

## Setting and Checking NIC

The below notes can be used for revision purposes and describe how to check the configuration of the network interface card (NIC).

### Checking NIC

Use the correct interface i.e hme or le0.

/usr/sbin/ndd -get /dev/hme link_status	0=Down, 1=Up
/usr/sbin/ndd -get /dev/hme link_speed	0=10mbit, 1=100mbit
/usr/sbin/ndd -get /dev/hme link_mode	0=Half Duplex, 1=Full Duplex
/usr/sbin/ndd -get /dev/hme adv_autoneg_cap	0= No Autonegotiation, 1=autoneg enabled

### Setting the NIC

/usr/sbin/ndd -set /dev/hme instance 0	This makes the next commands apply to hme
/usr/sbin/ndd -set /dev/hme adv_autoneg_cap 1	Set autoneg to ON
/usr/sbin/ndd -set /dev/hme link_speed 1	Set speed to 100mbits.

/usr/sbin/ndd -set /dev/le0 instance 0	This makes the next commands apply to le0
/usr/sbin/ndd -set /dev/le0 adv_autoneg_cap 1	Set autoneg to ON
/usr/sbin/ndd -set /dev/le0 link_speed 1	Set speed to 100mbits

### System file

To set the NIC's configuration in the /etc/system use the following, you can use any of the above commands in the same syntax: -

```
* Force full duplex
Set hme:hme_adv_autoneg_cap=0
Set hme:hme_adv_100T4_cap=0
* (for 100FDX)
set hme:hme_adv_100fdx_cap=1
set hme:hme_adv_100hdx_cap=0
* (for 10 FDX)
set hme:hme_adv_10fdx_cap=0
set hme:hme_adv_10hdx_cap=0
```

key:

FDX = Full Duplex

### Help

To get a list of the parms you can change use: -

```
/usr/sbin/ndd /dev/hme \? * Note the \ (forward slash)
```

### Other devices

There are other devices you can change:

```
/dev/hme
/dev/le0
/dev/tcp
/dev/ip
```

Remember see help to get a full listing of the parms you can change.