



DevOps and Agile Transformation and Optimization

We help develop custom applications using Agile methodology and DevOps model for iterative design and implementation to enable elements of the delivery ecosystem with planned, systematic and continuous improvement.

We work with our clients to evaluate their tools, methods, and infrastructure, while understanding the people side of their organization. This ensures enablement and adoption as we focus on implementing the new capabilities incrementally. Integral has taken clients accustomed to a waterfall approach and implemented a continuous integration, continuous delivery, and continuous deployment process adhering to an Agile methodology. We have provided analysis of existing Agile and DevOps models to identify appropriate technologies, processes, and tools to optimize the delivery of new capabilities.

The results of Agile and DevOps transformation have included:

- ❖ Increased Productivity and Efficiency
- ❖ Accelerated Time to Market
- ❖ Ability to Build the Right Product
- ❖ Improved Quality through Frequent User / Acceptance Testing
- ❖ Defect Reduction / Reliable Releases
- ❖ Deployment Time Reduction
- ❖ Increased Flexibility
- ❖ Decreased Risk

About Us

Integral Consulting Services, Inc. (Integral) develops multimodal biometrics solutions, performs all source intelligence analysis, implements IT Service Management (ITSM) solutions, provides IT helpdesk support, develops custom applications, and assists in cybersecurity protection to federal civilian and defense agencies and Intelligence Community. We are committed to helping our clients achieve their mission objectives by providing the highest-quality solution, backed by our CMMI-DEV/3, CMMI-SVC/3, ISO 9001, ISO 20000 and ISO 27001 certifications.

Agile Methodology

- ❖ We help determine which methodology is right for you: Scrum, Kanban, Lean, Extreme Programming, SAFe, Feature Driven Development, Crystal, and more.
- ❖ We build a roadmap with a defined end state including structure, governance, metrics, capabilities, and outcomes

DevOps Model

- ❖ Continuous and iterative delivery process, automation with tools and scripts, iterative testing, with continuous integration
- ❖ Robust source control processes and governance as a focus
- ❖ Implementation, configuration, and administration of automated deployment tools
- ❖ Automated feedback with alerts, auditing, test results, build results, and deployment status
- ❖ Priority is minimal disruption and maximum reliability

Transformation

- ❖ We assess with a review of processes, gap and pain point analysis, and identify Agile/DevOps improvement opportunities
- ❖ Focus on automation opportunities (including tools and scripts) in addition to process improvement opportunities.
- ❖ We define metrics, processes, goals, and SLAs
- ❖ We standardize best practices including the automation of the build, release, and deployment set up, metrics with reporting for code and build quality and for release and deployment

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