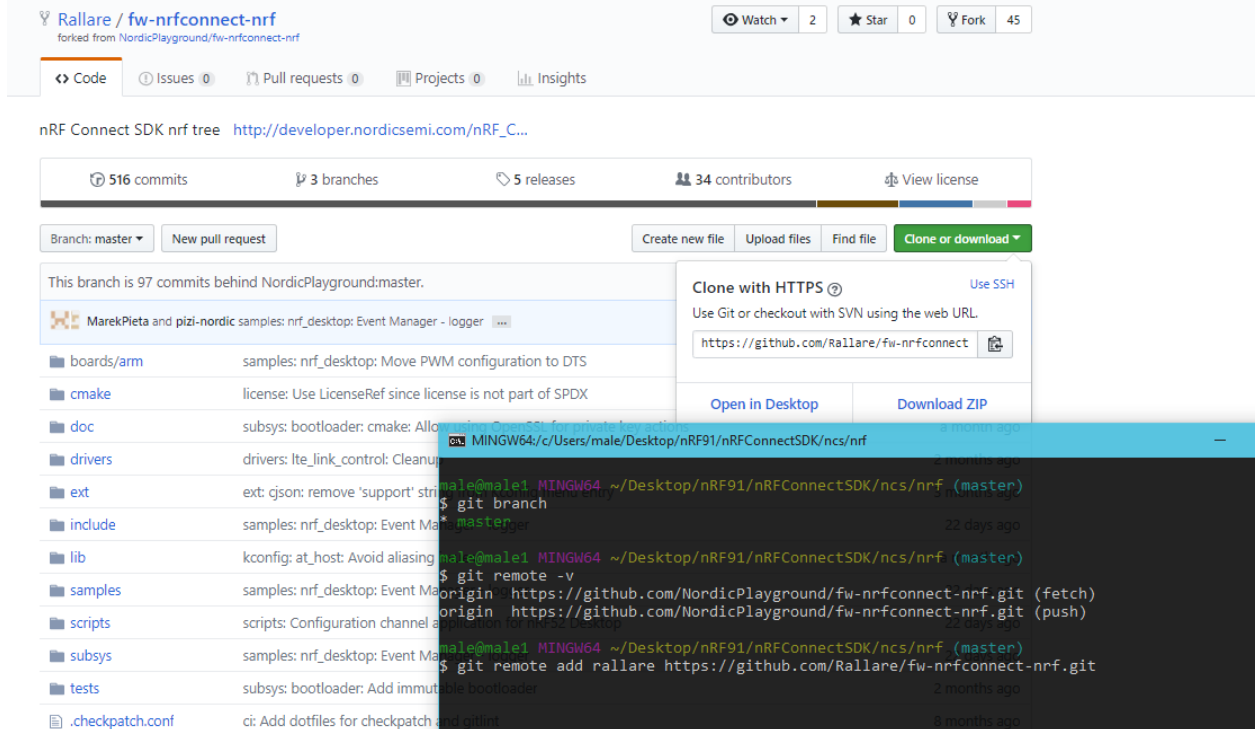


How to add a remote branch into your own local repository

1. First we see that we are in the **master** branch for our local clone of the “nrf” repository
2. And we also see that we have the remote to original repository
3. We can add the remote of another repository by “git remote add <what we call it> <remote address>”



The screenshot shows a GitHub repository page for 'Rallare/fw-nrfconnect-nrf', which is forked from 'NordicPlayground/fw-nrfconnect-nrf'. The repository has 516 commits, 3 branches, 5 releases, and 34 contributors. The current branch is 'master'. A file explorer on the left shows the repository structure, including folders like 'boards/arm', 'cmake', 'doc', 'drivers', 'ext', 'include', 'lib', 'samples', 'scripts', 'subsys', and 'tests'. A terminal window in the foreground shows the following commands and output:

```
male@male1 MINGW64 ~/Desktop/nRF91/nRFConnectSDK/ncs/nrf (master)
$ git branch
* master
$ git remote -v
origin https://github.com/NordicPlayground/fw-nrfconnect-nrf.git (fetch)
origin https://github.com/NordicPlayground/fw-nrfconnect-nrf.git (push)
rallare https://github.com/Rallare/fw-nrfconnect-nrf.git (fetch)
rallare https://github.com/Rallare/fw-nrfconnect-nrf.git (push)
$ git remote add rallare https://github.com/Rallare/fw-nrfconnect-nrf.git
```

Now we can see that the remote is added:

```
male@male1 MINGW64 ~/Desktop/nRF91/nRFConnectSDK/ncs/nrf (master)
$ git remote -v
origin https://github.com/NordicPlayground/fw-nrfconnect-nrf.git (fetch)
origin https://github.com/NordicPlayground/fw-nrfconnect-nrf.git (push)
rallare https://github.com/Rallare/fw-nrfconnect-nrf.git (fetch)
rallare https://github.com/Rallare/fw-nrfconnect-nrf.git (push)
```

Then we need to “download” the data from that remote, by “git fetch <name of remote>”

```
male@male1 MINGW64 ~/Desktop/nRF91/nRFConnectSDK/ncs/nrf (master)
$ git fetch rallare
Resolving deltas: 100% (197/197), completed with 45 local objects.
From https://github.com/Rallare/fw-nrfconnect-nrf
* [new branch]      master      -> rallare/master
* [new branch]      nrf9160_samples -> rallare/nrf9160_samples
* [new branch]      secure_boot_add_timers -> rallare/secure_boot_add_timers
```

-Now we can see that we have possible access to several branches. [git branch -r]

```
male@male1 MINGW64 ~/Desktop/nRF91/nRFConnectSDK/ncs/nrf (master)
$ git branch -r
  origin/HEAD -> origin/master
  origin/master
  rallare/master
  rallare/nrf9160_samples
  rallare/secure_boot_add_timers
```

And we want to make a local copy of the “nrf9160_samples” branch.

We do this by: git branch <whatever name> <name_of_remote>/<branch_we_copy>

```
male@male1 MINGW64 ~/Desktop/nRF91/nRFConnectSDK/ncs/nrf (master)
$ git branch extra_samples rallare/nrf9160_samples
Branch 'extra_samples' set up to track remote branch 'nrf9160_samples' from 'rallare'.
```

Now we can see we have made a new branch. [git branch]

```
male@male1 MINGW64 ~/Desktop/nRF91/nRFConnectSDK/ncs/nrf (master)
$ git branch
* extra_samples
* master
$ git remote -v
origin https://github.com/NordicPlayground/fw-nrfconnect-zephyr
```

Now we can go into that branch [git checkout <name_of_branch>]

```
$ west update
=== self-updating west:
--- west: fetching changes
remote: Enumerating objects: 19, done.
remote: Counting objects: 100% (19/19), done.
remote: Compressing objects: 100% (13/13), done.
remote: Total 19 (delta 6), reused 11 (delta 3), pack-reused 0
Unpacking objects: 100% (19/19), done.
From https://github.com/zephyrproject-rtos/west
* branch      master      -> FETCH_HEAD
* [new tag]   v0.5.8       -> v0.5.8
--- west: checked out 1980f707d6cb2b71d3488420e928051cc0a9df13 as detached HEAD
--- west: updated to master (from https://github.com/zephyrproject-rtos/west).
=== self-updating west:
--- west: fetching changes
From https://github.com/zephyrproject-rtos/west
* branch      master      -> FETCH_HEAD
--- west: checked out 1980f707d6cb2b71d3488420e928051cc0a9df13 as detached HEAD
=== updating fw-nrfconnect-zephyr (zephyr):
--- fw-nrfconnect-zephyr: fetching changes
remote: Enumerating objects: 10, done.
remote: Counting objects: 100% (10/10), done.
remote: Total 12 (delta 9), reused 10 (delta 9), pack-reused 2
Unpacking objects: 100% (12/12), done.
From https://github.com/NordicPlayground/fw-nrfconnect-zephyr
63a3b13c8d..8abf5475d3 master -> refs/west/master
--- fw-nrfconnect-zephyr: checked out e7a0e5263fb5081d548e69a823bf622cf23b83b6 as detached HEAD
=== updating fw-nrfconnect-mcuboot (mcuboot):
--- fw-nrfconnect-mcuboot: fetching changes
--- fw-nrfconnect-mcuboot: checked out 59fde9c792bfaa36887c860fb8cd0ca1f1bc4db5 as detached HEAD
=== updating nrfxlib (nrfxlib):
--- nrfxlib: fetching changes
--- nrfxlib: checked out d98b59bdf2b533f5afb7bdad229eaeb4a931882 as detached HEAD
```

At the end we do a “west update” to sync. Up the other repositories.

Now you should be able to build and run the samples.