

## HP Processor/Core naming conventions



In this presentation, a PROCESSOR is the component that plugs into a processor socket – it may contain more than one processor core.

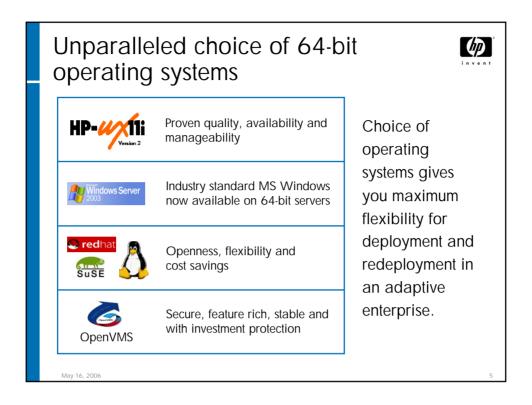
A CORE is the actual data-processing core within a Processor – there may be multiple cores within a single processor.

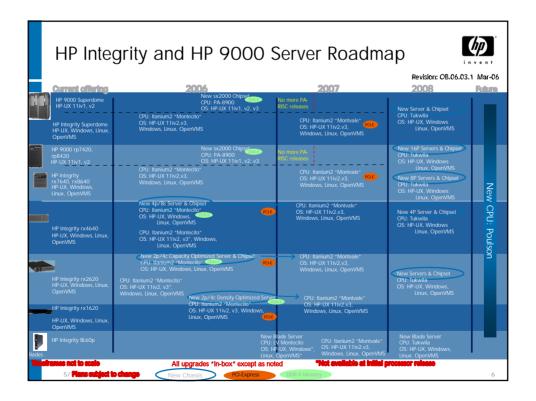
#### **Examples:**

product	old vendor naming	using HP's "P/C" naming
HP rx4640-8 with Itanium 9M (single core)	"4 processors"	4P/4C (may be abbreviated 4P or 4C)
HP rx4640-8 with Montecito (dual core)	"8 processors"	4P/8C

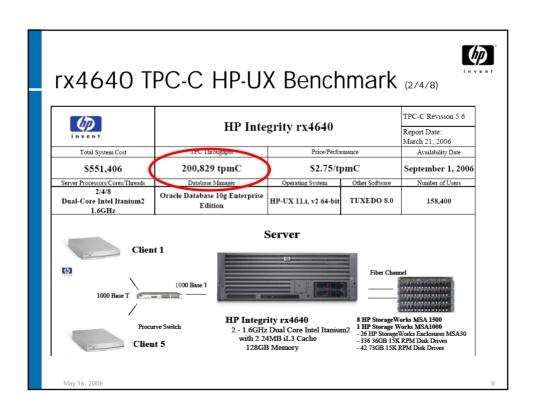
May 16, 2006

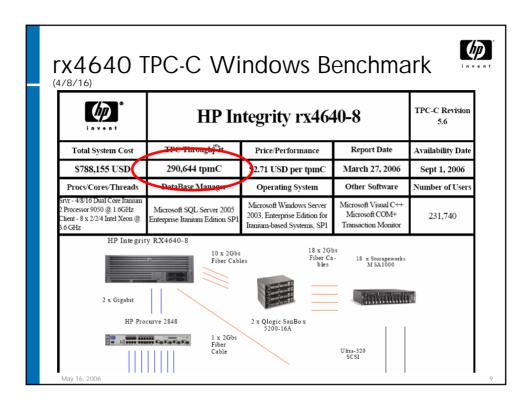
HP Integrity servers: The broadest line of Enterprise systems Up to 64-way scalability and hard-partitioning capability for leading consolidation Up to 64 Intel® Itanium® 2 processors Up to 1 TB memory 192 PCI-X slots (with I/O expansion) Up to 16 hard partitions chipset HP Integrity Superdome 16-socket flexible capacity and partitioning capability for scale up or consolidation HP Integrity rx8640 server with Server Expansion Unit (SEU-2) 3-socket flexibility with high-performance, density, and hard-partitioning capabilities HP Integrity rx7640 to 4-way Intel Itanium 2 processors or
 to 8-way HP mx2 dual-processor modules
Up to 128 GB memory
 6 available PCtX slots
 servers per 2m rack 4-way/8-way high-performance HP Integrity rx4640-8 server ultra-dense form factor 2-way high-performance, server for multi-purpose entry-level 1- to 2-way Intel Itanium 2 1.3Ghz/3MB, 1.6GHz/3MB. 1.6Ghz/6MB processors HP Integrity 2U form factor Up to 24 GB memory and 4 PCI-X slots 20 servers per 2m rack rx2620-2 server computing 1. to 2-way Intel Itanium 2 1.3 GHz/3MB, 1.6GHz/3MB/533MHZ FSB processors 1U (x1620-2) form factor Up to 16 GB memory and 2PCIX slots 40 servers per 2m rack HP Integrity rx1620-2 2-way ultra-dense server delivering maximum computing value 1- to 2-way Intel Itanium 2 1.6 GHz/3MB of L3 Cache Blade form factor Famwood for power and thermal efficiency Up to 8GB memory expansion HP Integrity Blade First 2-way blade to support HP-UX 11i BL60p





#### Serial-Attached SCSI (SAS) Investment protection • Small Form Factor (SFF) SAS will become the new universal drive Higher reliability • 1.7 million MTBF (vs. 1.5 million for 3.5" SCSI) Flexible configurations 1-step transition Mix and match SAS and SATA drives Increased Drive Bays Better performance Serial point-to-point connections • More spindles per platform Greater efficiency & improved thermals • Half the power consumption – 9 Watts · Smaller form factor enables better airflow





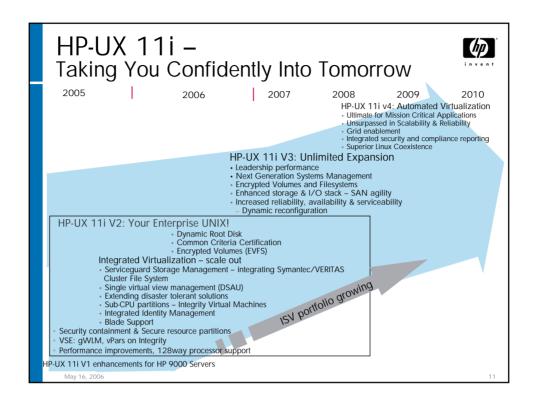
# rx4640/Montecito TPC-C Configuration

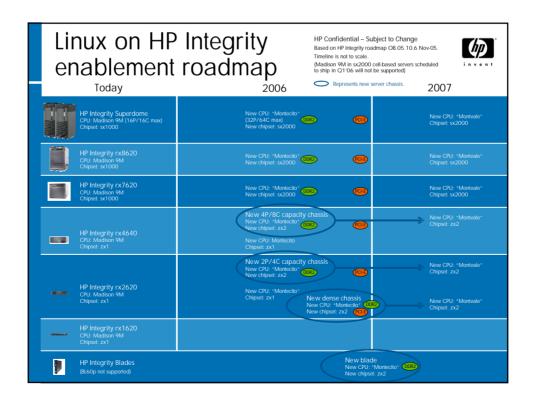


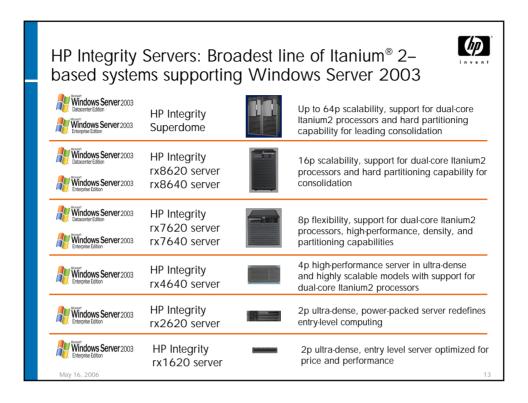
- zx1 chip set (400 MHz FSB)
- 2 Montecito 1.6GHz/24MB processors (4 Montecito cores)
- 128 GB memory
- Oracle Database 10g Enterprise Edition
- HP-UX 11i v2

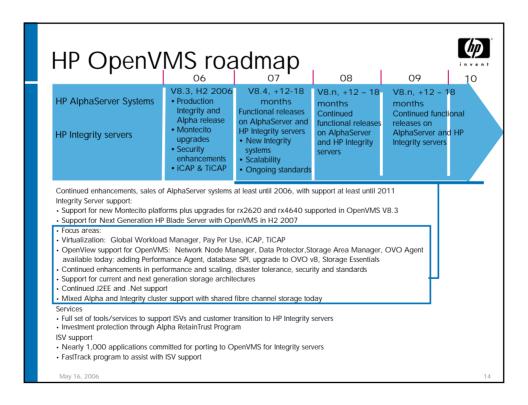
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### Where to find more information

- On the web
  - <a href="http://www.hp.com/go/hpux">http://www.hp.com/go/hpux</a>
  - http://www.hp.com/go/rx7640
  - http://www.hp.com/products1/unix/operating/filesystems.html
- Whitepapers & Books

  - http://www.docs.hp.com/en/oshpux11iv2.html#LVM%20Volume%20Manager
     LVM Limits White Paper; LVM Online Disk Replacement (LVM OLR); When Good Disks Go Bad: Dealing with Disk Failures under LVM
  - <a href="http://www.hp.com/go/hpbooks">http://www.hp.com/go/hpbooks</a> (e.g. Virtual Server Environment)
- Tools & Utilities
  - <a href="http://www.visiocafe.com">http://www.visiocafe.com</a>
  - <a href="http://www.desktop-assistance.com/hp">http://www.desktop-assistance.com/hp</a>
  - <a href="http://hpux.asknet.de">http://hpux.asknet.de</a>
  - http://software.hp.com

