

# New Contributor

This page lists out the current recommended steps to submit a patch as a **New Contributor** to OpenJDK. It assumes that you are making a fairly small change to core OpenJDK libraries, (i.e. Java code, as opposed to Hotspot C/C++/Assembly) for the [jdk9](#) project or [jdk8 updates](#) project. See the full list of [OpenJDK project code repositories](#) to check if there is a more suitable project for you to contribute to (e.g. [build-infra](#) for Build Infrastructure).

**NOTE:** A new project called [Betterrev](#) is being built to automate the manual steps below and provide a Build & Test farm for new patch contributions. We're looking for more volunteers, please contact [adoption-discuss@openjdk.java.net](mailto:adoption-discuss@openjdk.java.net) if you'd like to help!

**I NEED HELP!** If you need help at **any** time don't hesitate to contact us at [adoption-discuss@openjdk.java.net](mailto:adoption-discuss@openjdk.java.net) or on the IRC channel ([#adoptopenjdk](#) on [irc.freenode.net](#)).

## First Step

Read the [Official Contribution Guide](#) for OpenJDK.

## I'm comfortable starting on my own

If you feel you are comfortable diving straight in, then simply follow the steps outlined in the [Official Contribution Guide](#).

## I'd like to be guided through my first patch(es)

If you'd like some assistance in submitting your first patch, then the adoption group is a great place to start! You generally need to go through the following steps.

1. Find something you'd like to work on, either in [JBUG](#) or if you need some ideas contact the [mailing list](#).
2. Once you've decided, email the [mailing list](#) and state what you're going to work on. It's important to discuss a patch early!
3. Sign the [OCA](#) if you haven't already done so.
4. Get the latest OpenJDK source and build it - [Instructions Here](#)
5. Make your changes.
  - a. Don't forget to update the appropriate test case or provide a new one using TestNG
6. Run the [jreg](#) tests locally to make sure your patch is OK
7. Each [OpenJDK project](#) has their own coding standards, you should check for the area that you are working on. Make sure you check the relevant project page and apply the standards as needed.
8. Create a [Webrev](#) for your patch - it will create a mini static HTML website for you.
9. Host the Webrev somewhere on a web server that others can find/see.

At this stage you've probably done as much as you can locally, the next steps are:

1. Email [adoption-discuss@openjdk.java.net](mailto:adoption-discuss@openjdk.java.net) linking your Webrev and ask for an initial review.
2. Once that passes, you'll need to find a Sponsor to officially review your patch. This is typically someone with Reviewer status for that project, we can help you find one.
3. If you didn't have a JBUG issue, you may need to ask that reviewer to submit a bug on your behalf to reference against.
4. Assuming your patch passes review it will then be merged into OpenJDK. Please note that subsequent testing by Oracle's internal team in particular may find bugs in your patch and you'll be asked to fix those!

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