Bitbake: making and managing recipes for CCGX

To build all the CCGX rootfs or images with all the existing recipes, see instructions here: https://github.com/victronenergy/venus/blob/master/README.

Below guide is an introduction on how to add recipes and create/debug them.

Start bitbake:

```
make bb
```

Build a single recipe:

```
bitbake -b dbus-modbustcp_0.7.2.bb
```

That probably didn't work, because dependencies are missing. To build the recipe including dependencies, do:

```
bitbake dbus-modbustcp
```

when changing the source code that is fetched by the recipe, make sure to do a cleanall before running the recipe again (note I changed from the dbus-modbustcp example to vrmportal:

```
bitbake -c cleanall vrmportal
```

To see what happened, and where all the source files are, see here (replace vrmportal with the recipe you are working on):

```
/media/venusbuilds/venus/build/tmp-eglibc/work/armv7a-vfp-neon-ve-linux-
gnueabi/vrmportal-0.01-r0/
```

After successfully building a package, it is somewhere in the deploy folder. In above case it is here:

```
matthijs@matthijs-VirtualBox:/media/venusbuilds/venus/deploy/ipk/armv7a-vfp-
neon$ ls -al vrm*
-rw-r--r-- 1 matthijs matthijs 18381088 sep 20 13:19 vrmportal_0.01-
r0_armv7a-vfp-neon.ipk
-rw-r--r-- 1 matthijs matthijs      818 sep 20 13:19 vrmportal-dbg_0.01-
r0_armv7a-vfp-neon.ipk
-rw-r--r-- 1 matthijs matthijs      828 sep 20 13:19 vrmportal-dev_0.01-
r0_armv7a-vfp-neon.ipk
```

As you can see there is a dbg and dev as well, see internet for more explanation on those. Now, to test the package on a ccgx, copy the package to it: scp vrmportal_0.01-r0_armv7a-vfp-neon.ipk root@192.168.51.67:~/

and then login with ssh and install it:

```
root@ccgx:~# opkg install vrmportal_0.01-r0_armv7a-vfp-neon.ipk
```