How to become an Eclipse committer in 20 minutes and to fork the Eclipse IDE
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Eclipse committer (ECF, RT-PMC)

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Eclipse committer (Platform, e4)
First let's become a committer

Then fork the Eclipse IDE
Join the Eclipse Open Source project
It's fun and you learn something new

You can build a career on Open Source
Your business depends on this feature, you really need it...
Btw. did you know that e4 is far more modular compared to 3.x! Most of the time you do not have to touch its code.

But if you have to, it is really extensible.
...some things still require a code change
Open or find an (existing) bug in Bugzilla

search for "helpwanted" keyword

(bug == enhancement/feature)
Eclipse source

http://git.eclipse.org
Might want to use Gerrit repo url directly?
Git clone
You fix and you commit

(locally)
Now you are a committer
Create an EF account & sign the CLA

https://dev.eclipse.org/site_login/createaccount.php

push change req to gerrit
push change req to gerrit

http://www.vogella.com/articles/Gerrit/article.html#eclipsegerritcontribution
rinse and repeat until accepted

The **Change-Id** is what uniquely identifies the change in Gerrit
But, your patch or Gerrit request still hasn't been reviewed...
...if you can't wait for upstream
Fork you!

Yeah!
Build your own Eclipse IDE

All the cool kids are forking Eclipse these days
Build Eclipse IDE

# clone
git clone -b master --recurse-submodules \\ git://git.eclipse.org/gitroot/platform/eclipse.platform.releng.aggregator.git

# fix manifest.mf to pom.xml versions (optional)
cd eclipse.platform.releng.aggregator/
mvn -Dtycho.mode=maven -Dmaven.repo.local=${WORKSPACE}/.repository org.eclipse.tycho:tycho-versions-plugin:update-pom

# clean up "dirt" from previous build
git submodule foreach git clean -f -d -x
git submodule foreach git reset --hard HEAD
git clean -f -d -x
git reset --hard HEAD

# update all submodules
git checkout master
git pull --recurse-submodules
git submodule update

# run the build
mvn clean verify

http://www.vogella.com/articles/Eclipse4Source/article.html#buildeclipse
Simpler

# clone
git clone
git://git.eclipse.org/gitroot/platform/eclipse.platform.releng.aggregator.git

# update master and submodules
git checkout master
git pull --recurse-submodules
git submodule update

# run the build
mvn clean verify

http://www.vogella.com/articles/Eclipse4Source/article.html#buildeclipse
Even more simple

# clone
git clone
git://git.eclipse.org/gitroot/platform/eclipse.platform.rele
m.releaggregator.git

# build
./script/build.sh

http://www.vogella.com/articles/Eclipse4Source/article.html#buil
declipse
Or simpler

# clone

```bash
git clone
git://git.eclipse.org/gitroot/platform/eclipse.platform.releng.aggregator.git
```

# Read the REAME file

# build

```bash
./script/build.sh
```

http://www.vogella.com/articles/Eclipse4Source/article.html#buildeclipse
Apply modification

1. Fork Eclipse repo at e.g. Github
2. Push your changes to your repo
3. Merge your changes into your local Eclipse repo before the build
Aggregation of other components currently partially supported by Tycho

See https://bugs.eclipse.org/bugs/show_bug.cgi?id=361722
Installing additional components into your custom build

eclipse \
   -application org.eclipse.equinox.p2.director \
   -noSplash \
   -repository \
   http://download.eclipse.org/releases/kepler \
   -installIUs \
We present to you...
Your custom Eclipse IDE build
Where to go from here

http://wiki.eclipse.org/CBI  Eclipse IDE CBI Build
http://www.vogella.com/articles/Git/article.html  Git tutorial
http://www.vogella.com/articles/Gerrit/article.html  Gerrit tutorial
http://www.vogella.com/articles/EGit/article.html  EGit tutorial
http://www.vocclipse.com/  vocclipse (custom) IDE build
For the love of Pete!
I fix this bug!
Thank you

For further questions:

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Eclipse Hackathon Hamburg

coming soon to a city near you...

...Hamburg Hackathon in 22. November 2013!!!