IBM Netfinity Cluster Enabler for Oracle®
Task Overview

These steps outline the procedures necessary to successfully set up an IBM Netfinity cluster for Oracle Parallel Server. The attached diagram shows the wiring of a two-node cluster, but the same principles apply to four- and six-node clusters. You should plan plenty of time to set up the entire cluster (at least 16 hours).

1. Unpack and set up the Racks

2. Install the Hardware (Servers, Hubs, etc.) into the Racks

3. Install the required Upgrades (i.e., memory and processors) into each Netfinity 7000 Server

4. Install the ServeRAID II, EtherJet PCI and Fibre Channel adapters into each Netfinity 7000 Server

5. Connect the IBM 100/10 EtherJet PCI Adapter in each Server to the Etherjet LAN Switch

6. Connect the Monitor, Keyboard and Mouse cables from each Server to the Console Server Selector Switch

7. Connect the Fibre Channel cables from the Fibre Channel Adapter in each Server to the Vixel Hub

8. Connect the SCSI cables from the Symbios Drive Module(s) to the Symbios Controller Module

9. Connect the servial cables from each Server to the APC Smart-UPS(Optional)

10. Connect the Power Cables from all components to the APC Smart-UPS

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11. Power-up Hardware according to the prescribed Sequence in the manual

12. Configure the ServeRAID II Adapter (on all servers)

13. Install Microsoft Windows NT Server Enterprise Edition with Service Pack 3 (on all servers)

14. Install the Device Drivers and verify firmware levels for the Fibre Channel adapter (on all servers)

15. Install Symplicity Manager and create LUNs

16. Create a 2MB extended partition on the shared storage for the Cluster Enabler Heartbeat Disk

17. Install Oracle Parallel Server (OPS) Version 8.04 (on all servers)

18. Install the IBM Cluster Enabler Files (OSD Software) Version 1.0 (on all servers)

19. Verify and test connectivity of the network (on all servers)

20. Assign symbolic links for the IBM Cluster Enabler Heartbeat Disk (on all servers)

21. Configure the IBM Cluster Enabler

22. Set port numbers in Windows NT SERVICES File (on all servers)

Your cluster is now ready for Oracle configuration!