



Standalone CodeSonar® for Java and C# Release Notes

Version 3.2

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1 Brand and delivery

Standalone CodeSonar® for Java and C# is the result of an extensive re-branding work following the acquisition of the Julia static code analyzer by GrammaTech Inc. The 3.2 release, based on the 3.1.1 release of Julia focused on providing, as far as possible, the user with a clearly recognizable GrammaTech experience in terms of naming, graphics, and contact links.

As part of this work, effort has been made to refine the documentation and setup process in order to facilitate customer adoption in the most common on-premise scenarios.

Naming conventions

- All user interface references to the products are identified by the full product name or by the “Standalone CodeSonar” short form.
- Code and other technical artifacts are recognizable by the “codesonarj” technical product identifier (e.g. “codesonarj-installer-3.2.0.2.exe”)

2 Summary of changes

Rebranding

- All deliverable code artifacts rebranded to “codesonarj.” - #3353
- Core and Web Console documentation rebranded. - #3249, #3359
- All messages intended for users with explicit product naming have been rewritten.
- .Net tools and executables rebranded with improved Windows metadata. - #3353
- All plugins rebranded to “Standalone CodeSonar® for Java and C#” ensuring non-interference with previously installed Code Sonar plugins for Eclipse and Visual Studio.
 - Documentation of each plugin has been rebranded and updated to better describe the on-premise use case.
- As agreed with GrammaTech engineering, functional annotations and sources/sinks are still referring to the legacy “com.juliasoft” namespace.

Analysis Engine and API

- Splitting dotnet SARL specifications (dotnet-standard, dotnet-core, dotnet-framework). - #3358
- Added new annotations and improved annotation coverage (see below).

WebConsole & Services

- New Windows installer.
- Dropped VMware image packaging/delivery.

C# support

- No functional changes.

IDE and Continuous Integration plugins

- **Eclipse plugin** updated to version to 2.8.0.1.
- **Visual Studio Extension** updated to version 1.5.0.1.
 - Documented workaround for VS2019 rendering issues.
 - Dropped VS 2013 compatibility.
- **IntelliJ plugin** updated to version 2.7.0.1.
 - Now compatible with IntelliJ 2020+.
- **SonarQube plugin no longer distributed** as part of the default setup.
 - May be delivered separately based on opportunity.

3 Features and Improvements

Annotation Coverage

Improved annotation coverage of android frameworks. In particular, some methods are annotated to improve the following checkers:

- **Injection**: added sink for *UrlTrusted*
- **BasicNullness, Nullness**: annotated methods where nullness should be checked
- **EncryptionAndSecurityConfig**: annotated methods that should not use a hardcoded IP