

Kernel with ALTQ support for PF

If you build a router with PF and ALTQ support you will need these options added to your Kernel. Copy GENERIC file to a new file, for example ROUTER (GENERIC file is located in /usr/src/sys/i386/conf) then edit and add the following options:

```
# ----- append this to ROUTER kernel configuration file -----
```

```
# used for bridge support, device polling and ipstealth protection
options BRIDGE
options DEVICE_POLLING
options IPSTEALTH
```

```
# tuning
options MAXFILES=8192
```

```
options SYSVMSG
```

```
# ALTQ support in kernel
options ALTQ_CBQ
options ALTQ_RED
options ALTQ_RIO
options ALTQ_HFSC
options ALTQ_PRIQ
```

```
# pf (OpenBSD's Packet filter) support in FreeBSD kernel
device mem
device pf
device pflog
device pfsync
```

```
# ----- end of ROUTER file -----
```

As you see not all options are for PF and ALTQ support. There are some other options that helps when you build a router (like DEVICE_POLLING) support. This kernel configuration file also supports BRIDGE mode, for building a BRIDGE.