

# HP Integrity Momentum

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# Agenda - HP Integrity Servers

- Better RoIT (Return on IT) with HP Integrity systems
- Strategy
  - HP's Server Strategy
  - HP Integrity Servers Investment Strategy
    -build value on top of standards based processors-
- ISV wave of momentum for HP Integrity (portability)
  - Multi-OS capabilities
- Growth of New Architectures from Year 1\*
- Investment
  - ISA Commitment
  - Validated HP investment protection
- HP Integrity Price/Performance  $\rightarrow$  Best TCO

# 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

June 21, 2006

# IT imperatives drive requirements for HP Integrity systems



#### Flexible Capacity

- The capacity to meet the workloads on demand with the ability to be flexible about that, through virtualization, the movement of resources around, and inbox upgrades.
- Making the capacity of our Systems flexible, and therefore the capacity of our Data Centers flexible.

#### Secured Availability

- Availability built in from the ground up, from systems to operating systems, to integration with applications.
- The availability, the stability and the security of the IT environment should improve as a result of this capability.

#### Simplified Management

- Making the management job simpler, it should be easier to maintain the systems that we deploy,
- take fewer people to maintain those stable systems and,
- be easier to setup and operate a virtualized environment.

# HP is investing in SIM (Systems Insight Manager), OpenView, and VSE (Virtual Server Environment) contributing to a better ROI.



World class experience: collaborative approach to design and deliver an integrated IT environment

### HP Integrity Investment Strategy build value on top of standards based processor





# ISV wave of momentum for HP Integrity







# HP Integrity can run UNIX, Linux, Windows plus openVMS natively and concurrently on the same server



# Growth of New Architectures from Year 1\*



June 21, 2006

# ITANIUM<sup>®</sup> SOLUTIONS A L L L A A N C E









# Validated HP investment protection



#### HP Integrity Oracle Advantage Montecito gets the Oracle Intel/AMD dual core price



#### p5 570 TPC-C Executive Summary rx4640 TPC-C Executive Summory 2 chips/4 cores 2 chips/4 cores 203,440 tpmC 200,829 tpmC 30% better \$3.93 tpmC \$2.75 tpmCprice/perf Avail 10/17/05

#### total system cost- \$799,990

IBM	IBM eServer p5 570 Model 9117-570			TPC-C Rev. 5.4				
ORACLE				Repor	Report Date: October 17, 2005			
1740-710 24x7x4 WSU		6942-25B	1	760	26		19,760	
1742-90U 24x7x4 WSU		6942-25B	1	1,087	3		3,261	
				Sul	ototal	749,439	23,021	
Server Software								
AIX 5.3 (media only)		5962-A5L	1	50	1	50		
AIX Software		5765-AIX	1	1,225	4	4,900		
AIX Software Maintenance (3Y)	AIX Software Maintenance (3Y)		1	1,958	4		7,832	
AIX Software Maintenance 24x7 Upgra	AIX Software Maintenance 24x7 Upgrade (3Y)		1	496	4		1,984	
HMC Software Support 3 Yr. Support p	HMC Software Support 3 Yr. Support per Processor 0569		1	675	1		675	
HMC Software Support 24x7x4 / 3 Yea	HMC Software Support 24x7x4 / 3 Year		1	236	1		236	
C for AIX user Lic+SW maint 12 MO	C for AIX user Lic+SW maint 12 MO		1	515	1	515		
C for AIX user annual SW maint renew	C for AIX user annual SW maint renewal		1	103	2		206	
Oracle Database 10g Enterprise Edition	n, Per Processor for 3 years		2	20,000	(3‡)	60,000		
Oracle Database Server Support Pack	ige for 3 years		2	6,000	Ý		6,000	
Oracle E-Business Discount (license &	support)		2		1	-6,600		
	/· · · · ·	. /IDA /I		Sul	ototal	58,865	16,933	

http://www.tpc.org/results/individual\_results/IBM/IBM\_570\_4\_200510\_es.pdf



$$=.75 \times 4 \text{ cores} = 3 \times \$20,000$$

= \$60,000 (list)

#### Avail 9/1/06

#### total system cost- \$551,406

	P Integrity rx4640				TPC-C Rev 5.6 Report Date: March 21, 2006				
Invent HP									
Description	Part Number	Brand		US List Price	Qty	Price	3Year Main Pri		<b>F</b> #
Jest ipiton	I MITTUMENT	Draud			20				
Server Hardware									
HP Integrity rx4640 Base System	AB370B		1	6,800		1	6,800		
1.6GHz/24MB dual-core processors	AD268A		1	14,663		2	29,325		
32-DIMM memory carrier board	A9739B		1	4,450		1	4,450		
73GB/15krpm hard disk drive	AB421A		1	688		1	688		
DVD-ROM slimline drive	A7163B		1	150		1	150		
16GB memory quad (4x4GB DIMMS)	AB475A		1	27,300		8	218,400		
3 Year Svc & Support Price (Hardware and Software)	HA110A3-6KT			10			- 650		\$8.75
PCI 1000 Base T Dual Port LAN Adapter Card	A7012A		1	1,800		1	1,800		
PCI 2GB Fibre Channel Adapter (dual port)	A6826A		1	4,395		2	8,790		
HP Server Thin Client (monitor, keyboard/mouse, cable i	AB300B		1	1,250		1	1,250		
Rack Model 5642	358254-B21		1	689		1	689		
				Subtotal			272,342		8,7
Server Software						1.1.1			
Oracle Database 10g Enterprise Edition, Per Processor	Runtime				. 1		00320433		
Unlimited Users, 3 years		Oracle	2	20,000		2	40,000		
Oracle Database Server Support Package		Oracle	2	2,000		3	1000403		6,00
HP-UX 11i Foundation Operating Environment	BA503AC		1	995		4	3,980		
HPUX Factory Integrated	B9106AA, Opt 0D1		1	199		1	199		
http://www.tpc.org/results				Subtotal			44,179		6,00

http://www.tpc.org/results/individual\_results/HP/hp\_tpcc\_rx4640\_es.pdf

Itanium Oracle List Pricing **0.5** x Cores  $=.5 \times 4 \text{ cores} = 2 \times \$20,000$ 

► =\$40,000 (list)

www.tpc.org as of 3/21/06 June 21, 2006



# Year of Integrity

### Commitments:

 HP and Intel are fully committed to the success of HP Integrity Servers based on the Intel Itanium Architecture, with the support of ORACLE.

### • Trends:

- In Q4 FY05 the Integrity Server revenue grew 90% YoY, compared with 4% of IBM P Series.
- -In Q1 FY06 revenue grew 94% YoY

### Business Continuity Strengths:

- More than a half of the Fortune 100 companies are running mission-critical applications on HP Integrity Servers
- The largest ORACLE/PeopleSoft implementations are running on Integrity Servers.