IPMP MADE EASY

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In this setup we will be working with two physical interfaces ce0, ce3 and two logical interfaces ce0:1 and ce3:1 and 4 physical IP addresses.

1) The hostname for our machine will be called 'oak' lets add the following to /etc/hosts 10.0.0.50 oak 10.0.0.51 oak-dum 10.0.0.52 oak-ce0 10.0.0.53 oak-ce3

2) Verify local-mac-address? is set to true. # eeprom local-mac-address? local-mac-address?=true

By default every network interface in a system uses the MAC address in a machine NVRAM. If you set the local-mac-address property to true, the interface on the card will use the value stored on the card rather than the NVRAM address.

- * setting local-mac-address to true will not take effect until next reboot*
- 3) This host will not be forwarding packets so let's add the following. # touch /etc/notrouter
- 4) Copy the following script to /etc/init.d/rdisc This script will start the ICMP router discovery protocol.

```
echo "Usage: $0 { start | stop }"
;;
esac
exit 0
--- EOF ---
5) Create Hard Link
# ln /etc/init.d/rdisc /etc/rc2.d/S70rdisc
```

- 6) Manually set configuration
 - Note if interfaces are already plumbed please ignore the plumb directive in the following lines.

```
# ifconfig ce0 plumb oak-ce0 netmask + broadcast + group production -failover deprecated up
# ifconfig ce3 plumb oak-ce3 netmask + broadcast + group production -failover deprecated up
# ifconfig ce0 addif oak netmask + broadcast + failover up
# ifconfig ce3 addif oak-dum netmask + broadcast + failover up
```

Verify config with /usr/sbin/ifconfig -a Now lets add this config on start up

7) Everything looks good so we can now permanently add this to our system to start on boot.

```
We will place the following directives in the files listed below.
--- /etc/hostname.ce0 ---
oak-ce0 netmask + broadcast + group production deprecated -failover up
addif oak netmask + broadcast + failover up
--- /etc/hostname.ce3 ---
oak-ce3 netmask + broadcast + group production deprecated -failover up
addif oak-dum netmask + broadcast + failover up
```

8) Now lets pull the ce0 cable and verify failover is working you should see a message in your /var/adm/messages about nic failover you can also use ifconfig -a to veryify the changes has been updated accordingly.

Don't forget your address configured for users/applications is "oak"