JUnit 5 Release Notes

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Version 5.5.0-SNAPSHOT

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This document contains the *change log* for all JUnit 5 releases since 5.4 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.

5.5.0-M2

Date of Release:

Scope:

For a complete list of all *closed* issues and pull requests for this release, consult the [5.5 M2](#) milestone page in the JUnit repository on GitHub.

JUnit Platform

Bug Fixes

*

Deprecations and Breaking Changes

*

New Features and Improvements

*

JUnit Jupiter

Bug Fixes

* Parameterized tests no longer throw an `ArrayStoreException` when creating human-readable test names.

Deprecations and Breaking Changes

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New Features and Improvements

* `MethodOrderer.Random` now generates a default random seed only once and prints it to the log in order to allow reproducible builds.

* Methods ordered with `MethodOrderer.Random` now execute using the `SAME_THREAD` concurrency mode instead of the `CONCURRENT` mode when no custom seed is provided.

JUnit Vintage

Bug Fixes

*

Deprecations and Breaking Changes

*

New Features and Improvements

*

5.5.0-M1

Date of Release: March 19, 2019

Scope: Configurable test discovery implementation

For a complete list of all *closed* issues and pull requests for this release, consult the 5.5 M1 milestone page in the JUnit repository on GitHub.

JUnit Platform

New Features and Improvements

- Configurable test discovery implementation that can be reused by different test engines (see Javadoc of the `org.junit.platform.engine.support.discovery` package).
- New `isFinal()` and `isNotFinal()` methods in `ModifierSupport`.

JUnit Jupiter

New Features and Improvements

- Expected and actual values are now supplied for failed `boolean` assertions for enhanced IDE and reporting support — for example, when `assertTrue()` or `assertFalse()` fails.
- `@ValueSource` now additionally supports literal values of type `boolean` for parameterized tests.

JUnit Vintage

No changes.

5.4.1

Date of Release: March 17, 2019

Scope: Bug fixes since 5.4.0

For a complete list of all *closed* issues and pull requests for this release, consult the 5.4.1 milestone page in the JUnit repository on GitHub.

Overall Improvements

- Fix `Specification-Version` entry in JAR manifests

JUnit Platform

Bug Fixes

- Restore compatibility with Android: Unsupported `Pattern` flags, like `UNICODE_CHARACTER_CLASS`, no longer cause class `StringUtils` to fail during initialization.

JUnit Jupiter

Bug Fixes

- Deletion of a temporary directory within a test no longer results in a test failure for a temporary directory supplied via `@TempDir`.

JUnit Vintage

Bug Fixes

- Fix reporting of finish events of intermediate containers with static and dynamic children, e.g. Spock test classes with regular and `@Unroll` feature methods in a test suite.

5.4.0

Date of Release: February 7, 2019

Scope:

- New `junit-jupiter` dependency-aggregating artifact for simplified dependency management in build tools
- XML report generating listener
- Test Kit for testing engines and extensions
- `null` and *empty* argument sources for `@ParameterizedTest` methods

- `@TempDir` support for temporary directories

- Custom display name generator API

- Support for ordering test methods

- Support for ordering extensions registered via `@RegisterExtension`

- `TestWatcher` extension API

- API for accessing outer test instances in `ExtensionContext`

- JUnit 4 `@Ignore` migration support

- Improved diagnostics and error reporting

- Improved documentation and user experience in the User Guide

- Discontinuation of the `junit-platform-surefire-provider`

- Various minor improvements and bug fixes

For complete details consult the 5.4.0 Release Notes online.