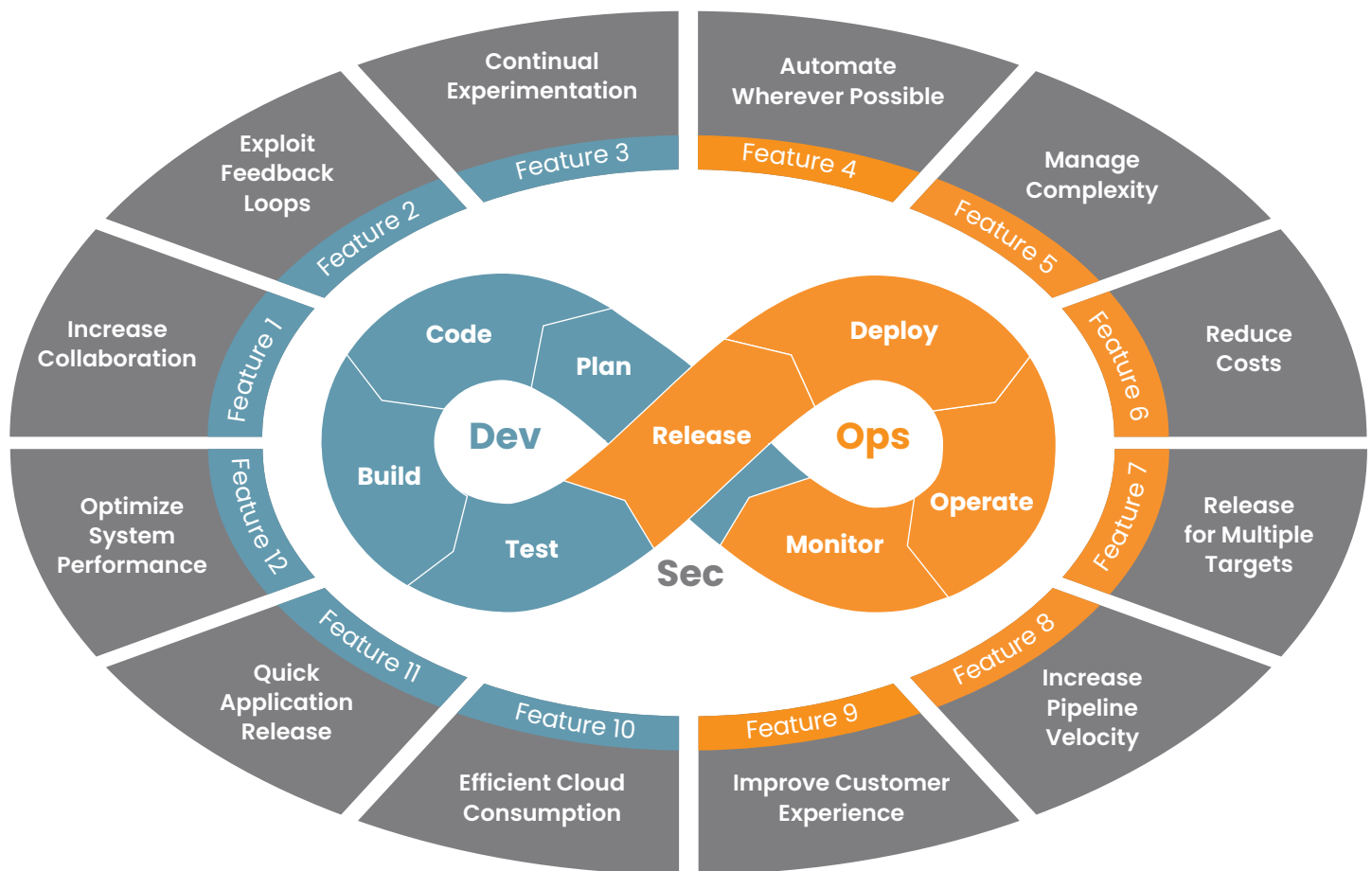


# DevSecOps Solutions

DevSecOps powered by automation and cloud-based technology means scalable, cost-effective solutions that achieve the mission. We help customers grow by leveraging optimized open-source tools modeled after the most mature commercial and Federal government platforms, such as the Air Force's Platform One. Our solution meets the most stringent Department of Defense (DoD) and Department of Homeland Security's (DHS) criteria for a cloud-native DevSecOps platform that serves expanding modernization needs across programs.



## Our DevSecOps Continuous Process

Cognosante's DevSecOps solutions facilitate adoption and acceleration of best practices to maximize performance and improve ROI.

**Increase Collaboration.** We emphasize stakeholder engagement early on and include product owners to maintain the voice of the customer throughout the design and development process including story development and backlog grooming.

**Exploit Feedback Loops.** To enable informed decision-making, we assess baseline functionality and perform value stream mapping to validate customer requirements and solutions. We maximize DevSecOps techniques for increased agility to increase effectiveness (i.e. avoid snowball effects).

**Continual Experimentation.** We foster a culture of investigation and encourage frequent alternative analysis. We support risk-taking and learning from failure by selecting small but important requirements for proofs-of-concept and pilot projects.

**Automate Wherever Possible.** We automate repeatable tasks (i.e. runbook automation), including provisioning, software builds, testing, monitoring, and deployments.

**Manage Complexity.** We architect for separation of concerns through layering and microservices, make dependencies explicit so that impacts can be discerned, and exploit infrastructure as code.

**Reduce Costs.** We achieve resource efficiencies through automation and tight feedback loops, and facilitate frequent test and build activities to catch requirement, design, implementation, and deployment errors earlier in the SDLC.

**Release for Multiple Targets.** Automation allows us to build simultaneously for multiple targets, such as disparate platforms, infrastructure, or mobility (i.e. responsive design).

**Increase Pipeline Velocity.** We use DevSecOps processes and tools to increase the velocity of product and service delivery through continuous integration, testing, deployment, monitoring, and security.

**Improve Customer Experience.** We ensure useful solutions through early validation of user stories and testing of customer experiences.

**Efficient Cloud Consumption.** We help evaluate data center modernization options, support evolution to cloud service usage, and exploit modernization with cloud-native capabilities.

**Quick Application Release.** We help increase your ability to respond to customer demands for new or changed requirements, and to meet capability needs much sooner than possible with traditional SDLC approaches.

**Optimize System Performance.** Our use of increased monitoring and automation fosters transparency. Customers can see end-to-end system views, remove silos, and emphasize overall optimization rather than local.

## Contact Us to Learn More About How...

- Helped a Federal Government customer identify true business problems and opportunities using reframing, personas and journey-mapping.
- Automated case management for a Federal Government customer using machine learning and artificial intelligence.
- Exploited continuous integration/continuous delivery in support of a health exchange project.
- Performed analyses of alternatives (AoAs) to compare relevant cloud-based services to identify and achieve savings for a Federal Government customer.
- Developed a Design Thinking (DT) Practice and Lab to develop a deeper understanding of our customers' business needs from the user perspective, gain buy-in, and tear apart solution-space assumptions from problem-space issues.