







DevOps Solutions for Federal Government

A cultural shift is occurring in government IT service delivery. Expectations for digital services require rapid delivery of capabilities, frequent updates, scalability and greater security. A commensurate shift to increase collaboration and automation is required to meet these expectations while still adhering to existing requirements.

A number of agencies are adopting a DevOps engineering culture to improve agility in releasing custom software, enable continuous delivery and increase automation to reduce operational expenses. The combination of software development and data center operations into an integrated DevOps team emphasizes collaboration among developers and other IT professionals while automating delivery and infrastructure changes. DevOps prioritizes deployment of high-quality software to production as the goal for integrated teams and improves alignment to mission objectives.

| | No DevOps | DevOps |
|--------------------------|---|--|
| Time to Market |  Long disjointed timelines that delay production |  Instantaneous and continuous deployments |
| Deployment Volume |  Limited deployments in given timeline |  100's of deployments in very quick timeline |
| Service Delivery |  Breakdown of team leading to technical problems |  Automation to provide a stable and collaborative environment |

Transitioning to DevOps transforms siloed teams into an integrated team that works towards a single goal of releasing high-quality software to production, on a frequent basis, aligned to business objectives.

TOOLS BUILT FOR GOVERNMENT

CGI provides comprehensive products and services that maximize DevOps efficiencies, including:

- CGI AgileIQ Suite™ – an integrated set of tools for agile project management, higher collaboration among teams, software version control, source code review, continuous integration, automated software quality checks and artifact repositories for automation of deployment.
- CGI Unify360™ – a comprehensive hybrid IT management offering to improve IT infrastructure delivery. It provides a portfolio of enablement consulting, managed services and infrastructure options, as well as a single

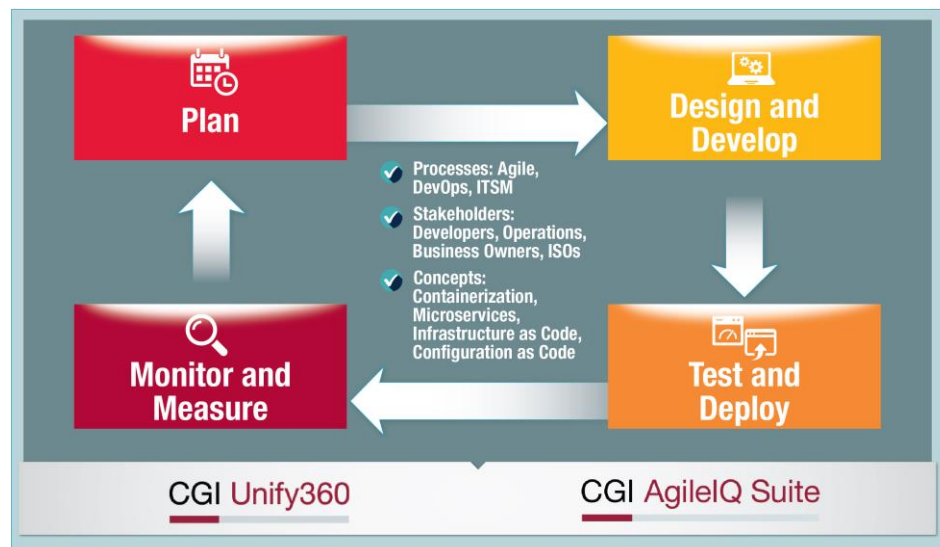


VALUE OF DEVOPS PRACTICES

- Teams utilize toolkits to increase project collaboration, communication and transparency
- Agile project management bootstraps product orientation and cultural change
- Teams visualize status, progress and align to meet goals
- Increased adherence to industry standard quality and maturity processes (CMMI, ITIL) assures product quality
- Development support tools, like software quality and security scanners, help improve to software quality
- Automated build and deploy pipelines spearhead adoption of DevOps practices, such as continuous integration, testing and deployment

management platform for operations, brokerage, governance and security across public/private cloud and on-premises enterprise infrastructure.

- Assessment of existing government application release practices and tools to develop roadmaps to improve automation and enable continuous integration and continuous deployment (CI/CD), automated testing and increased cyber security posture



CGI AgileIQ Suite and CGI Unify360 propel DevOps teams towards high collaboration, integration and significantly increase productivity via automation and optimization.

BENEFITS OF CGI'S DEVOPS APPROACH

- Complete project insight through a “single pane of glass” view of project progress that enables development and maintenance tasks to be managed concurrently
- Team and stakeholder engagement at every point in the software development and production lifecycle
- Automated build processes to compile, test and package releases on code commit
- Optimized IT resources to reduce risk and speed deployments

ABOUT CGI

Founded in 1976, CGI is one of the largest IT and business process services providers in the world, delivering high-quality business consulting, systems integration and managed services. With a deep commitment to providing innovative services and solutions, CGI has an industry-leading track record of delivering 95% of projects on time and within budget, aligning our teams with clients' business strategies to achieve top-to-bottom line results.

Learn more about CGI's DevOps solutions at

www.cgi.com/en/us-federal/devops