MODERN SOFTWARE DELIVERY FRAMEWORK

COMPREHENSIVE, INTEGRATED, AND ITERATIVE

AGILE SOFTWARE DEVELOPMENT

SPA applies Agile methodologies to deliver the most valuable capabilities securely and efficiently.

- Lean Agile approach eliminates waste.
- SAFe to scale Agile accelerates adaptability and speed-to-value.
- Extreme Programming delivers high-quality software in short development cycles.
- User-Centered Design prioritizes user needs and behaviors to produce intuitive solutions.

DevSecOps

SPA applies robust techniques to seamlessly integrate security at every phase on the software life cycle to deliver elevated mission outcomes.

- Automated and tailorable CI/CD pipelines enable developers to build, scan, and deploy software to target environments rapidly.
- Proven holistic cyber-security framework aligns governance to processes and actions to continuously secure applications and environments.

PLATFORM ENGINEERING

SPA provides a scalable, secure, reliable, innovative, and flexible path to production for mission-critical capabilities.

- Dev Environment for IL4 and IL5 protects sensitive data.
- Max parity Staging and Test Environment aids data redundancy and recovery.
- Production Environment meets IL6, Secret On-Prem, and SCI requirements.

RESULTS

- Three-year ATOs granted by the Space AO for our IL4 Dev Environment, IL6 Production Environment, and Secret On-Prem Environment.
- Delivered first space system with active Cloud Defensive Cyber Operations for Space capability for IL4 and IL6.
- Delivered nine Operationally Accepted applications for CSpOC missions with three releases per month including new features, enhancements, or bug fixes.

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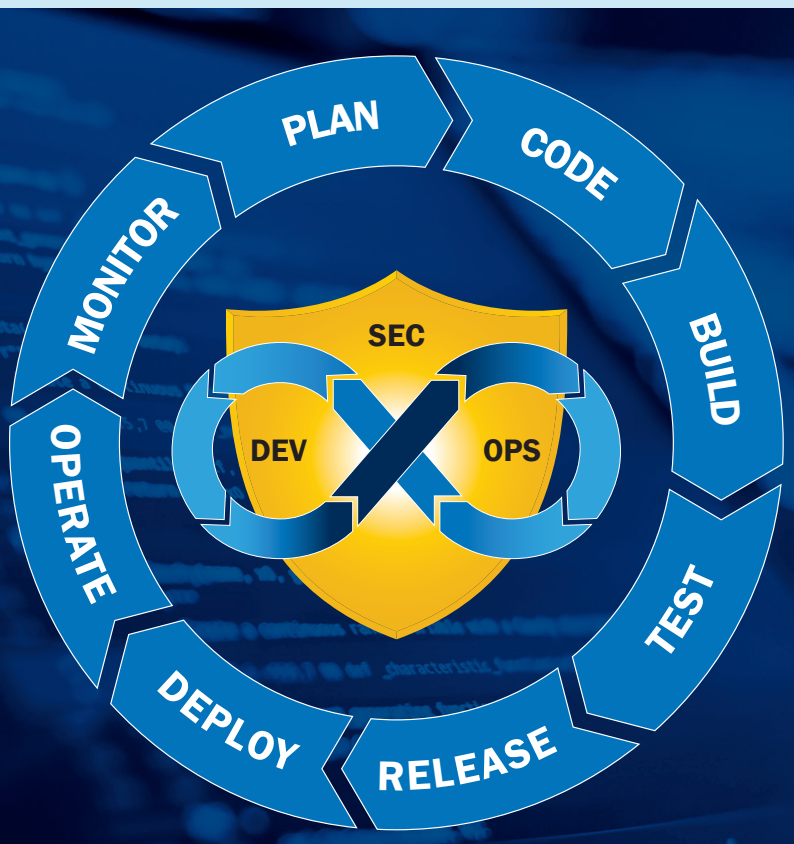
DISCOVERY AND FRAMING

SPA's Agile and DevSecOps process begins with discovery and framing, where the Product Manager, User Experience Designer/ Researcher, and Engineers collaborate to identify high-impact areas in current software processes. During this process we gather stakeholder input through workshops and interviews.

DEVELOPMENT

Agile and DevSecOps principles guide the creation of secure, efficient software. Developers build the technology stack based on user stories and security needs while working with cybersecurity experts to address potential vulnerabilities. Robust CI/CD pipelines enable rapid development with automated testing, code quality checks, and security scans.



SECURITY INTEGRATION

The security integration is a critical component of the Agile and DevSecOps process at SPA. It involves conducting a security risk assessment and modeling potential vulnerabilities of the technology stack. This information is used to assess the security posture of each software component, including third-party dependencies. Software bugs are fixed and security controls are established to mitigate unpatched vulnerabilities. Continuous monitoring and auditing ensure ongoing security posture is maintained.

- Increased efficiency and collaboration
- Improved software quality and security
- Reduced risk of vulnerabilities
- Enhanced warfighter capabilities

DECISION SUPPORT FOR NATIONAL SECURITY

Systems Planning & Analysis, a leading global provider of advisory services supporting national security objectives, provides deep domain expertise, problem-solving capabilities, and a results-driven approach to program life cycles, reaching a wide spectrum of market areas.

With over 50 years of experience, SPA successfully manages large, integrated professional service projects in engineering, analytics, modeling and simulation, and financial and scientific services for clients worldwide.

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