environments

Modular open systems architecture:

- Allowing integration of leading technologies and supporting best practices

As a service delivery model:

- Availability of as a service offerings

BENEFITS

- Accelerate software development and delivery with a secure DevSecOps environment including CI/CD pipeline
- Enable the rapid prototyping of new ideas
- Achieve efficiencies and reduce errors due to automated deployment via IaC and PaC blueprints
- Support rapid ATO through built-in and thoroughly documented security controls for easy compliance with NIST 800-171
- Incorporate preferred tools and technologies using our customizable architecture with plug and play options