

1. Compile kernel with HDLC support:

We suggest that you use either a Kernel version of 2.4.20 or lesser, or that you use a Kernel of 2.6.8 or greater. The HDLC implementation in the interval kernels is in a state of too much flux.

```
Device Drivers
  Networking Support
    *Wan Interfaces Support
      *Generic HDLC Layer
        *Raw HDLC support
```

\* NOTE: Cisco HDLC support is currently broken as of kernel 2.6.12. The only disadvantage of Raw HDLC support is that you can only p

2. Rebuild and reboot into your kernel

3. Uncomment the following line in zconfig.h of the Zaptel package:

```
#define CONFIG_ZAPATA_NET
```

If you are using a kernel prior to 2.4.19, also uncomment this line:

```
#define CONFIG_OLD_HDLC_API
```

And rebuild Zaptel including the creation of the SetHDLC utility:

```
make sethdlc-new      ;use "make sethdlc" for
                      ;kernels 2.4.19 and prior
make install
```

4. Configure the span and channels as such or equivalent in /etc/zaptel.conf:

```
span=1,0,0,esf,b8zs
nethdlc=1-24
```

5. Load and configure your driver:

```
modprobe wctlxxp
ztcfg
```

6. Use sethdlc to bring up the interface using Raw HDLC mode:

```
sethdlc hdlc0 hdlc
```

-or- for old style (make sethdlc instead of sethdlc-new) use:

```
sethdlc hdlc0 mode hdlc
```

7. Assign the interface an address:

```
ifconfig hdlc0 192.168.0.1 netmask 255.255.255.0
```

8. The interface may be addressed as any other networking interface, i.e. eth0, in Linux.