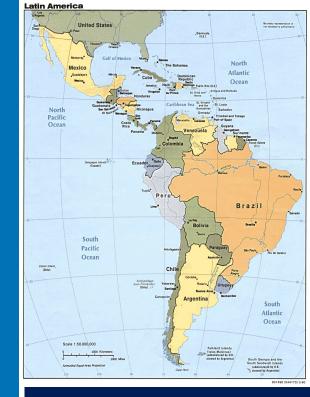


Business Critical Servers Portfolio Overview

Cupertino, CA February 7th, 2006

Gabriella Guazzo

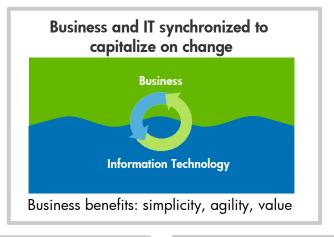
BCS Product Marketing Latin America

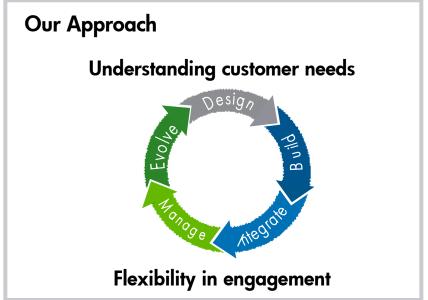




Powering the Adaptive Enterprise: HP Storage and Servers









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















Multi-OS









Intel® Itanium® Processor Family Roadmap

2005

2006

2007

Future

Leading Performance

4S+

Itanium® 2 Processor (Madison 9M) 1.6 GHz, 9M

2004

Montecito

Dual Core, 24MB Multi-threading **Montvale**

Dual Core. Multi-threading Tukwila

Multi-core

Poulson

Leading \$/FLOPS

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

Lower Power

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, Poulson-based

New Technologies

- Multi-core
- Multi-threading
- Dynamic performance boost (Foxton)
- Dynamic power management (DBS)
- Cache reliability (Pellston)
- Virtualization (Vanderpool)

- Multi-core enhancements
- Enhanced RAS
- Enhanced virtualization
- Enhanced I/O & memory
- Common system architecture w/ Intel® Xeon™

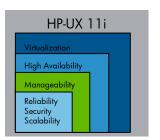


All products, dates, comparisons, and information are preliminary and subject to change without notice.

HP Integrity servers: Meeting diverse business needs



StrengtheningHP-WX11i



Deepening value-added capabilities for Linux





Driving 64-bit Windows growth with Microsoft





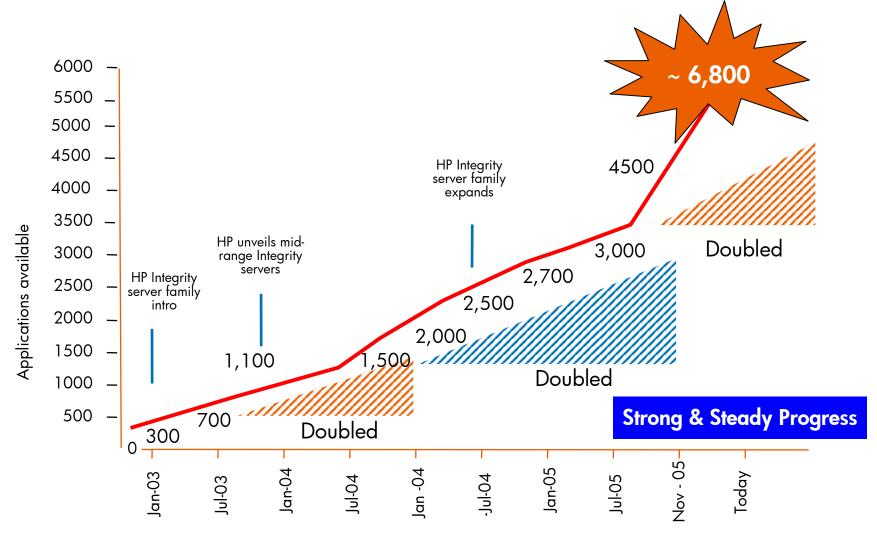


Continuing the roll-out of OpenVMS



Investment protection with increased flexibility

HP Integrity server momentum continues more customers, more ISVs



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



Oracle Pricing and Licensing Policy



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



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

"...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..."

OdeRossoliesig	Rossor Fostor
UhcapancΠ(ndhicane)	025
AND/Inde (inductor) Notesito)	050
All other Notificane Serves (Pover/PARSC/Spoord)	075
Single Cae Server	1.00

Integrity

rx4640

Integrity

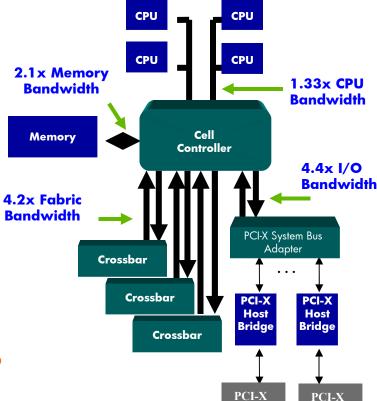
rx2620

rx1620





New sx2000 chipset



Application (mid-range)





Under NDA until March 20th, 2006

Integrity

rx7620

Database (High-End)











Multi-OS

Investment protection with the sx2000 chipset



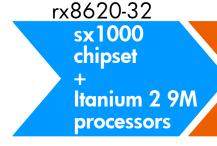


Superdome

sx 1000 chipset + Itanium 2 9M processors

sx2000 chipset + Itanium 2 9M processors sx2000 chipset + Itanium 2 "Montecito" processors

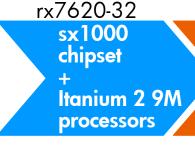












rx7640	
sx2000	
chipset	
+ 1	
Itanium 2 9M	
processors	

rx7640
sx2000
chipset
+ Itanium 2
"Montecito"
processors

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**

1U, 2-way

Clustering Support













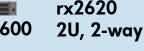
rx8620 17U, 16-way

Superdome 64-way*









rx4640

4U, 4-way



Access (low-end)







Application (mid-range)







Database (high-end)







HP 9000 Superdome

Multi-OS



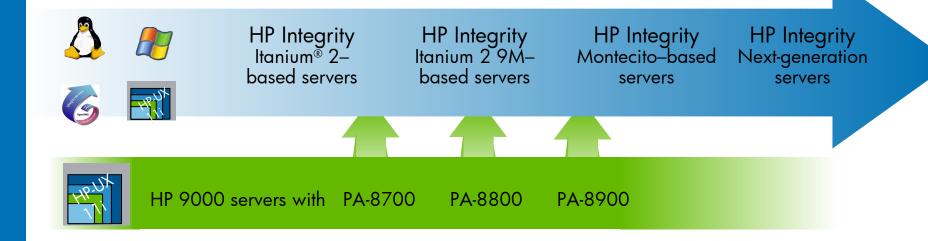






Evolution: HP 9000 server new PA-8900 processors



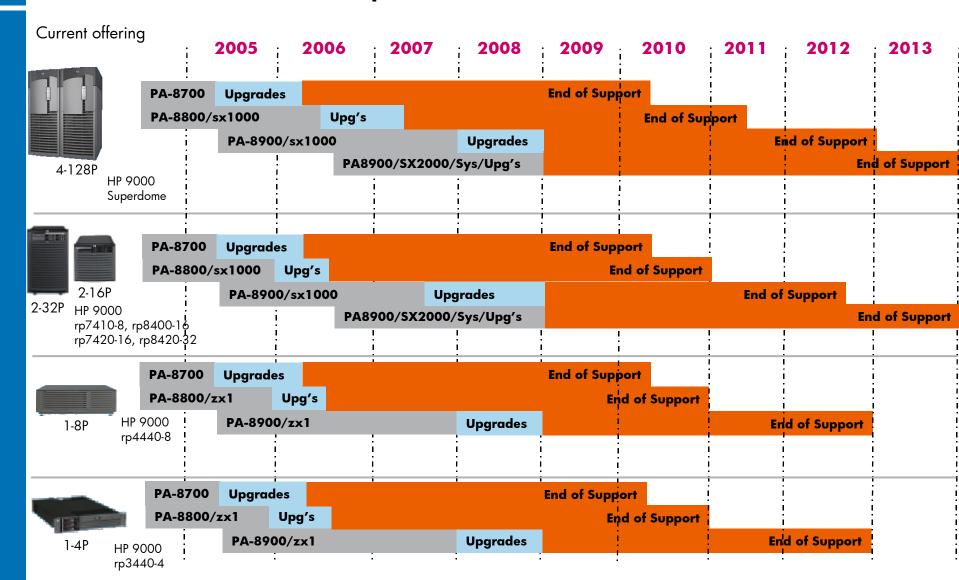


PA-8900 processors complete the PA-RISC roadmap with enhanced performance and scalability for HP 9000 servers

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





PA-8800 or PA-8900 running HP-UX 11i Itanium running HP-UX 11i, OpenVMS, Linux or Windows

"I want to test out Integrity servers in my environment before I migrate over."





Itanium 2 6M CPU Itanium 2 9M CPU mx2 dual processor module PA-8800 PA-8900 Mad/9M & "Montecito"

Addressing the customer need (1 full cell board swap)



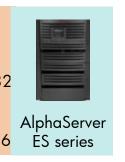




















Multi-OS







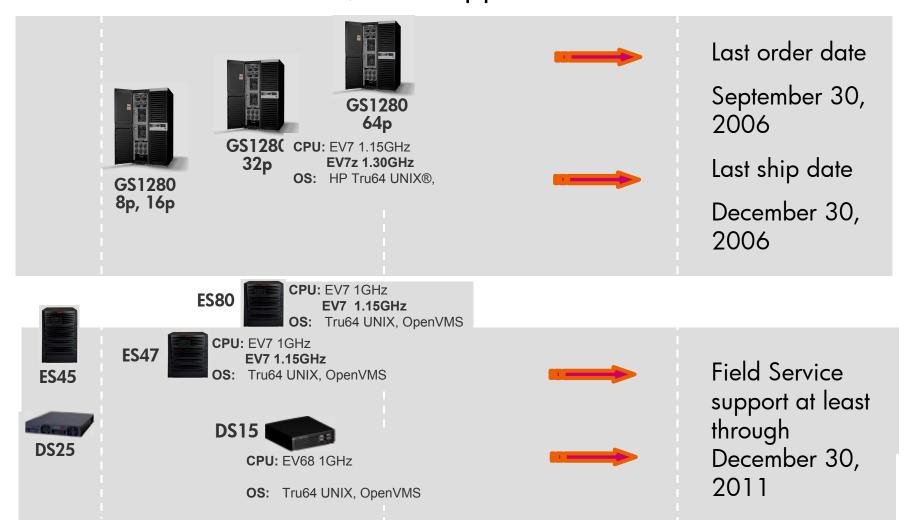


Tru64

HP AlphaServer evolution...



sales at least until 2006, with support at least until 2011



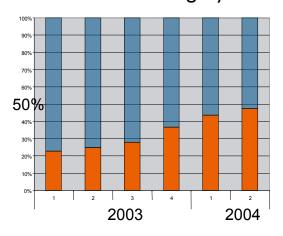
Subject to change without notice

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

» HP NonStop Is a Credible Replacement to IBM's TPF

HP and our world-class partners have a clear vision of the future that we can



» Business systems Maximizing your IT potential evolution

Site information

»What's new
»Newsletters
»Send us your
comments

Newsletters
»Cend us your
comments

Newsletters
»Cend us your
comments

Newsletters
»Cend us your
comments

Newsletters

Evolution programs What's n

- »HP 9000 programs »HP AlphaServer systems »HP e3000 servers
- systems
 »HP e3000 servers
 »HP NonStop
 servers
- Learn more about

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

» Announcing new AlphaServer systems and releases of OpenVMS and Tru64 UNIX » IDC's Cost of Change Framework - white paper (PDF)

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

















ES series



Database (high-end)



ProLiant DL 700 series



Integrity Superdome



HP 9000 AlphaServer Superdome GS series





Multi-OS









NonStop OS

Tru64



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

1 HP Integrity NonStop



HP S88000 processors
HP S78000 processors
HP S86000 processors
HP S76000 processors
HP S74000 processors



StorageWorks

OVSAM

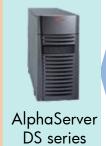
XP Family

Access (low-end)



















ES series





ILM Portfolio

Database (high-end)



ProLiant DL 700 series



Integrity Superdome



HP 9000 Superdome GS series



AlphaServer



\$76000/\$86000



Multi-OS









NonStop

Tru64

HP's standards-based server strategy

Moving to 3 product lines

architectures

based on 2 industry-standard



Past

HP NonStop Mips

HP Integrity

HP 9000 / e3000 PA-RISC

HP AlphaServer _{Alpha}

HP ProLiant

Today

standards-based

HP NonStop

HP Integrity

Itanium-based

HP ProLiant x86-based

Focused innovation

- Management
- Virtualization
- HA
- Storage
- Clustering

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 64-bit 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

