

JUnit 5 Release Notes

Table of Contents

5.6.0-M1	1
JUnit Platform	1
JUnit Jupiter	2
JUnit Vintage	3
5.5.2	3
Overall Improvements	3
JUnit Platform	3
JUnit Jupiter	3
JUnit Vintage	4
5.5.1	4
JUnit Platform	4
JUnit Jupiter	4
JUnit Vintage	4
5.5.0	4

This document contains the *change log* for all JUnit 5 releases since 5.5 GA.

Please refer to the [User Guide](#) for comprehensive reference documentation for programmers writing tests, extension authors, and engine authors as well as build tool and IDE vendors.

5.6.0-M1

Date of Release:

Scope:

For a complete list of all *closed* issues and pull requests for this release, consult the [5.6 M1](#) milestone page in the JUnit repository on GitHub.

JUnit Platform

Bug Fixes

- Module `org.junit.platform.launcher` now reads `java.logging` due to usage of types in package `java.util.logging`.

Deprecations and Breaking Changes

- In the `EngineTestKit` API, the `all()`, `containers()`, and `tests()` methods in `EngineExecutionResults`

have been deprecated in favor of the new `allEvents()`, `containerEvents()`, and `testEvents()` methods, respectively. The deprecated methods will be removed in JUnit Platform 1.7.0.

New Features and Improvements

- New `printFailuresTo(PrintWriter, int)` method in `TestExecutionSummary` that allows one to specify the maximum number of lines to print for exception stack traces.
- The `junit-platform-commons` module no longer has a dependency on the `java.compiler` module (in terms of the Java Module System). Specifically, a new internal utility has been introduced in `PackageUtils` that implements functionality equivalent to `javax.lang.model.SourceVersion.isName(CharSequence)` from the `java.compiler` module.
- Exceptions thrown by test engines during discovery and execution are now reported to `TestExecutionListeners`.
- Module `org.junit.platform.console` now provides a `java.util.spi.ToolProvider` implementation that can be acquired by `ToolProvider.findFirst("junit")` when running on Java 9 or above.
- New methods in `DiscoverySelectors` to select and execute individual tests in inherited nested classes, via specific selectors (`NestedClassSelector` and `NestedMethodSelector`).

JUnit Jupiter

Bug Fixes

-

Deprecations and Breaking Changes

- `@EnabledIf` and `@DisabledIf` have been removed from Jupiter's API. Script-based condition APIs and their supporting implementations were deprecated in JUnit Jupiter 5.5 with the intent to remove them in JUnit Jupiter 5.6. Users must now rely on a combination of other built-in conditions or create and use a custom implementation of `ExecutionCondition` to evaluate the same conditions.

New Features and Improvements

- Support for multi-character delimiters in `@CsvSource` and `@CsvFileSource`.
- Support for custom `null` values in `@CsvSource` and `@CsvFileSource`.
- Documented support for comments in CSV files loaded via `@CsvFileSource`.
- Auto-detection of enum type from method signature for `@EnumSource`.
- New `@EnabledForJreRange` and `@DisabledForJreRange` annotations for enabling or disabling test execution over a range of JRE versions.
- The `@TempDir` extension now makes an attempt to delete non-writable files by making them writable first.
- New `junit.jupiter.execution.timeout.mode` configuration parameter to control whether timeouts are applied to tests. Supported values include `enabled`, `disabled`, and `disabled_on_debug`.

- New `TypeBasedParameterResolver<T>` abstract base class that serves as a generic adapter for the `ParameterResolver` API and simplifies the implementation of a custom resolver that supports parameters of a specific type.

JUnit Vintage

Bug Fixes

- JUnit 3 suites with duplicate test names are now reported correctly.

Deprecations and Breaking Changes

-

New Features and Improvements

- Performance improvements for projects with a large number of tests.
- Performance improvements for test classes with a large number of methods.

5.5.2

Date of Release: September 8, 2019

Scope: Bug fixes since 5.5.1

For a complete list of all *closed* issues and pull requests for this release, consult the [5.5.2](#) milestone page in the JUnit repository on GitHub.

Overall Improvements

- Published artifacts have been fixed regarding module descriptors.
 - Binary JAR files contain `module-info.class`.
 - Source JAR files contain `module-info.java`.
 - Javadoc JAR files contain neither `module-info.class` nor `module-info.java`.

JUnit Platform

No changes.

JUnit Jupiter

Bug Fixes

- The `JupiterTestEngine` no longer crashes without executing any tests if JUnit 4 is on the classpath but Hamcrest is not. Specifically, initialization of the

`OpenTest4JAndJUnit4AwareThrowableCollector` class no longer fails if the `org.junit.internal.AssumptionViolatedException` class cannot be loaded from the classpath due to a missing Hamcrest dependency.

JUnit Vintage

No changes.

5.5.1

Date of Release: July 20, 2019

Scope: Bug fixes since 5.5.0

For a complete list of all *closed* issues and pull requests for this release, consult the [5.5.1](#) milestone page in the JUnit repository on GitHub.

JUnit Platform

No changes.

JUnit Jupiter

Bug Fixes

- Fix test discovery and execution of inherited `@Nested` classes.

JUnit Vintage

No changes.

5.5.0

Date of Release: June 30, 2019

Scope:

- Declarative `@Timeout` support
- New `InvocationInterceptor` extension API
- New `LifecycleMethodExecutionExceptionHandler` extension API
- Deprecation of script-based conditions (`@EnabledIf` and `@DisabledIf`)
- Configurable test discovery implementation for `TestEngine` authors
- Explicit Java module descriptors
- Various minor improvements and bug fixes

For complete details consult the [5.5.0 Release Notes](#) online.