Example on downloading WP76 yocto source from Github

# Procedure

1. If you do not have a GitHub account, you will need to create one for free at <https://github.com/join>
2. Setup git configuration

e.g. assume you have a git account with [username@gmail.com](mailto:username@gmail.com)

git config --global user.name "username"

git config --global user.email "username@gmail.com"

1. Created RSA keys for your linux development machine

ssh-keygen -t rsa -b 2048 -C “[username@gmail.com](mailto:username@gmail.com)”

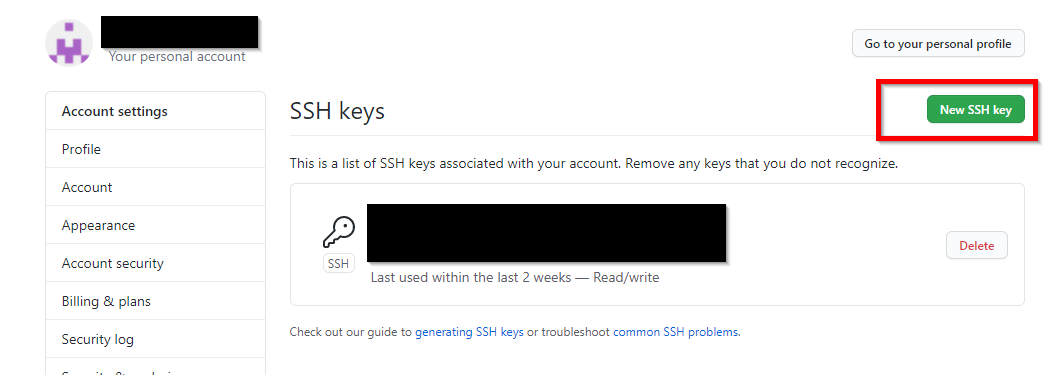
(Remember the passphrase, as you will need it to unlock the key whenever you use it. )

1. Open ~/.ssh/id\_rsa.pub and register the SSH key in <https://github.com/settings/keys>

e.g.

cat /home/owner/.ssh/id\_rsa.pub

copy the value to <https://github.com/settings/keys>



1. Set up permission for the keys.

e.g.

sudo chmod 400 /home/owner/.ssh/id\_rsa

ssh-add /home/owner/.ssh/id\_rsa

Enter passphrase for /home/owner/.ssh/id\_rsa:

sudo chmod 700 ~/.ssh/

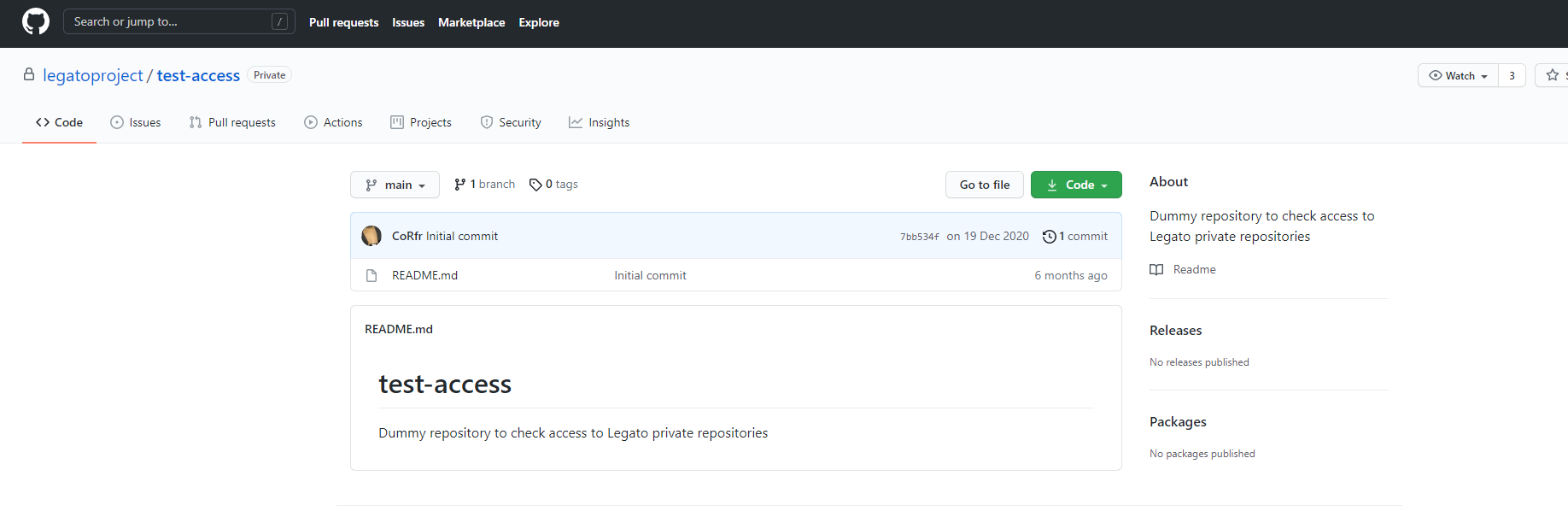
sudo chmod 600 ~/.ssh/\*

sudo chown -R owner ~/.ssh/

sudo chgrp -R owner ~/.ssh/

(where owner is the username of my PC)

1. To make it possible for your account to access private repositories, go to <https://swi-license.legato.io>. Follow the instructions, and if you choose to accept the license, your GitHub user will be placed in the legato project organization. You can check that access was granted successfully by accessing <https://github.com/legatoproject/test-access/>



1. Install git and repo tool

sudo apt-get install git

sudo apt-get install repo

For Ubuntu 14, repo cannot be installed.

We need to manually do this and install python 3.6:

curl https://storage.googleapis.com/git-repo-downloads/repo -o repo

chmod a+x repo

sudo add-apt-repository ppa:deadsnakes/ppa

sudo apt update

sudo apt install python3.6

sudo rm /usr/bin/python3

sudo ln -s /usr/bin/python3.6 /usr/bin/python3

1. Now download the WP76 yocto source (R16 in this example) from Github.

repo init -u ssh://git@github.com/legatoproject/manifest -m products/wp76xx/releases/Release16.xml -g default,-cache,proprietary

repo sync

For Ubuntu 14, you need to enter following to download yocto source.

python3 repo init -u ssh://git@github.com/legatoproject/manifest -m products/wp76xx/releases/Release16.xml -g default,-cache,proprietary

python3 repo sync

# Reference

1. <https://docs.legato.io/latest/toolsGitHub.html>
2. <https://issues.sierrawireless.com/browse/MOLWP9X07-952>