

# JDK 17u

## Welcome to OpenJDK 17 Updates!

OpenJDK 17 updates are part of the [JDK updates project](#) of the OpenJDK. [Rob McKenna](#) serves as the Project Lead. The list of Reviewers, Committers, and Authors can be found in the [jdk updates](#) section of the OpenJDK Census.

### Maintainers

- [Goetz Lindenmaier](#) (Lead Maintainer)
- [Andrew Haley](#)
- [Andrew John Hughes](#)
- [Christoph Langer](#)
- [Severin Gehwolf](#)

### General Information

OpenJDK 17 updates will be delivered on the same established [quarterly cycle](#) used by Oracle i.e. "the Tuesday closest to the 17th day of January, April, July and October."

Development takes place in the [jdk17u-dev](#) Git repository and should be the primary place for OpenJDK committers to submit their work.

Code from the development repository is regularly tagged and promoted to the master [jdk17u](#) repository, which is used to stabilize and deliver the quarterly releases. Distributors should use this as their primary source for creating OpenJDK builds.

For further process details you might want to continue reading [here](#).

### Contributing

New fixes should first be submitted to the development repository for the current version of OpenJDK, [jdk/jdk](#). Most changes submitted to the OpenJDK 17 project will be *backports* from this repository. Exceptions are made if an issue only applies to 17.

Everybody is encouraged to submit fixes for OpenJDK 17 by creating a pull request to the [jdk17u-dev](#) Git repository. Established community members will help new developers without commit access in getting their patch reviewed. For details on the process involved, continue reading these [backport instructions](#).

Should you not be willing or not be able to drive a fix into JDK 17 updates, you can still suggest changes by dropping a mail to the [jdk-updates-dev mailing list](#). But by only doing that, you are at the grace of the community to pick up your suggestion.

### Fix Approvals

In general we follow the [common rules for the jdk-updates project](#).

In addition to this list, we will consider

- Build system improvements, particularly for stability and reproducibility
- Changes necessary to make 17u work on new operating systems and hardware

However, if there is an enhancement that provides substantial benefit to OpenJDK 17u users and it is of low risk, we will consider it. Please ask on the [jdk-updates mailing list](#) mailing list if you are in any doubt about whether your proposed backport might qualify.

If the backport requires more than just cosmetic changes (file location changes, copyright header updates) to apply to the 17u repository, it should first be submitted for review.

Push approval for a fix is requested by setting the [jdk17u-fix-request](#) label on the original [JBS](#) bug. The maintainers will either approve by setting [jdk17u-fix-yes](#) or reject by setting [jdk17u-fix-no](#). Outstanding approvals can be monitored [here](#). If and only if the fix gets approved, it may be pushed to the [jdk17u-dev](#) repository. Approved fixes show up in this [JBS filter](#) (login required).

During the later stages of a release cycle, the release enters *rampdown*. The master [jdk17u](#) repository contains the latest version of that release, while the [jdk17u-dev](#) repository is used to start work on the next release. If a change needs to be pushed to a release in rampdown, push approval can still be requested using the [jdk17u-critical-request](#) label. As the name of this tag suggests, this process is intended for fixes such as major regressions that must make the release. More minor bugs and new features should go in the next release being developed in [jdk17u-dev](#). The maintainers may approve with [jdk17u-critical-yes](#), defer to [jdk17u-dev](#) or reject altogether. Outstanding approvals for critical fixes can be monitored [here](#). If, and only if, the fix gets approved with [jdk17u-critical-yes](#), it may be pushed to the [jdk17u](#) repository. Approved critical fixes show up in this [JBS filter](#) (login required).

At the end of the month prior to the release month, the [jdk17u](#) repository is declared frozen so embargoed security fixes can be added in private during the final few weeks. On release day, the final version will be pushed to the [jdk17u](#) repository and source bundles made available.

### Repositories

[jdk17u-dev](#): Always open repository for development of upcoming JDK 17 Update releases. Pushes after [jdk17u-fix-yes](#) approval. Check [here](#) for clearance.

[jdk17u](#): Repository used for Rampdown of JDK 17 Update releases. Pushes only during 4-weeks rampdown period after [jdk17u-critical-yes](#) approval. Check [here](#) for clearance.

## Timelines

The release date follows the schedule of [Oracle Critical Patch Updates](#) as this is the date embargoed security fixes can be published.

### OpenJDK 17.0.12

- Tuesday, July 16 2024 GA; OpenJDK 17.0.12 released (tag: jdk-17.0.12-ga)

### OpenJDK 17.0.13

- Wednesday, May 29 2024: jdk17u-dev repo open (tag: 17.0.13+0)
- Tuesday, July 30 2024: First merge from jdk17u-dev to jdk17u (tag: 17.0.13+1)
- Tuesday, August 27 2024: Rampdown; last merge from jdk17u-dev to jdk17u
- Tuesday, September 24 2024: Last tag before code freeze
- Tuesday, October 15 2024 GA; OpenJDK 17.0.13 released (tag: jdk-17.0.13-ga)

### OpenJDK 17.0.14

- Wednesday, August 28 2024: jdk17u-dev repo open (tag: 17.0.14+0)
- Tuesday, October 29 2024: First merge from jdk17u-dev to jdk17u (tag: 17.0.14+1)
- Tuesday, December 3 2024: Rampdown; last merge from jdk17u-dev to jdk17u
- Tuesday, December 31 2024: Last tag before code freeze
- Tuesday, January 21 2025 GA; OpenJDK 17.0.14 released (tag: jdk-17.0.14-ga)

### OpenJDK 17.0.15

- Wednesday, December 4 2024: jdk17u-dev repo open (tag: 17.0.15+0)

Generic timetable:

weeks	jdk17u-dev	jdk17u
release of update n-1		
for two weeks after release of update n-1	development of n ongoing	closed
4-5 weeks	development of n ongoing	bulk merge from jdk17u-dev to jdk17u, tagging builds
4 weeks	development of n+1	public rampdown of update n, tagging
3 weeks	development of n+1	closed, rampdown of embargoed changes.
release of update n		

## Latest Release

**Latest GA release:** 17.0.12

- 17.0.12+7 (GA), July 16th 2024, [\[Release\]](#) [\[Tag\]](#) [\[Binaries\]](#)

Older releases can be found in the [archive](#).

## Downloads

Latest Generally Available (GA) binary releases of the jdk17u stream of the OpenJDK jdk-updates project are available at: <https://adoptium.net/temurin/releases/?version=17>

Latest Early Access (EA) binary releases of the jdk17u stream of the OpenJDK jdk-updates project are available at: <https://adoptium.net/temurin/nightly/?version=17>

## JBS Filters

Some filters will only work for users that are logged into JBS.

## Standard Fix Requests

[\[All requests\]](#) [\[Approved requests\]](#) [\[Approved requests without push\]](#) [\[Unapproved requests\]](#)

## Critical Fix Requests

[\[All requests\]](#) [\[Approved requests\]](#) [\[Approved requests without push\]](#) [\[Unapproved requests\]](#)

### Filters for Release 17.0.12

[17.0.12/all: OpenJDK but not OracleJDK](#): Changes in OpenJDK 17.0.12 that are not in OracleJDK 17.0.12.

[17.0.12/all: OracleJDK but not OpenJDK](#): Changes backported to OracleJDK 17.0.3-17.0.12 but not in OpenJDK 17.0.12.

[17.0.12/new: OracleJDK but not OpenJDK](#): Changes new in OracleJDK 17.0.12 but not in OpenJDK 17.0.12.

### Filters for Release 17.0.13

[17.0.13/all: OpenJDK but not OracleJDK](#): Changes in OpenJDK 17.0.13 that are not in OracleJDK 17.0.13.

[17.0.13/all: OracleJDK but not OpenJDK](#): Changes backported to OracleJDK 17.0.3-17.0.13 but not in OpenJDK 17.0.13.

[17.0.13/new: OracleJDK but not OpenJDK](#): Changes new in OracleJDK 17.0.13 but not in OpenJDK 17.0.13.

### Filters for Release 17.0.14

[17.0.14/all: OpenJDK but not OracleJDK \(tbd\)](#): Changes in OpenJDK 17.0.14 that are not in OracleJDK 17.0.14.

[17.0.14/all: OracleJDK but not OpenJDK](#): Changes backported to OracleJDK 17.0.3-17.0.14 but not in OpenJDK 17.0.14.

[17.0.14/new: OracleJDK but not OpenJDK](#): Changes new in OracleJDK 17.0.14 but not in OpenJDK 17.0.14.

## Common jdk17u JBS labels

The above filters exclude issues that are marked with the following labels:

- [jdk17u-na](#) Change does not apply to open jdk17u. In general, this is a change done by Oracle for their build or test infrastructure, for their own delivery or in their tests not open sourced. Any other change can also be not of interest to open jdk17u.
- [jdk17u-defer-next](#) Change is generally acceptable, but should go into the next JDK 17 update release. I.e. 17.0.4 is currently collecting fixes in jdk17u-dev, but the proposed change should get into 17.0.5 (the next release) instead. The maintainers will clear this label when development of the next release (17.0.5 in the example) is started.
- [jdk17u-todo](#) Changes Oracle backported to older releases that are not backported to open jdk17u. We mostly need this tag to make the "all" filters more efficient.