

Business Critical Servers Portfolio Overview

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Powering the Adaptive Enterprise: HP Storage and Servers







HP delivers the best solution to customers' specific business/IT problems



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Intel® Itanium® Processor Family Roadmap

	2004	2005	2006	2007	Future
Lead	ling Performance				
4S+	Itanium® 2 Processor (Madison 9M) 1.6 GHz, 9M	Montecito Dual Core, 24MB Multi-threading	Montvale Dual Core, Multi-threading	Tukwila <i>Multi-cor</i> e	Poulson
Lead	ling \$/FLOPS			1 181	el s
2S	Itanium® 2 Processor (Fanwood) 1.6 GHz, 3M, DP	Millington DP, Montecito-based	DP Montvale DP, Montvale-based	Dimona DP, Tukwila-based	Future DP, Poulson-based
Low	er Power			- Care	
2S	LV Itanium® 2 Processor (LV Fanwood) 1.3 GHz, 3M, DP	LV Millington DP, Low Voltage, Montecito-based	LV Montvale DP, Low Voltage, Montvale-based	LV Dimona DP, Low Voltage, Tukwila-based	Future DP, Low Voltage,
			montrale bacca	Turwiia-Dased	Poulson-based
		New Technologies			Poulson-based

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HP Integrity servers: Meeting diverse business needs



Strengthening
 HP-¹/₁11i



Deepening value-added capabilities for Linux



Driving 64-bit Windows growth with Microsoft



Continuing the roll-out of OpenVMS



Investment protection with increased flexibility

HP Integrity server momentum continues more customers, more ISVs



https://h20299.www2.hp.com/CustomerTool

Executive Customer Briefing – (Feb 2006)



Oracle Pricing and Licensing Policy

Yahoo! My Yahoo! Mail

Financ



Press Release

Source: Oracle Corporation

Oracle(R) Rolls Out New Multi-Core Pricing and Licensing Policy

Monday December 19, 4:05 pm ET

Helps Customers Take Advantage of Advancements in Multi-Core Chip Technology

REDWOOD SHORES, Calif., Dec. 19 /PRNewswire-FirstCall/ -- As part of its continued commitment to provide customers with simple, flexible and transparent licensing models. Oracle (Nasdaq: ORCL - News) today announced an update to its multi-core processor pricing and licensing policy. The new policies improve parity among hardware vendors and help ensure that customers receive the most advantageous pricing for their Oracle technology software. regardless of the hardware on which it is deployed.

(Logo: http://www.newscom.com/cgi-bin/prnh/20020718/ORCLLOGO)

After working closely with its customers over the past several months, Oracle chose to update its pricing policies to help customers take advantage of the recent advancements in multi-core processor chips from leading vendors such as AMD, IBM, Intel and Sun Microsystems. While Oracle will continue to recognize each core as a separate processor, the processor definition has been amended as it relates to counting multi-core chips to determine the total number of processor licenses required. Now, the required processor licensing is dependent upon the specific multi-core chip on which the Oracle software is deployed.

Oracle Processor Licensing:	Processor Factor
UltraSparc T1	0.25
AMD/Intel	0.50
All other Multi-core Servers	0.75
Single Core Servers	1.00

http://biz.yahoo.com/prnews/051219/sfm063.html?.v

"...The new policies improve parity among hardware vendors and help ensure that customers receive the most advantageous pricing for their Oracle technology software, regardless of the hardware on which it is deployed..."

ColeRceso licesing	Roescor Fotor	
Utreapone TT (nativare)	025	
AND/inde (inducing/Asterite)	050	
All cher Milicare Servers (Rover / PARSC / Spanc)	075	
SingleCaeSaver	1.00	



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Investment protection with the sx2000 chipset





HP rp2470 server

2-Way Customer Briefing – (Feb 2006)

HP extends the HP Integrity family with the blade servers

- HP Integrity Investment Protection, Reliability, Security, and Flexibility
- Enterprise & Industry Standard Operating Environments
- Common HP Integrity and HP Proliant manageability for BL60p
- Mission Critical Technologies across Integrity rack mount servers
 - HP-UX, Windows, & Linux fail-over support
 - HP Virtual Server Environment





Clustering Support
Windows Server 2003
Windows Server 2003
KA640 4U, 4-way





Evolution: HP 9000 server new PA-8900 processors





PA-8900 processors complete the PA-RISC roadmap with enhanced performance and scalability for HP 9000 servers

Investment protection for customers as they move to standards

HP 9000 Proposed PA-RISC EOL Server Roadmap





Easing the transition to Integrity Superdomes: Mixing and matching processors





Executive Customer Briefing - (Feb 2006)





HP AlphaServer evolution... sales at least until 2006, with support at least until 2011



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Customer evolution programs: Ensuring a smooth path forward



Results

- 98% customer retention within the Top 600 named AlphaServer accounts
- Tru64 UNIX customers shifting to HP 9000 and Integrity



Leadership programs

- e3000
- Alpha RetainTrust
- HP 9000

Continually refreshed transition tools and services

- Complementary planning and deployment tools (Transition Planning Modules, Best Practices white papers, ISV Roadmap Advisory Tool, porting guides, interoperability tools)
- Software Transition Kits to HP-UX 11i from
 - Tru64 UNIX
 - HP-UX PA-RISC based servers
 - Sun Solaris
- Web-based and classroom training
- "For fee" design and implementation services based on best practices



evolve at your pace HP has programs and solutions to support



Business value

- Compelling business reason
- No transition for the sake of technology
- Minimize transition costs
- Why HP?

Risk mitigation

- Application availability
- No unplanned downtime
- Minimize impact to existing staff
- New environment superset of old
- Deliver roadmaps

Business Systems Evolution Programs					
	Business Systems Evolution Business systems evolution				
Business systems evolution	Maximizing your IT potential				
Site information »What's new »Newsletters »Send us your comments	HP and our world-class partners have a clear vision of the future that we can leverage for your enterprise. Our industry-leading experience in all stages of evolution provides you with a unique set of resources and programs that can bring immediate improvements in efficiency and return on your assets, as well as enable your <u>adaptive enterprise</u> for the future. Wherever your systems are today, we can help you prepare for where they need to be tomorrow.				
Evolution programs » HP 9000 programs » HP AlphaServer systems » HP e3000 servers » HP NonStop servers	What's new » HP NonStop is a Credible Replacement to IBM's TPF » Announcing new AlphaServer systems and releases of OpenVMS and Tru64 UNIX » IDC's Cost of Change Framework - white paper (PDF) » HP 9000 offerings » HP Alpha RetainTrust program				

Learn more about Wheth »Linux® today »Microsoft® today

Whether you are upgrading to HP-UX 11i or planning to evolve to today's HP Integrity servers, HP's

This innovative program eases the evolution of moving from the Alpha platform to HP Integrity servers by

Visit . . . http://www.hp.com/go/evolution

You continue to view us as your trusted IT advisor throughout the multi-year transition period



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HP Integrity NonStop servers



- Intel[®] Itanium[®] 2 processor 1.5 GHz with 4 MB cache
- 4–16 GB memory per processor
- Fibre Channel disk storage
- Gigabit Ethernet connectivity
- Modular packaging in 19" cabinets
- Investment protection with support for connecting to S-series disk and I/O
- Five nines of availability (99.999%)



Delivering significantly higher performance over previous HP NonStop offerings



2 HP S88000 processors
2.7 HP S78000 processors
2.6 HP S86000 processors
3.0 HP S76000 processors
4.4 HP S74000 processors





Customers benefit from increased HP investment in value-add innovation



HP server value proposition

Each family offers leading value in its class

ProLiant

HP ProLiant offers the best choice for building a scale-out foundation for the adaptive enterprise

Best platform for mainstream 32-bit and emerging 64-bit x86 versatility

> 1-4p/1-8c Windows, Linux

Integrity

Trust HP Integrity servers for your most demanding workloads

Best platform for RISC replacement, and 64bit Windows and Linux

> 1-64p/1-128c HP-UX, Windows, Linux, OpenVMS

Integrity NonStop

When user service levels are paramount trust Integrity NonStop for your most critical business applications

Best platform for 24/7 computing with fail-safe data integrity and linear scalability

> 2-4080p NonStop OS

Consistent Manageability, Services and Storage capabilities across the portfolio

IT imperatives drive requirements for HP Integrity systems





Bring our high value projects up and online quicker



Better return on IT with HP Integrity systems

Consolidate and simplify to free up resources



Meet the high service level expectations of our customers

