

# JUnit Plugin

Allows JUnit-format test results to be published.

## Plugin Information

View JUnit [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:

- [CSRF vulnerability](#)
- [XML External Entity \(XXE\) processing vulnerability](#)

The JUnit plugin provides a publisher that consumes XML test reports generated during the builds and provides some graphical visualization of the historical test results (see [JUnit graph](#) for a sample) as well as a web UI for viewing test reports, tracking failures, and so on. Jenkins understands the JUnit test report XML format (which is also used by TestNG). When this option is configured, Jenkins can provide useful information about test results, such as trends.

This functionality was part of the Jenkins Core until it was split out to this plugin in version in 1.577.

## Configuration

The JUnit publisher is configured at the job level by adding a **Publish JUnit test result report** post build action. The configuration parameters include:

- **Test report XMLs:** Specify the path to JUnit XML files in the [Ant glob syntax](#), such as `**/build/test-reports/*.xml`. Be sure not to include any non-report files into this pattern. You can specify multiple patterns of files separated by commas. The base directory of the fileset is the workspace root.
- **Retain long standard output/error:** If checked, any standard output or error from a test suite will be retained in the test results after the build completes. (This refers only to additional messages printed to console, not to a failure stack trace). Such output is always kept if the test failed, but by default lengthy output from passing tests is truncated to save space. Check this option if you need to see every log message from even passing tests, but beware that Jenkins's memory consumption can substantially increase as a result, even if you never look at the test results!
- **Health report amplification factor:** The amplification factor to apply to test failures when computing the test result contribution to the build health score. The default factor is 1.0. A factor of 0.0 will disable the test result contribution to build health score, and, as an example, a factor of 0.5 means that 10% of tests failing will score 95% health. The factor is persisted with the build results, so changes will only be reflected in new builds.
- **Allow empty results:** If checked, the default behavior of failing a build on missing test result files or empty test results is changed to not affect the status of the build. Please note that this setting make it harder to spot misconfigured jobs or build failures where the test tool does not exit with an error code when not producing test report files.

## Changelog

### Version 1.26 (Sep 25 2018)

- [Fix security issue](#)

### Version 1.24 (Feb 5 2018)

- [Fix security issue](#)

### Version 1.23 (Nov 27 2017)

- [JENKINS-48178](#) - Set run result in `junit` step rather than `getContext().setResult(...)`
- [JENKINS-48196](#) - Remove redundant `parallel` branch names from `CaseResult` display name when appropriate.

### Version 1.22.2 (Nov 15 2017)

- [JENKINS-48020](#) - Get rid of warnings spam in logs and add stage info to failed tests list.

### Version 1.22.1 (Nov 14 2017)

- Fixing `junit` step on masters without `pipeline-stage-step` installed.

## Version 1.22 (Nov 14 2017)

- [JENKINS-37598](#) - Fix aggregation issues for multiple files containing cases for the same suite
- [JENKINS-27395](#) - Distinguish test reports filed in different stages and parallel branches in Pipeline.
- [PR #84](#) - Prevent unsafe cast to `TestResult`
- [PR #82](#) - Enable population of `errorDetails` for unit testing purposes

## Version 1.21 (Aug 4 2017)

- [PR #65](#): Do not register `XMLEntityResolver` as a global extension
- [PR #69](#): Fix a file descriptor leak
- [PR #71](#): Expose test data publicly
  
- [PR #77](#): Improve test results table readability

## Version 1.20 (Feb 13 2017)

- [JENKINS-41134](#) Incorrect reporting of multiple test results in some cases using Pipeline.
- [JENKINS-29736](#) Incorrect vertical axis values in test duration graph.

## Version 1.19 (Oct 17 2016)

- [JENKINS-32148](#) Highlight test result lines on hover.
- [PR #49](#) Do not bury 'AllowEmptyResults' configuration option in Advanced.
- [PR #56](#) Add '<' and '>' as unsafe URI characters.

## Version 1.18 (Aug 08 2016; 1.16 & 1.17 were botched)

- Symbol added in 1.15 did not work in Jenkins 1.x.

## Version 1.15 (Jul 12 2016)

- Integrate `Symbol` annotation.

## Version 1.14 (Jul 5 2016)

- [JENKINS-28784](#) make `TestDataPublisher` work in Pipeline.
- [PR #46](#) Option to cap, or at least log, number of iterations of `AbstractTestResultAction.buildDataSet`.
- [PR #45](#) Prevent wrapping for test name table cell.

## Version 1.13 (May 1 2016)

- [JENKINS-34407](#) Parse time correctly in `SuiteResult`.

## Version 1.12 (Apr 20 2016)

- [PR #36](#) Resolve occurrences of Sonar rule "UselessParenthesesCheck - Useless parentheses around expressions should be removed to prevent any misunderstanding" (see [this](#))
- [PR #35](#) Testsuite duration may be parsed from time attr.
- [JENKINS-33343](#) Upgrade to parent POM 2.x

## Version 1.11 (Feb 25 2016)

- Testsuite duration can be retrieved from its time attribute if it exists
- Remove the glitch symbol in the `JUnitResultArchiver` configuration

## Version 1.10 (Dec 10 2015)

- [JENKINS-12815](#) Added Job Configuration Option allowing to NOT fail JUnit Report publish when no xml report files
- [PR #23](#) Remove ambiguity between empty and unreadable files
- [PR #24](#) Add API allowing to access passed and skipped tests

## Version 1.9 (Sep 3 2015)

- Export `TestActions` on the `TestObject` to make them accessible via the REST API

- [JENKINS-24352](#) JUnit test result table wrapping duration text

## Version 1.8 (Jul 29 2015)

- [JENKINS-29613](#) Failure summary jumps to the top of the page when expanded/collapsed.

## Version 1.7 (Jul 17 2015)

- [JENKINS-29383](#) Failure summary does not work when special chars are present in path. Introduced [JENKINS-29613](#).

## Version 1.6 (May 01 2015)

- [JENKINS-26077](#) Duplicated result links when using the xUnit plugin.
- [JENKINS-27974](#) Unusable URL produced when `classname` field in results was empty.

## Version 1.5 (Mar 11 2015)

- Trim stdio even on failing tests, just to a 100x larger cutoff.
- Diagnostics for an infinite loop.
- Corrected help text.
- Japanese translation edits.

## Version 1.4 (Feb 04 2015)

- NPE not known to affect actual usage but blocking tests of [JENKINS-25446](#).

## Version 1.3 (Dec 03 2014) (requires 1.580.1+)

- [JENKINS-25573](#) Health score factor did not work.
- Repeated archiving fix in 1.2-beta-2 did not work on slaves.
- [JENKINS-24580](#) Older and newer links were swapped in the display.

## Version 1.2 (Nov 06 2014)

- [JENKINS-24006](#) Failed to save health scale factor.

## Version 1.2-beta-4 (Nov 04 2014)

- [JENKINS-25375](#) Restore deprecated method override for binary compatibility.

## Version 1.2-beta-3 (Oct 25 2014)

- Moving a forgotten file from core.
- [JENKINS-25280](#) Added `fullDisplayName` needed by [Cucumber Test Result Plugin](#).

## Version 1.2-beta-2 (Oct 20 2014)

- Permit the archive step to be run multiple times on the same build, aggregating results. (Applicable from workflows, not from normal usage as a publisher in a freestyle project.)
- Some configuration fields could not be set in 1.2-beta-1.
- Typos in some text, and German localization fixes.
- Do not show form validation errors when used from a non-freestyle context.
- Ignore a noisy `AccessDeniedException` when listing jobs.

## Version 1.2-beta-1 (Aug 25 2014)

- [JENKINS-23713](#) Taking advantage of APIs in 1.577+.

## Version 1.1 (Aug 25 2014)

- Marked as dependent on 1.577, so 1.575/1.576 users should not install it.

## Version 1.0 (Aug 11 2014)

Initial version after split.