

Coveros SecureCI™ Jump-Start

Getting Going with SecureCI



INTRODUCTION

SecureCI™ is the industry's first and only open source continuous integration solution that integrates the build, test, and deploy process. By leveraging best-of-class open source products for source code control, build management, automated testing, security analysis, defect tracking, and project management, Coveros is able to provide a turnkey solution for leveraging the benefits of continuous integration.

While it is a comprehensive, out-of-the-box solution, many organizations may need help applying SecureCI to a specific environment, software project, or program initiative. Further, there may be aspects of SecureCI that an organization is interested in using but does not know enough about to make effective use of its capability. The Coveros SecureCI Jump-Start service lends Coveros's expertise and knowledge in continuous integration and the SecureCI product so organizations can take full advantage of the solution.

SECURECI PRODUCT

SecureCI provides organizations with an integrated suite of open source tools that assist in the automation of the software build, test, and deploy process. By integrating secure code analysis and web security testing technologies, SecureCI extends continuous integration to incorporate automated security analysis and security testing of applications as well.

SecureCI integrates the following open source technologies into one downloadable, usable product:

- *Subversion/Git*: Source code control
- *Jenkins*: Continuous integration server
- *Sonar*: Project management dashboard
- *Trac*: Defect tracking
- *Maven*: Build management
- *Ratproxy and ZAP*: Application security testing
- *JUnit and Selenium*: Unit, integration, and system testing
- *PMD and FindBugs*: Static code analysis for quality and security

SecureCI integrates these open source products so that they all can be run concurrently when building and testing your software, and the results can be viewed and analyzed from a centralized project management and metrics dashboard, as shown in figure 1.

SECURECI JUMP-START

SecureCI Jump-Start helps organizations maximize the impact that continuous integration and the use of SecureCI have on the software development process. The service provides one week of on-site support by a Coveros continuous integration consultant. The tasks and assistance this consultant will provide can be across a variety of areas:

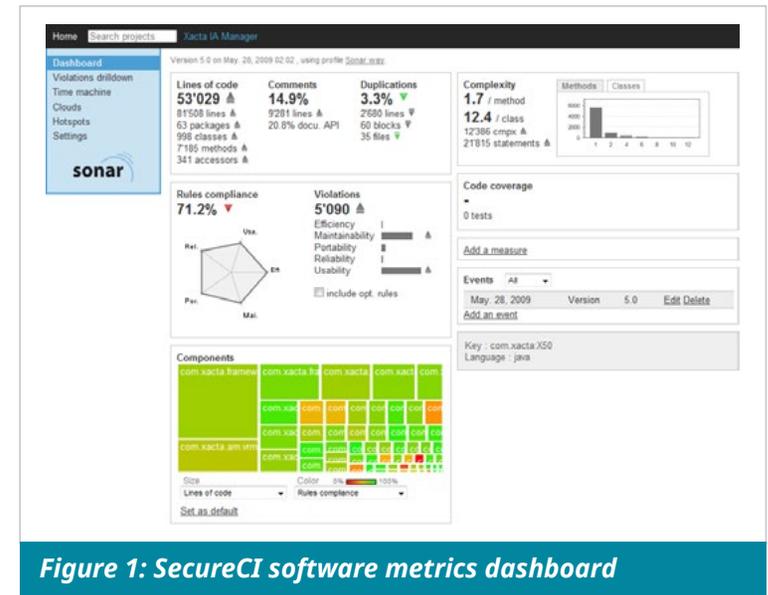


Figure 1: SecureCI software metrics dashboard

- SecureCI installation and configuration
- Automation of a project build within SecureCI
- Automation of existing regression tests
- Setup and analysis of application security for an existing product
- Examination of software metrics for use in tracking software quality and security progress

The outcome of a Jump-Start engagement is a working version of SecureCI that is set up to run build and test cycles for a specific software project. In addition, Coveros provides a recommendations report detailing how the organization can further improve its development process going forward.

SECURECI SERVICES & TRAINING

While SecureCI is a turnkey, out-of-the box solution, many organizations unfamiliar with continuous integration will want assistance to effectively deploy and leverage SecureCI. Coveros provides services to support these needs:

- *Third-party tool integration:* Many organizations already have defect-tracking or build management software. Coveros can help integrate these tools into SecureCI so you can leverage your existing investments
- *Training:* Coveros offers a two-day course that teaches the fundamentals of continuous integration and how to use SecureCI to its maximum capability

SUMMARY

Coveros SecureCI provides an open source, integrated continuous integration solution for helping organizations automate the software build, test, and deploy process. By integrating a suite of open source products, organizations now have access to a turnkey CI solution that they can immediately install and use. Coveros provides services and training to help organizations maximize their use of SecureCI.

ABOUT COVEROS

For over a decade Coveros has helped organizations accelerate their software delivery with the latest DevOps and agile methods. Our full complement of cutting-edge services help organizations assess and improve their software development, testing, DevOps, and application security practices.

Our clients include such leading organizations as UnitedHealth Group, Delta Dental, Department of Homeland Security, Symantec, US Air Force, Fannie Mae, RSA, WorldBank, and Advent.

Coveros is headquartered in northern Virginia.

To learn more about Coveros and our agile and DevOps services, go to www.coveros.com.



SecureCI™

INTEGRATED BUILD SERVER