

Government & Defense QuickStart

Proven Solutions for Program & Lifecycle Management



INTRODUCTION

The Government and Defense sectors have unique challenges in providing large scale systems that are easy to use, highly scalable, secure, and fault tolerant. At the same time, agencies have to follow statutory methodologies and adhere to complex acquisition rules.

Whether you are involved in defining requirements, implementing major programs and systems, or conducting Independent verification and validation (IV&V), Coveros and Inflectra have you covered.

SpiraPlan provides an end-to-end application and product lifecycle management solution that, when coupled with Rapise for test automation, allows you to capture, manage, validate, and deploy systems with integrated traceability and compliance tracking.

Coveros extends the SpiraPlan / Rapise solution with its proven SecureCI™ DevOps framework and library of security, performance, and testing tools that can be layered onto the platform to provide a best of breed solution to solve your most difficult problems.

Key features of the integrated SpiraPlan, Rapise, SecureCI solution include:

- Requirements, feature, and use case management
- Requirements to test case, defect, and test step traceability (needed for mission systems)
- Test management for exploratory, automated, and manual testing

- Powerful project, program, and portfolio management with real-time dashboards
- Risk management including support for PRINCE2 processes, mitigations, and workflows
- Continuous Integration and Continuous Deployment with built-in security, functional and performance testing

IN TWO WEEKS, THE GOVERNMENT & DEFENSE QUICKSTART PROVIDES:

Test Architecture Discovery

During Test Architecture Discovery, Coveros will meet with your test managers and lead automation engineers to understand the existing testing operation and brainstorm on where SpiraPlan and Rapise best fit into your overall software development, testing, and delivery practice. The outcome of this discussion will be an agreement on how to best integrate SpiraPlan and Rapise within your process to maximize their effectiveness. Coveros will work with you to describe at a high level the associated test architecture so everyone is on the same page regarding how and where SpiraPlan and Rapise will be integrated into your process. Test Architecture Discovery typically includes:

1. Discussing existing software development, testing, and delivery process for relevant applications
2. Determining appropriate test architecture to integrate test automation into the process
3. Documenting test architecture at a high level

Product Integration & Training

Product Integration & Training installs and configures SpiraPlan, SecureCI and Rapise into the testing architecture defined during Test Architecture Discovery. Coveros will work with your testing team to integrate the requirements / use cases from one of your application development efforts, as well as any existing test cases you have, into SpiraPlan. A demonstration of how SpiraPlan can be used to manage your tests and requirements traceability will be provided.

In addition to product integration, formal SpiraPlan, SecureCI and Rapise training will be given to your test team. These courses will be delivered near the beginning of the QuickStart to ensure users are ready to hit the ground running.

Proof of Concept (PoC) Implementation

To jumpstart your test automation efforts with Rapise, Coveros will automate a sample of your existing software tests for the application loaded into SpiraPlan during Product Integration & Training. Test automation best practices will be used to create maintainable, reusable, and testable test automation scripts. A demo of this complete automation software testing system will be provided. The sample scripts will be deployed into a sample instance of the Coveros SecureCI DevOps platform.

Product Coaching & Enablement

To give your testing organization practice using SpiraPlan for test management, SecureCI for DevOps

and Rapise for test automation, Coveros will provide coaching on test management, DevOps, and automation best practices to the test team that went through the product training. Test automation scripts and sample SecureCI pipelines implemented by the team will be reviewed and feedback provided by Coveros.

Improvement Recommendations

At the end of the QuickStart, Coveros will provide a set of recommendations for improving test management, program management, DevOps, and automation going forward. These recommendations will span:

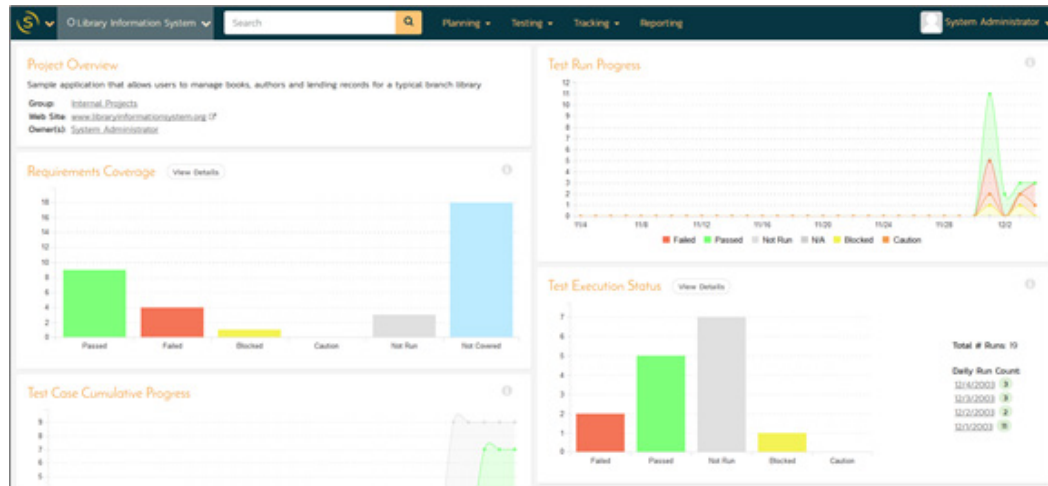
- Requirements & Test Management
- Agile Project & Program Management
- Test Automation & DevOps
- Risk Management

DEFENSE & GOVERNMENT QUICKSTART SUMMARY

SpiraPlan provides an end-to-end application and product lifecycle management solution that, when coupled with Rapise for test automation, allows you to capture, manage, validate, and deploy systems with integrated traceability and compliance tracking.

SecureCI is a proven DevOps platform, based on the JenkinsCI open source solution, that puts security and performance at the heart of your DevOps pipelines.

The Inflectra-Coveros Government and Defense QuickStart is a two week engagement that success-



Sample
SpiraPlan
Dashboard

fully launches SpiraPlan, SecureCI, and Rapise within your organization's software development, testing, and governance process.

ABOUT COVEROS

Founded in 2008, Coveros helps organizations accelerate the delivery of secure, reliable software. Our cutting-edge services help organizations assess and improve their software development, application security, and software quality processes.

Our clients include such leading organizations as: Employers Insurance Group, US Army, Telos Corporation, US Air Force, Fannie Mae, Forest Service, and Schlumberger. Coveros is headquartered in Northern Virginia with consultants nationwide.

To learn more about Coveros, visit www.coveros.com.

ABOUT INFLECTRA

Founded in 2006, Inflectra offers powerful software testing tools and project management software for automated project management, quality assurance, and test management. We strive to produce applications that are highly reliable, rich in functionality, and easy to use.

We serve industry leaders like Liberty Mutual Insurance, the United States Navy, Adventist Health System, Northrop Grumman, Leica Biosystems, Morningstar, and Georgia Tech Research Institute. Inflectra is based in the Silver Spring area of the Washington, DC metropolitan area.

To learn more about Inflectra, visit www.inflectra.com.