

NIC Link Status

To show the Link Status on an interface (Speed, Duplex, MDIX etc) we can use the **ethtool** command.

From the command line enter:

```
/sbin/ethtool ethx (where x is the interface number)
```

Example:

```
/sbin/ethtool eth4    (in this example, eth4 is connected to a Cisco 3560G switch)
Settings for eth4:
  Supported ports: [ TP ]
  Supported link modes:   10baseT/Half 10baseT/Full
                        100baseT/Half 100baseT/Full
                        1000baseT/Full
  Supported pause frame use: Symmetric
  Supports auto-negotiation: Yes
  Advertised link modes:  10baseT/Half 10baseT/Full
                        100baseT/Half 100baseT/Full
                        1000baseT/Full
  Advertised pause frame use: Symmetric
  Advertised auto-negotiation: Yes
  Speed: 1000Mb/s
  Duplex: Full
  Port: Twisted Pair
  PHYAD: 1
  Transceiver: internal
  Auto-negotiation: on
  MDI-X: off (auto)
  Supports Wake-on: d
  Wake-on: d
  Current message level: 0x00000007 (7)
                        drv probe link
  Link detected: yes
```

Example 2

```
/sbin/ethtool eth0    (in this example, eth is connected to a P ProCurve)
Settings for eth0:
  Supported ports: [ TP ]
  Supported link modes:   10baseT/Half 10baseT/Full
                        100baseT/Half 100baseT/Full
                        1000baseT/Full
  Supported pause frame use: Symmetric
  Supports auto-negotiation: Yes
  Advertised link modes:  10baseT/Half 10baseT/Full
                        100baseT/Half 100baseT/Full
                        1000baseT/Full
  Advertised pause frame use: Symmetric
  Advertised auto-negotiation: Yes
  Speed: 100Mb/s
  Duplex: Full
  Port: Twisted Pair
  PHYAD: 1
  Transceiver: internal
  Auto-negotiation: on
  MDI-X: on (auto)
  Supports Wake-on: pumbg
  Wake-on: g
  Current message level: 0x00000007 (7)
                        drv probe link
  Link detected: yes
```

From:
<https://wiki.alanwalker.uk/> - WalkerWiki - wiki.alanwalker.uk

Permanent link:
https://wiki.alanwalker.uk/doku.php?id=nic_link_status

Last update: **2023/03/09 22:35**

