



NORDIASOFT R-CHECK® SCA ADAPTER

Nordiasoft R-Check SCA Adapter

IS AN ECLIPSE-BASED PLUGIN TO SCA ARCHITECT, THAT IS AUTOMATICALLY INVOKED EACH TIME A DEVELOPER MODIFIES THE SOURCE CODE OF AN SCA ARCHITECT GENERATED COMPONENT WITH ADDITIONAL BUSINESS LOGIC OR DATA PROCESSING CODE.

SCA COMPLIANCE TESTING

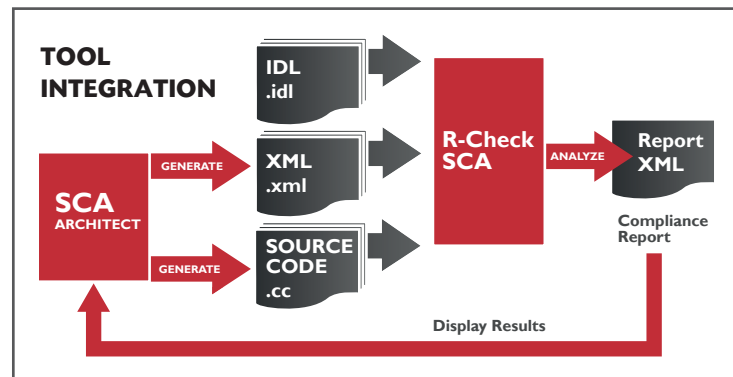
Reservoir Labs' R-Check SCA is a validation tool that simplifies Software Communications Architecture (SCA) compliance testing. The SCA specification includes requirements specifically targeted to source code, CORBA middleware IDLs, and XML descriptor files. R-Check SCA accelerates SCA development by supporting integrated testing across file types, ensuring completeness and consistency. Test coverage includes core POSIX and Minimum CORBA tests with expanded test coverage being added continuously. SCA-specific testing and validation tools benefits the SCA community developing and deploying SCA based Software Defined Radios (SDRs).

ACCELERATED SCA DEVELOPMENT

The seamless integration between Nordiasoft SCA Architect and Reservoir Labs' R-Check SCA brings the development experience to new levels. The Nordiasoft R-Check SCA Adapter enables developers to accelerate SCA development and shorten time to market. With the plugin, SCA developers can start testing for SCA compliance as soon as source code is generated by SCA Architect. By discovering problems early in the development process, developers can fix issues before they become expensive to address.

CERTIFYING AGENCY RESULTS

By Incorporating the Nordiasoft R-Check SCA plugin into daily development cycles, SCA developers will see equivalent testing results to those produced at the certifying agency, and can address non-compliance issues prior to submission for certification. Pre-testing within the same framework as the certifying agency accelerates time to market, reducing the need for expensive dry-runs and iterative submissions for certification.



TOOL INTEGRATION

Nordiasoft and Reservoir Labs have worked closely together to bring to market a solution with an unprecedented level of integration between modeling and validation tools. The Nordiasoft R-Check SCA Adapter is an Eclipse-based plugin to SCA Architect that is invoked automatically when the source code of an SCA Architect generated component is modified by developers, while business logic and data processing code is being added. This incremental approach is unobtrusive and very efficient. This validation ensures SCA compliance regarding the SCA, CORBA or POSIX APIs. Any issues detected by the Nordiasoft R-Check SCA Adapter are automatically displayed in the Eclipse's standard problem view. In this way, the project browser gets updated and identifies the component with compliance issues.

R-CHECK SCA FEATURES AT A GLANCE

- Built in SCA2.2 and SCA 2.2.2 support
- Static Analysis, test all code at once, including across several file types
- Finds violations before system integration
- Direct linking from violations to SCA source reference material.
- Unified analysis of source code, CORBA IDL, and SCA XML descriptor files
- Test early - 100% code coverage throughout the development cycle

FOR MORE INFORMATION
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