

# Compile Accel-ppp on OpenWrt

## Getting the code

- This page contains the instructions for compiling Accel-ppp on OpenWrt version 23.05.x
- We assume you have already checked out the OpenWrt SDK.
- You can find more details here: <https://www.radiusdesk.com/wiki/technical/openwrt-prep>.
- Make sure you include install the packages needed for Accel-ppp.

```
#Do this under the openwrt directory  
cd openwrt  
./scripts/feeds install libpcre  
./scripts/feeds install libopenssl  
./scripts/feeds install libpthread  
./scripts/feeds install librt  
./scripts/feeds install libatomic  
./scripts/feeds install libucontext  
./scripts/feeds install kmod-sched-core  
./scripts/feeds install kmod-pptp  
./scripts/feeds install kmod-pppoe  
./scripts/feeds install kmod-ppp
```

- The Accel-ppp package is part of the MESHdesk code:

```
#Do this in the working directory e.g. cd 23.05.0 (on the same level as the  
openwrt directory)  
git clone https://github.com/RADIUSdesk/openwrt-meshdesk.git openwrt-  
meshdesk
```

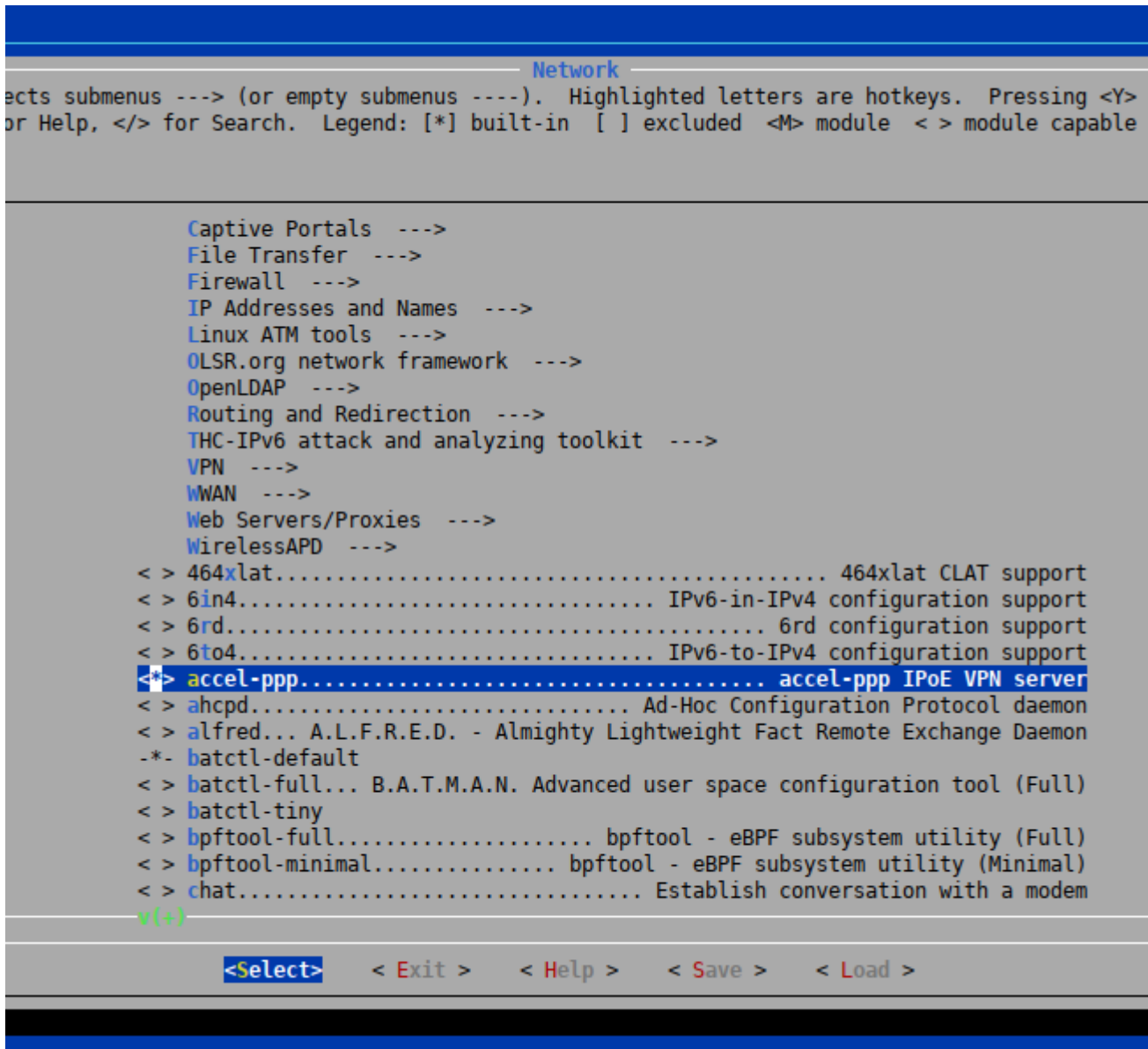
## Adding the package

- The **openwrt-accel-ppp** folder needs to be copied under the package folder (openwrt/package).

```
#cd to the working directory  
cp -R ./openwrt-meshdesk/openwrt-accel-ppp ./openwrt/package
```

## Selecting the package

- The package will be listed under **Network**.
- You can select it and run **make** to build the firmware.



## Ensuring smooth startup

- When we include Accel-ppp along with the MESHdesk package we do an initial prep before calling the start-up script.
- See the code below as reference

```
function rdAccel.__prepAccel(self)
  os.execute('/etc/init.d/accel-ppp disable');
  os.execute('mkdir /var/log/accel-ppp');
  os.execute('ln -s /usr/lib/accel-ppp/libconlimit.so /usr/lib');
  os.execute('ln -s /usr/lib/accel-ppp/libvlan-mon.so /usr/lib');
  os.execute('ln -s /usr/lib/accel-ppp/libradius.so /usr/lib');
end
```

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