HP e3000 Solutions Symposium

agenda

- hp's intel server strategy
- current products overview
- future products roadmap

Stephan Jackson
WW Product Manager

hp servers
building blocks for an always-on infrastructure

6 server families

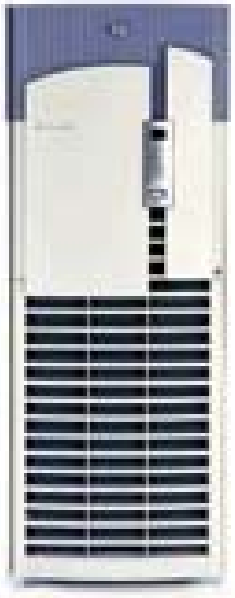
blade servers

tower

rack-optimized

server appliances

carrier-grade servers



super scalable

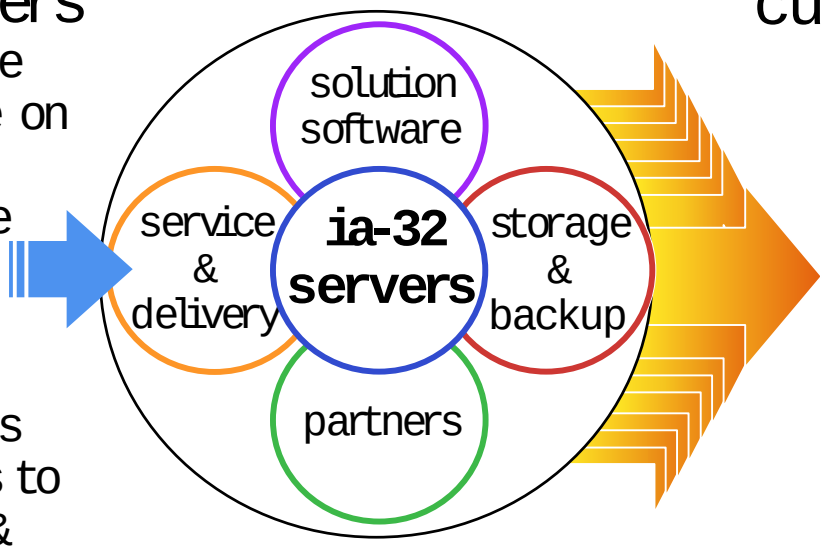
intel server strategy

- introduce new servers timed with intel processor releases
- lead the industry transition from ia32 and RISC to the itanium processor family
- provide industry leading integrated management, high availability and security
- deliver the complete server ecosystem through partnerships including vertical solutions
- make servers easy to buy, deploy and maintain - locally or globally

server eco-system

business drivers

- response to change
- increasing reliance on IT
- maximum resource utilization and minimum TCO
- superior value
- limited IT resources
- fast & easy access to products, service & support



customer benefits

- adapt easily
- maximum uptime
- manage seamlessly for operational efficiency
- keep your business running at the right price
- easy to own
- expertise when and where needed

new & continuing **hp** ia-32 server portfolio	tower and rackable	rack-optimized models	**complementary storage offerings**
enterprise and xSP	tc7100	rc7100	lxr 8500
mid-market	tc4100, tc6100	lp 2000r, lp 1000r	
small business	tc2100, tc2110, tc3100		

XP48/512

VA7100/7400

new

surestore disk system 2300

surestore disk system 2100

surestore DAT24 & DAT40

HP Confidential until March 12, 2002

hp server lp1000r

powerful, high density, ultra thin 1U server that is easy to deploy and manage

42 servers,
84 Pentium III,
in one rack!

est. US street price:	$2000
availability:	now

High density to save rack space

- 1U (1.75") in height
- Up to 42 servers (84 Pentium III processors) in a 2-meter rack
- 2-way Pentium III with 512kb cache
- 133 MHz front side bus
- Up to 4GB ECC SDRAM memory (4 slots)
- Up to 3 internal hot-swap hard drives

Easy to deploy in volume

- Come with rails installed
- Telco kits (brackets) for telco racks installation included at no extra cost
- Tool-free chassis design allows the servers to be readied quickly for racking

Manage from remote locations

- Able to power cycle and gracefully shut down the server (or NOS first) over the LAN
- Come standard with Integrated Remote Assistant for basic remote management

Easy to service for any hardware upgrades

- Tool-free design allows quick access to major components in the servers

hp server tc6100

high-performance departmental server you can rely on today and grow with

est. US street price:	$3959
availability:	may

outstanding investment protection:

- easy inbox upgrade to 4-way tc7100
- 8 DIMM slots for up to 8GB memory
- 7 open I/O slots
- 8 hot-swap HDD bays + 2 common tray bays in 5u chassis

enterprise class uptime:

- hot-swap hard drives and PCI-X slots
- hot-swap redundant power supplies and fans
- hot spare memory with 'chipkill' support

superior performance:

- up to 2 Xeon processors (1.8 – 2.2GHz) with HyperThreading
- 400MHz front side bus
- DDR memory
- PCI-X expansion slots

comprehensive manageability:

- hp toptools manageability
- integrated hp remote management card (at no extra cost)
- integrated visual diagnostics panel

hp server rc7100

unparalleled performance in a rack-optimized enterprise server

est. US street price:	$8459
availability:	may

superior compute density for processing-intensive applications

- 4-way Xeon MP in 3U: faster clock speed (1.4 – 1.6GHz), new L3 cache (512kb/1Mb) with new HyperThreading technology
- 400MHz Front Side Bus
- Double Data Rate (DDR) memory
- 100 MHz PCI-x I/O

outstanding expandability and scalability

- 8 DIMM slots: up to 8GB memory
- 6 open I/O slots
- 5 HDD bays in 3U form factor

outstanding uptime to keep you up and running

- hot-swap components: power supplies, hard drives, fans and PCI slots
- 1+1 redundant power supplies, redundant fans
- hot spare memory, 'chipkill' support
- integrated, 2-channel hp disk array controller with 64MB cache

robust manageability to enable control

- integrated hp remote management card (at no extra cost)
- visual diagnostics panel for proactive prefailure notification of key components

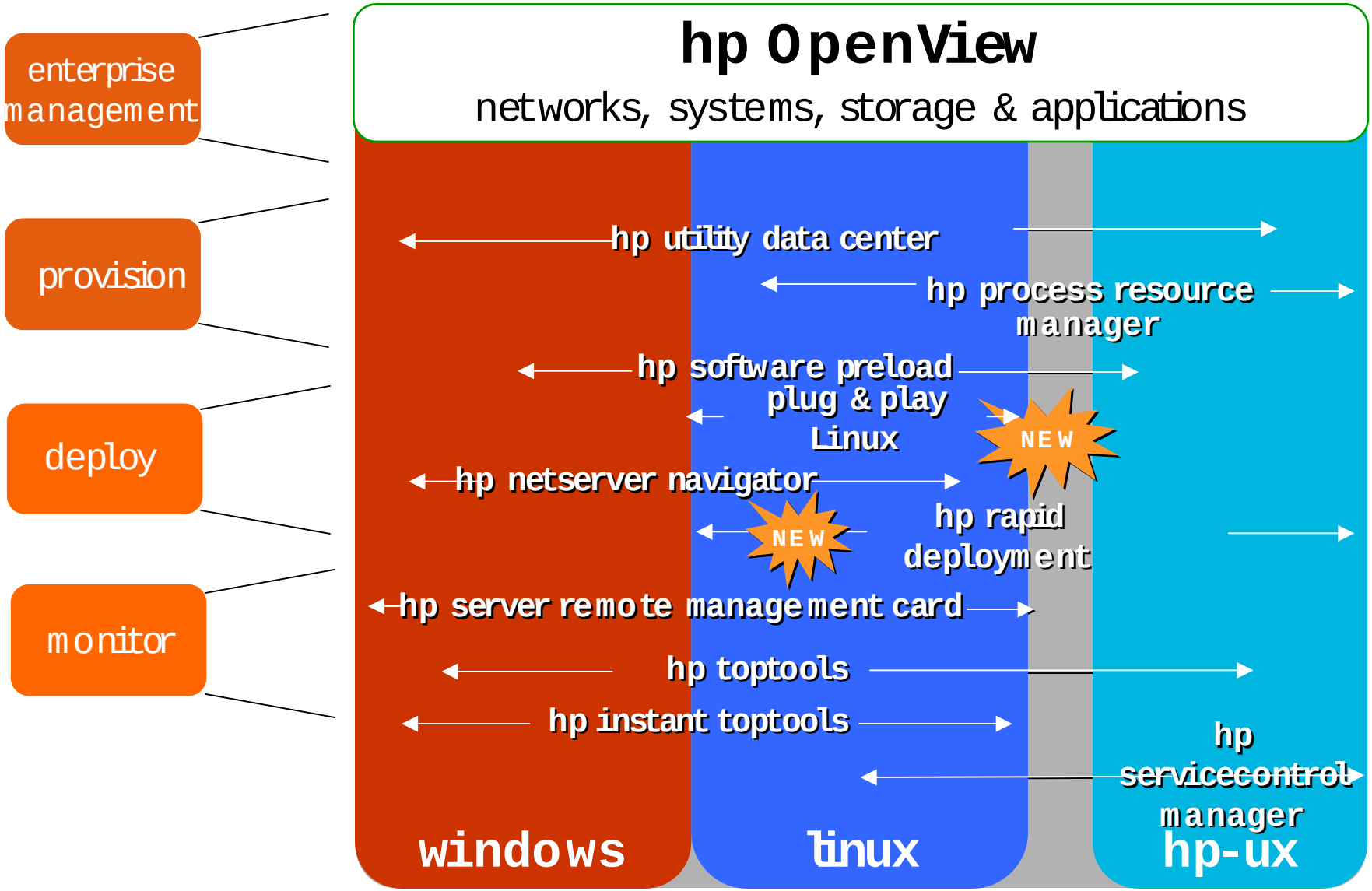
manage seamlessly

"We constantly strive to reduce risk of disruption by eliminating problems that are predictable and minimizing the impact of those that aren't. HP has the range of resources and expertise we need to do this."

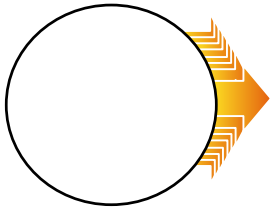
Norman Newlands, IT project manager, Bausch and Lomb

- comprehensive range of server management solutions
  - provisioning
  - deployment
  - monitoring
- only vendor with tightly integrated multi-O/S server management strategy
- complete infrastructure and service management solutions with HP OpenView

solution software: manage seamlessly



hp ia-32 server partnerships



O/S partners

Microsoft
CALDERA SCO
debian
redhat
SuSE
turbolinux
YES TESTED & APPROVED Novell

management

ca smart
netiq
bmcsoftware
Tivoli
turbolinux

high availability

Microsoft Windows
ORACLE 9i RAC
YES TESTED & APPROVED Novell
EMC
NSI SOFTWARE

open source preload

APACHE
samba open
LINUX firewall
DNS BIND
sendmail.org
Squid
SQUID.ORG
OpenSSH
Webmin

ISVs

top tiers alliances

WINDOWS

Microsoft Exchange 2000 Server
AVAYA
Microsoft Mobile Information Server
Microsoft SQL Server 2000
Microsoft Great Plains Business Solutions
Microsoft SharePoint Technologies
SAP
ORACLE
CITRIX
atg
Hey Anita
documentum
OceanLake
eXegeSys Inc.
CMC Software
FRI Technologies
IRONSIDE
SPEEDWARE
GENESYS
ARIBA
VIGNETTE

LINUX

inktomi
real
SYNOPSYS
TIBCO
sidefx

solution center

intel
APC Legendary Reliability
MITEL NETWORKS
Agilent Technologies
Getronics
Completel
SOLSOFT
Cisco Systems
MandrakeSoft
MARATHON
NOKIA Connecting People
Microsoft
RSA SECURITY

flexibility to build the right solution for your business

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hp
invent