



STEPS TO WORK WITH CODE IN A FEATURE BRANCH

Step 1: Create a fork of the entire Mynewt repository on github.com.

Step 2: Setup repository on your laptop as outlined under “Step 2 Expanded” to use code in “feature1” branch. You create a new branch “mybranch” using “git checkout -b”. You also add a remote handle named “fork” that points to the github fork you created in Step 1.

Step 3: Check you are in “mybranch”. Write code. Stage and commit your changes (example shows adding all).

```
$ git checkout mybranch
$ git add .
$ git commit -m "your message about your code changes"
```

Step 4: Always pull the latest from the feature branch on Apache mirror to “mybranch” before pushing any changes to remotes. If you see merge conflicts, resolve them first.

```
$ git pull --rebase origin feature1
```

Step 5: Push your changes to “mybranch” branch on your github fork. If “mybranch” does not exist yet on your github fork, the command automatically creates it.

```
$ git push fork mybranch
```

Step 6: Generate a pull request from “mybranch” in your fork to “feature” in Mynewt.

.....> Indicates direction of code flow

Step 2 Expanded:

```
$ newt new devproject
$ cd devproject
$ newt install
$ cd repos/apache-mynewt-core
$ git status
On branch mynewt_1_0_0_tag
nothing to commit, working tree clean
$ git checkout feature1
$ git checkout -b mybranch
$ git remote -v
origin https://github.com/apache/incubator-mynewt-core.git (fetch)
origin https://github.com/apache/incubator-mynewt-core.git (push)
$ git remote add fork https://github.com/<user>/incubator-mynewt-core
$ git remote -v
origin https://github.com/apache/incubator-mynewt-core.git (fetch)
origin https://github.com/apache/incubator-mynewt-core.git (push)
fork https://github.com/<user>/incubator-mynewt-core (fetch)
fork https://github.com/<user>/incubator-mynewt-core (push)
$ git pull --rebase origin feature1
```