

## HP Parallel Database Cluster for Windows Sample Configuration

- HP BladeSystem
- 4 x BL20p 2 processor Xeon Blade Servers
- MSA1500 Storage Array
- Fully redundant IO paths

This document shows the basic building blocks necessary for implementing a valid Parallel Database Cluster solution for Oracle RAC. This is not intended to be a comprehensive proposal. It is simply an example of the basic server and storage components required. Contact an authorized HP reseller for a comprehensive proposal.

### Detailed Bill Of Materials (BOM)

<b>Blade System</b>		
Quantity	Part Number	Description
4	347956-B21	ProLiant BL20p G3 X3.2-1MB, 2GB (2P) with FC Adapter
4	343056-B21	2GB of Advanced PC2 PC3200 Memory Kit (2 x 1024 MB)
8	286776-B22	36.4GB Ultra320 15,000 rpm Drive (1")
1	281404-B22	ProLiant BL p-Class Server Enclosure Enhanced W/RDP
1	306465-B21	BL p-class RJ-45 Patch Panel <b>W/Fibre Pass Through</b>
1	378284-B21	1U Power Enclosure with six power supplies
<b>MSA1500 Storage</b>		
Quantity	Part Number	Description
1	AA986A	MSA1500 controller shelf
2	254786-B21	HP 256MB Battery-Backed Cache Module
1	AA987A	MSA 1500 Fibre Channel I/O Module
1	AA988A	MSA 1500 Dual Channel SCSI I/O Module
10	221470-B21	2 Gb SFP SW Transceiver Kit
2	AA979A	HP StorageWorks SAN Switch 2/8V
14	286776-B22	36.4GB Ultra320 15,000 rpm Drive (1")
10	221692-B22	5 meter LC-LC Cable
<b>Software</b>		
Quantity	Part Number	Description
4	339234-B21	Windows Server 2003, Enterprise Edition 25 CALs

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4	213076-B26	Secure Path V3.0 for Workgroup Edition
	Non-HP	Oracle Software and licenses
<b>Cluster Interconnect</b>		
Quantity	Part Number	Description
1	263474-B23	CAT5 cables 12FT (8 per pack)
1	J4817A	ProCurve Switch 2312
<b>Services</b>		
Quantity	Part Number	Description
1	HA533AE	HP Start-up for PDC RAC