Warnings Next Generation Plugin

Plugin Information

View Warnings Next Generation on the plugin site for more information.

Older versions of this plugin may not be safe to use. Please review the following warnings before using an older version:

- Script Security sandbox bypass
- XSS vulnerability

This plugin collects compiler warnings or issues reported by static analysis tools and visualizes the results.

Jenkins' Warnings Next Generation Plugin collects compiler warnings or issues reported by static analysis tools and visualizes the results. It has built-in support for almost hundred static analysis tools (including several compilers), see the list of supported report formats. It replaces the Jenkins Static Analysis Suite that has been part of the Jenkins plugin eco-system for more than ten years now. I.e. it makes the following Jenkins plugins obsolete: Android Lint, CheckStyle, Dry, FindBugs, PMD, Warnings, Static Analysis Utilities, Static Analysis Collector Plugins, Task Scanner, etc.
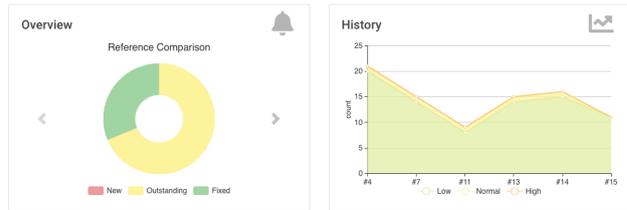
Plugin in action

You can see the plugin in action on our Jenkins CI instance:

- Static Analysis Model and Parsers Library
- Warnings Next Generation Plugin

Features overview

The plugin provides the following features when added as a post build action (or step) to a job:

1. The plugin scans the console log of a Jenkins build or files in the workspace of your job for any kind of issues. There are almost one hundred report formats supported. Among the problems it can detect:

   - errors from your compiler (C, C#, Java, etc.)
   - warnings from a static analysis tool (CheckStyle, StyleCop, SpotBugs, etc.)
   - duplications from a copy-and-paste detector (CPD, Simian, etc.)
   - vulnerabilities
   - open tasks in comments of your source files

2. The plugin publishes a report of the issues found in your build, so you can navigate to a summary report from the main build page. From there you can also dive into the details:

   - distribution of new, fixed and outstanding issues
   - distribution of the issues by severity, category, type, module, or package
   - list of all issues including helpful comments from the reporting tool
   - annotated source code of the affected files
   - trend charts of the issues

External references

- Documentation (GitHub)
- Changelog (GitHub)
- Chat (Gitter)
- Issue Tracker (Jira)
- Meetup Video (17.1.2019) and Slides (PDF)