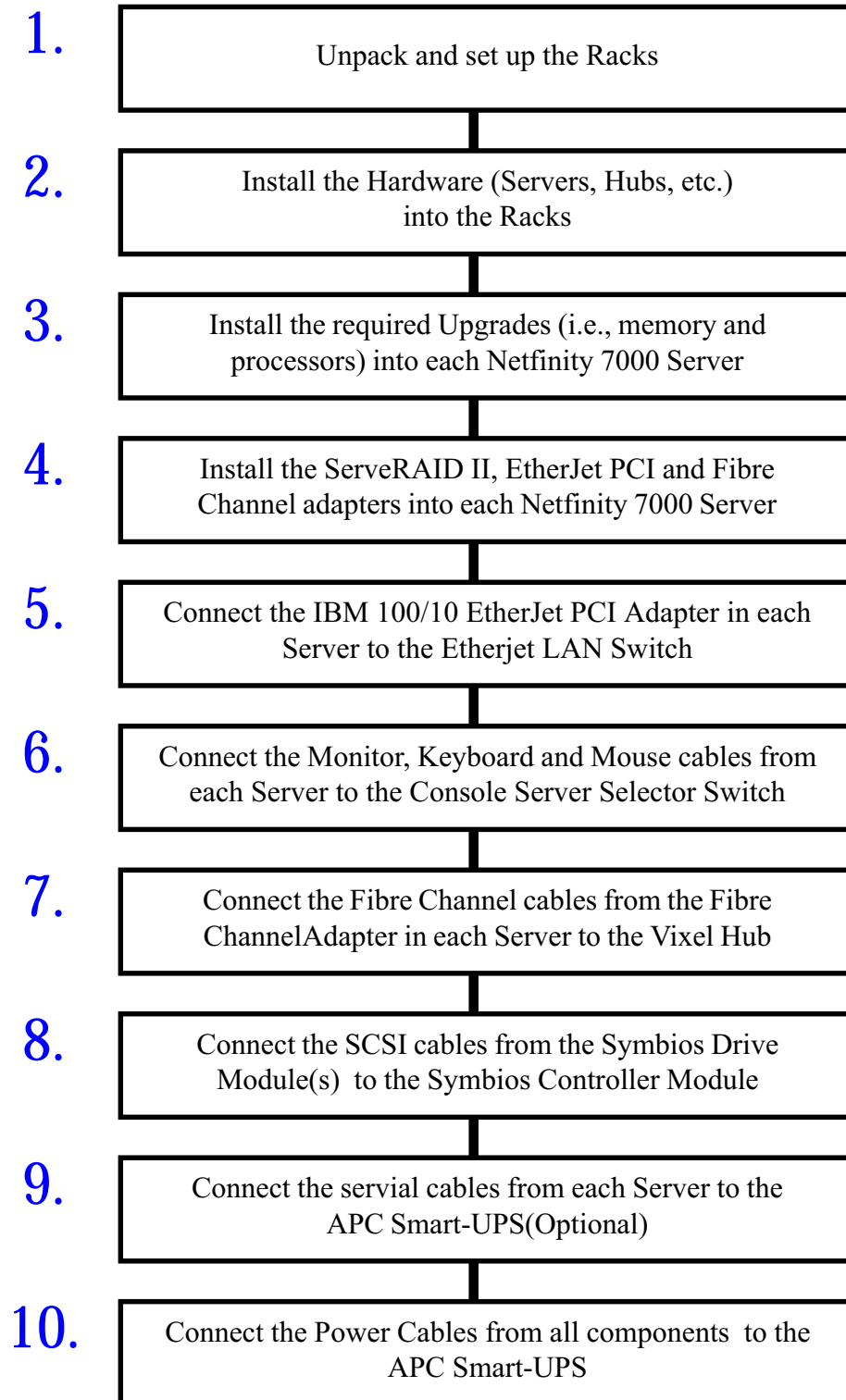# IBM Netfinity Cluster Enabler for Oracle®
## Task Overview

*These steps outline the procedures necessary to successfully set up an IBM Netfinity cluster for Oracle Parallel Server. The attached diagram shows the wiringof 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 ChannelAdapter 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

**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!