

V02- DCS Opened Node Validation - Test Router Failover

To use the WHOI Ethernet BER software:

1) Attach 1 server containing the software one to the shore side and one to the sea side. The present setup mentioned in this doc assumes that the LANFORGE is connected to both the sea and shore routers. If you configure down all shore connections the lanforge can be used as the subsea test server:

ifconfig ethx down where x is the number of the ethernet port (0-7) connected to the shore

2) Insure that each server has a route to the other.

from subsea (lanforge):

route add -host 10.91.128.57 eth3

ping 10.91.128.57

from shore (marsdcs)

ping 10.1.11.101

UDP TEST:

3) Start the ethernet receive software on the shore side:

/home/stevel/NetworkBER/pr -p1234 -S -D

4) Start the ethernet transmit software on the subsea side:

/home/stevel/NetworkBER/pw -h10.91.128.57 -p1234 -B52000 -r200 -s -P0

TCP TEST:

3) Start the ethernet receive software on the shore side:

/home/stevel/NetworkBER/pr -p1234 -S -B52000 -D -ttcp

4) Start the ethernet transmit software on the subsea side:

/home/stevel/NetworkBER/pw -h10.91.128.57 -p1234 -B52000 -r200 -s -P0 -ttcp