

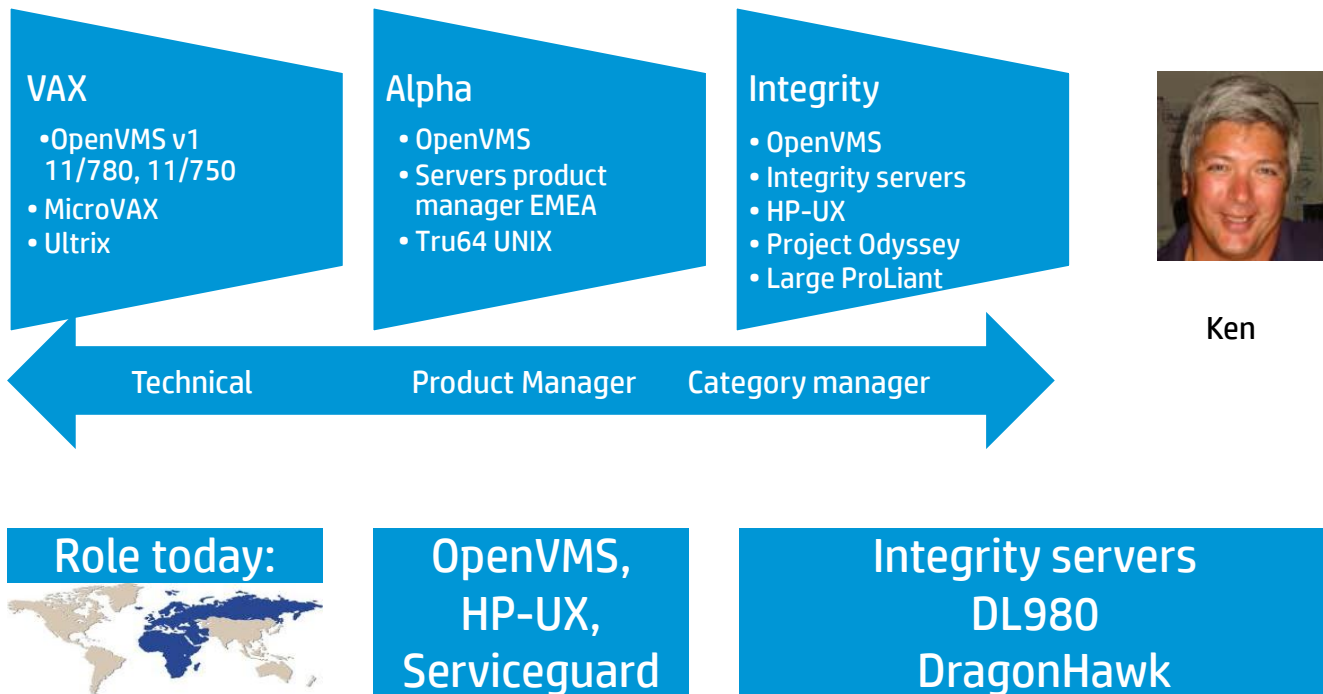


OpenVMS roadmap update and more



Ken Surplice, Category Manager, HP Servers EMEA

Introduction



Objectives for today

Understand the market

Rapid change

- Goodbye stability
- Hello change
- Where we (you) are headed

OpenVMS plans

The facts

- Trends
- Dates
- Development
- Help

What next

Where do we go?

- The next 11 years of OpenVMS
- What else is on the horizon?



**CHANGE
AHEAD**



Change in RISC/Itanium market (Integrity, Power, SPARC)

Mission-critical computing

What is on customers' minds?

- Customer trends

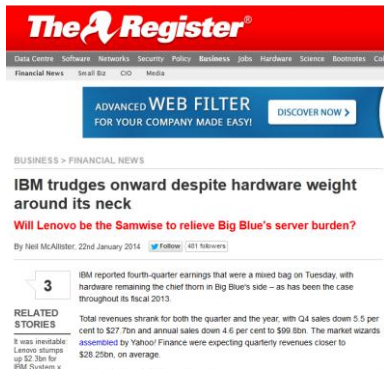
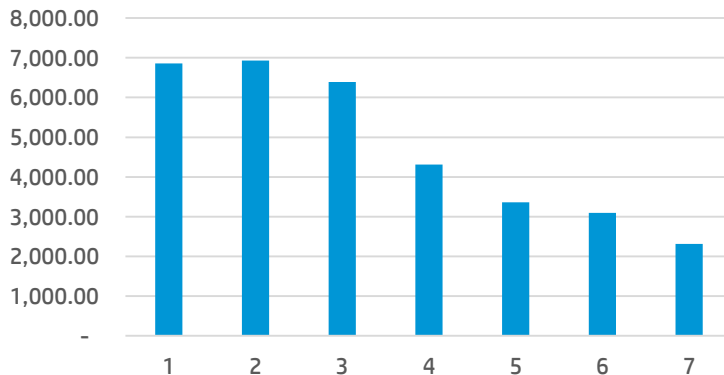
NonStop growth

I'm moving to x86

I want to stay on UNIX

I'm refreshing my OpenVMS

EMEA traditional mission critical market, \$M



During a conference call with financial analysts on Tuesday, IBM CFO Martin Schroeter pointed to Big Blue's storage business, its System x line, and its **Power servers** as particular problem areas for the hardware group. Revenues for those three categories were **down 13 per cent, 16 per cent, and 31 per cent from the year-ago quarter**, respectively.



Why we are here

Not business as usual

HP Enterprise Group in mid 2012

- **Networking ▲**
- **Storage ▼**
- **Servers ▼**

Rethink 2H2012-1H2013

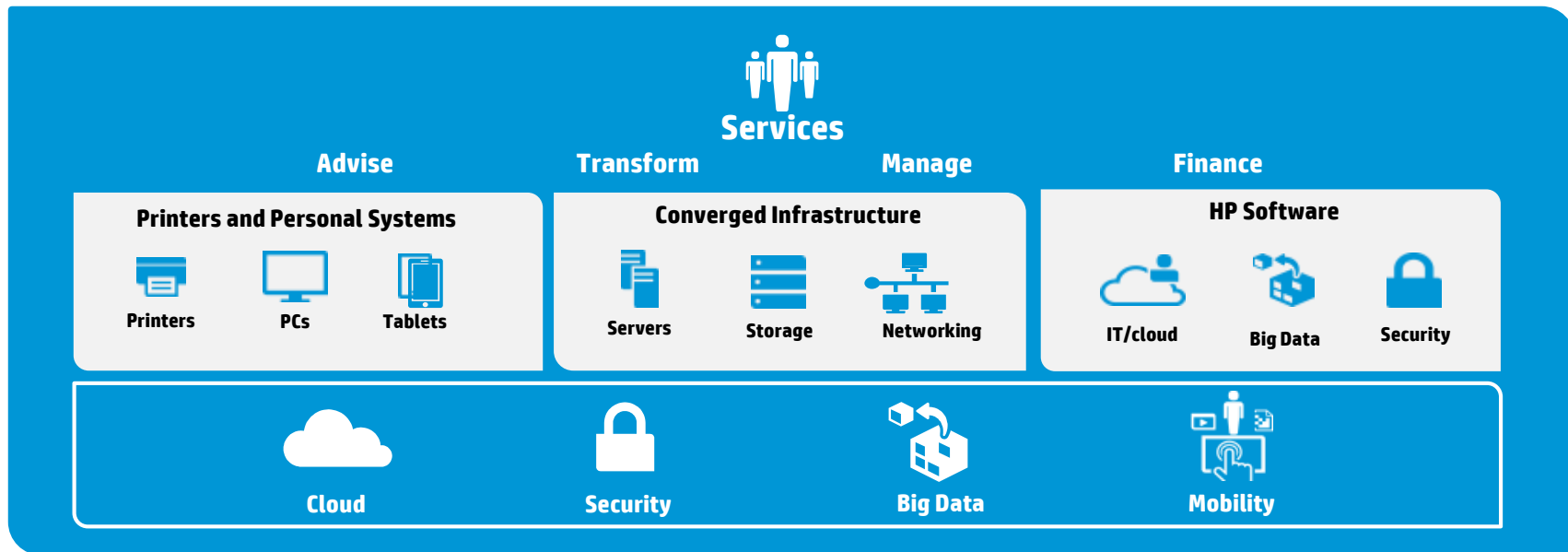
- **Roadmaps frozen**
- **Strategy reworked**

Mid 2013

- **Where to invest**
- **Where not to invest**
- **New plans, impacting OpenVMS**



HP adapts to change: Solutions for the New Style of IT



Wait! Change? Not for me....

Until now our products have not changed much

The market evolves with growth in compute power, number of devices, data.

80% of servers sold are on 2-sockets/ 16 cores, 16 DIMMs giving 128GB, 8 cores/ socket.

This will go up to 2s-64c by 2019, with 16 DIMMs driving 2-4TB.

IOPs will go from 150 to 700,000. PCI 3 includes optolink to run PCIe over photonics. LOMs to go from 10Gb to 100Gb, maybe more.

With this capacity, there is no room for single points of failure. We have to harden all O/S and all servers.



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OpenVMS plans

**June
2013**

- Freezing of OpenVMS. No Integrity i4 support.
- Sales to end 2015. Support to end 2020

Since June

- Meet customers
- Understand need for extended support and supply
- Investigate transition options
- Build customer assistance team
- Run Transition Discovery Seminar
- More customer engagement



Why an end date for OpenVMS?

Not sustainable in long term, despite use of common components and low cost labs

Rapidly changing market

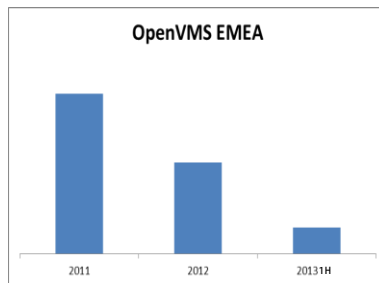
- Customers moving to cloud, big data, mobile
- Software development is on x86
- x86 popularity increasing
- Latest x86[†] processors becoming mission-critical

Traditional mission-critical declines

- 66% down in six years
- 30% decline last year alone

OpenVMS also declines

- Smaller than UNIX business



Customers not moving

- Most on Alpha
- Relatively few using Integrity i2.

Result

- Future OpenVMS development difficult to sustain
- The most loyal OpenVMS customers are most impacted



OpenVMS updated plans

**June
2013**

- Freezing of OpenVMS. No Integrity i4 support
- Sales to end 2015. Support to end 2020

**December
2013**

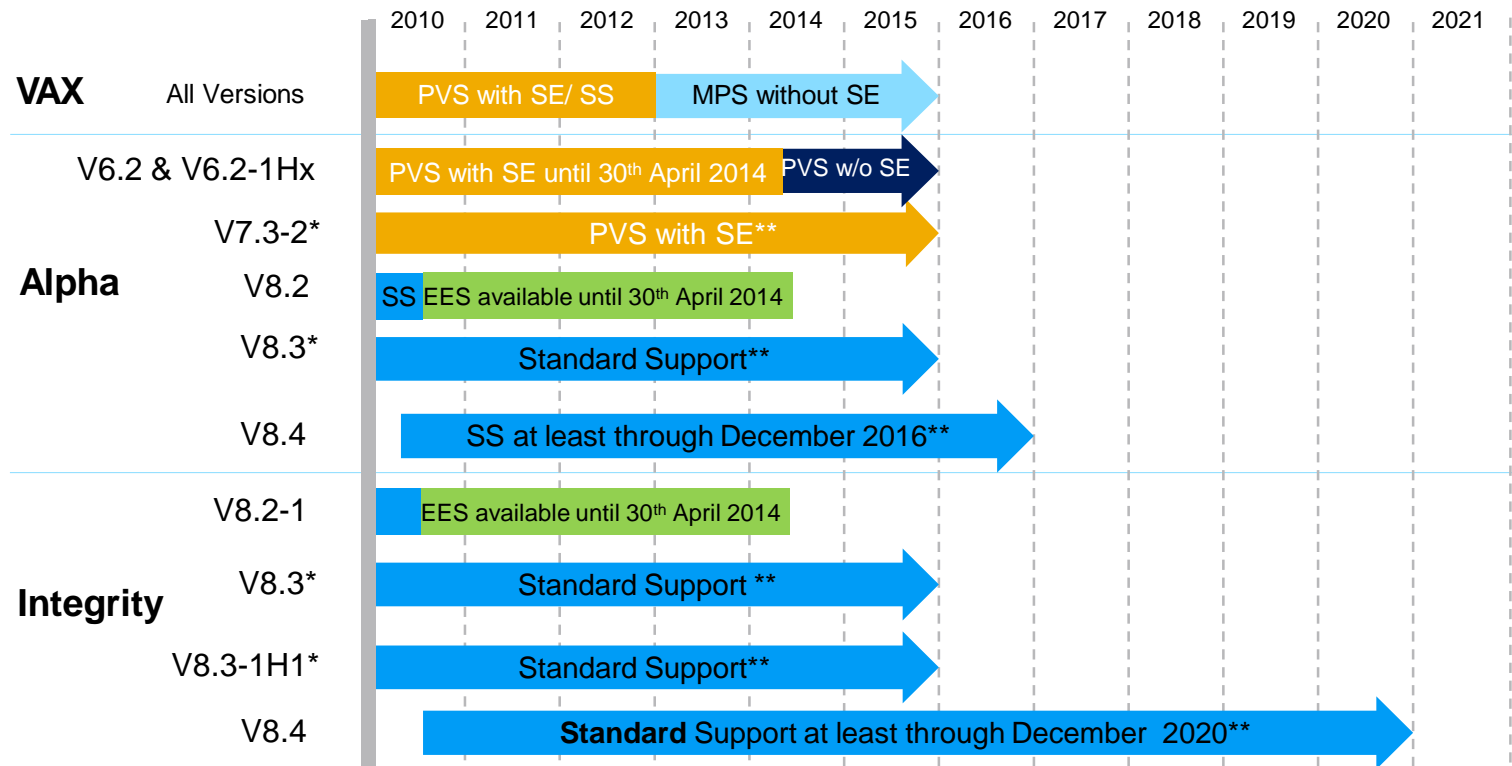
- Support extended (Integrity and Alpha)
- Supply extended case-by-case, after 2015

**January
2014**

- HP VM v4.3 support under investigation
- Other investigations



HP OpenVMS Service Support Roadmap **June 2013**

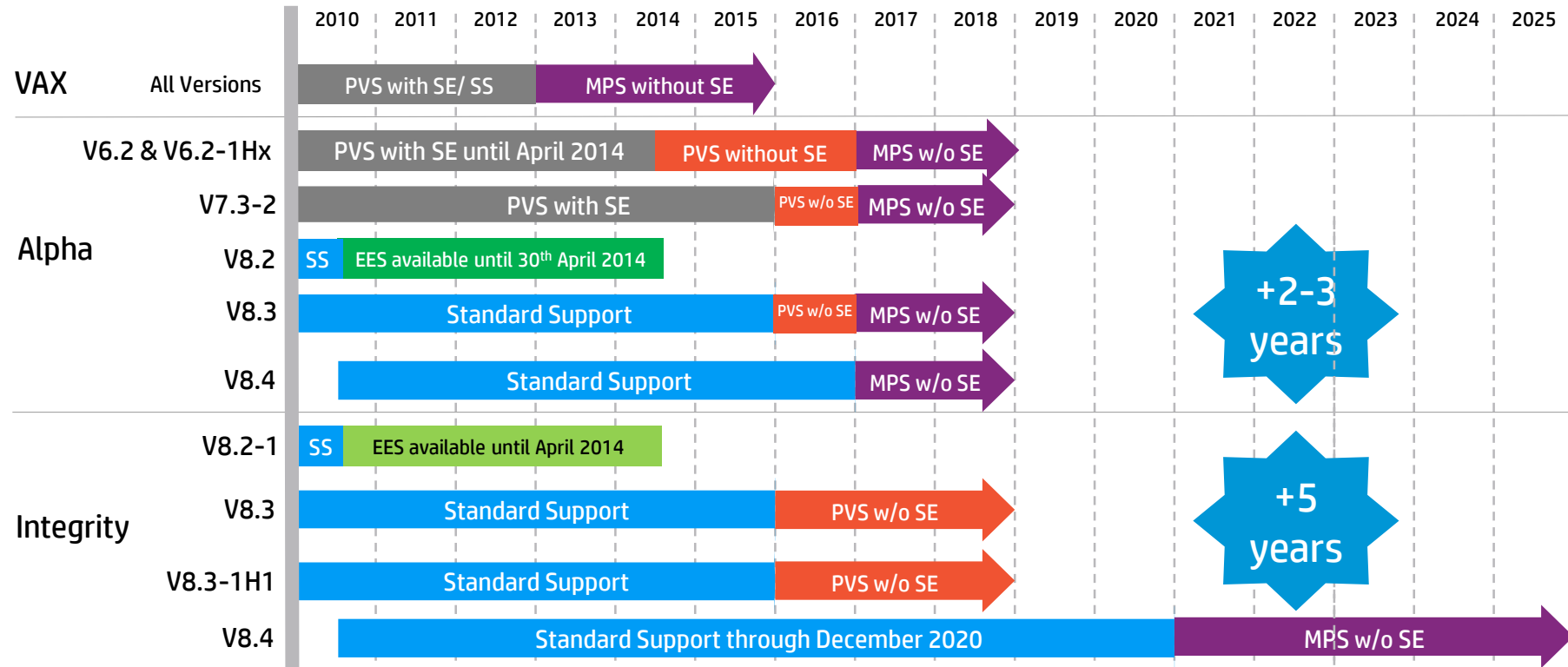


- * Prior Version Support (PVS) or Standard Support will be provided on these versions at least through December 2015.
- ** w/24 months prior expiration notice: A 24-month notification will be provided before support is ended.
- Standard Support ends when the 2nd subsequent release ships. HP supports the current version and one back.
- Extended Engineering Support (EES) will be available at additional cost.

EES	Extended Engineering Support
MPS	Mature Product Support
PVS	Prior Version Support
SE	Sustaining Engineering
SS	Standard Support



HP OpenVMS Service Support Roadmap **January 2014**



**+2-3
years**

**+5
years**

- MPS w/o SE would be available for at least 2 years
- A 24-month notification will be provided before support is ended
- For details on the PVS and MPAS offers, click [here](#)

EES	Extended Engineering Support
MPS	Mature Product Support
PVS	Prior Version Support
SE	Sustaining Engineering
SS	Standard Support




Investment protection and stability www.hp.com/go/openvms

Continuously delivering mission-critical solutions for over 35 years

Current

- Industry-leading **clustering** solutions
- **Secure** and **reliable** from CPU to solution
- Integrated **virtualization** and **management** to optimally scale resources
- Enable customers to **upgrade** from AlphaServer to Integrity

Future

- **3PAR Storage** enablement 
 - StoreServ 10000 series
 - StoreServ 7000 series
- **Security** updates
 - SSL, SSH, DECwin, TCP/IP, Java, Apache, PHP, SeaMonkey, Firefox, WSIT
- Updated **Middleware** 
 - Qualification & Support of RTR on Linux and Windows

On-going releases

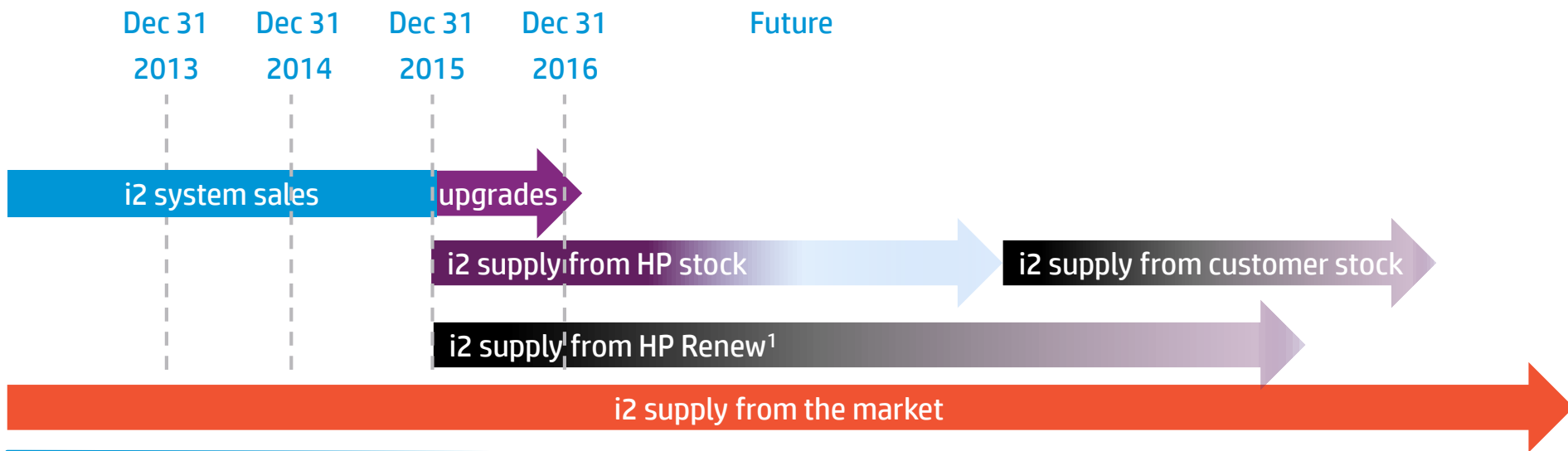
This is a rolling (up to three year) Roadmap and is subject to change without notice.



Integrity i2 availability (=i4 lifecycle)

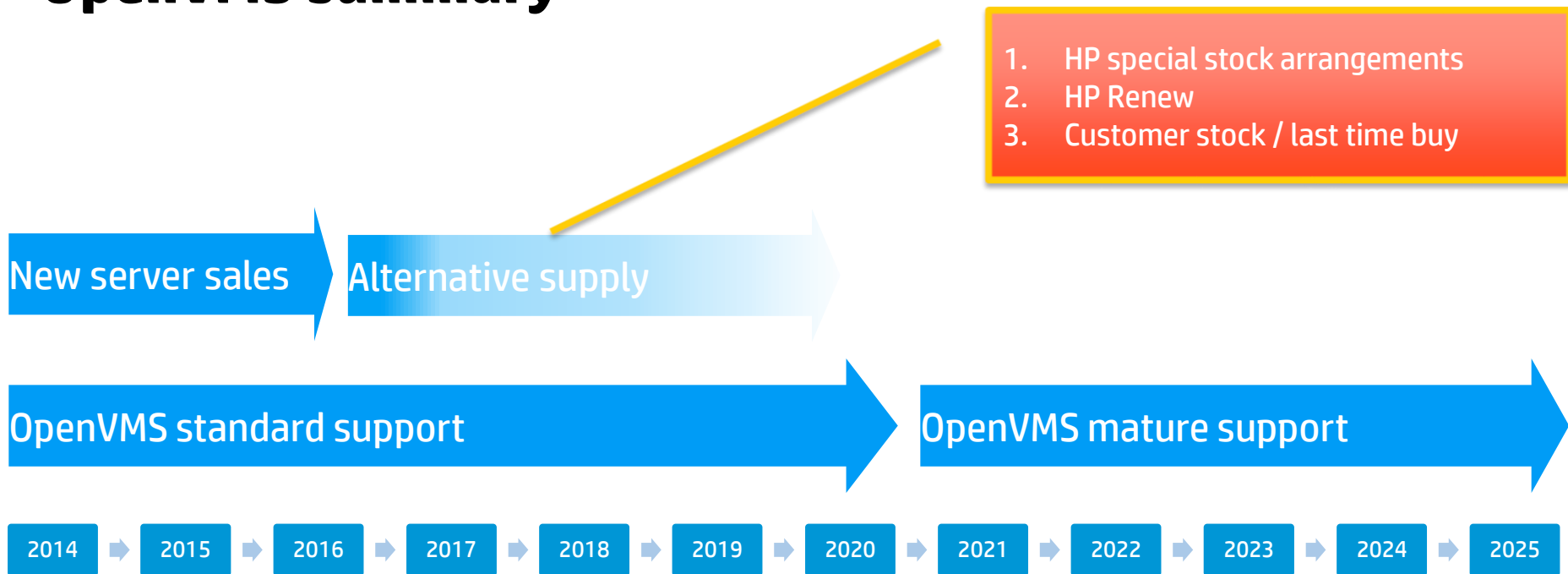
i2 Systems:

- **No change to public dates**
- **Can do a private deal**



¹ As long as supplies last

OpenVMS summary



Help

From HP

- Supply – ask
- Advice – transition discovery seminar at your company
- Consulting

From Partners

- Independent advice
- Tools
- Conversions

From users

- Share experience via Interexperience



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The next 11 years with OpenVMS

Hardware frozen and supported

- We have what we have
- If not on Integrity i2, consider a refresh to i2 for longest support life

Software frozen and supported

- If not on v8.4, consider an update for longest support life

Getting support for your environment

- Most flexibility: now
- Best support: now – 2020
- Continuing support 2020-2025



What is on the horizon

Protect each businesses

Segment the market

- Separate product families
- Mainframe, else RISC, else x86

Standing still

Proprietary

- Hold on to high value business
- Avoid open standards

Diverge

Locked-in solution stacks

- Closed. No standardization.
- Inflexible

Go with the market

Not against it

- New IT
- Open standards

Move quickly

Adapt, accelerate

- Flexibly handle all workloads
- Investment in future

Converge

Standard solution stacks

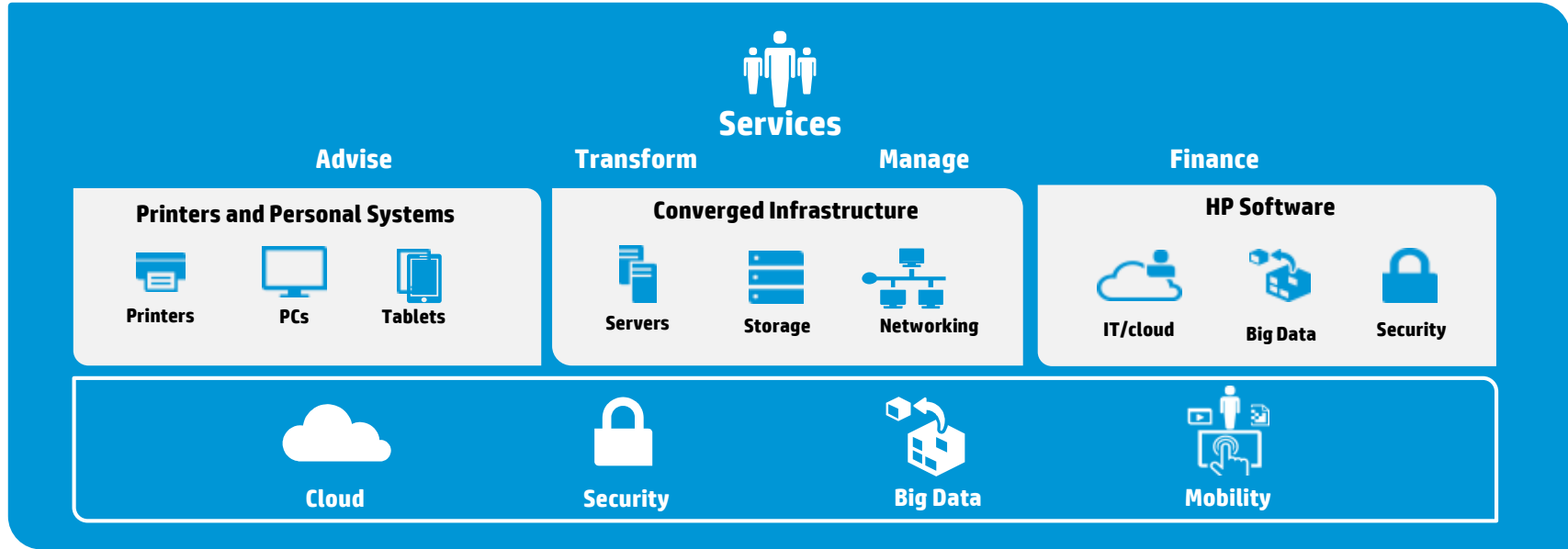
- Reuse building blocks
- Innovate for the enterprise

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HP



HP: Solutions for the New Style of IT



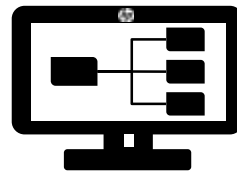
HP Enterprise Group vision



**Converged
Infrastructure**

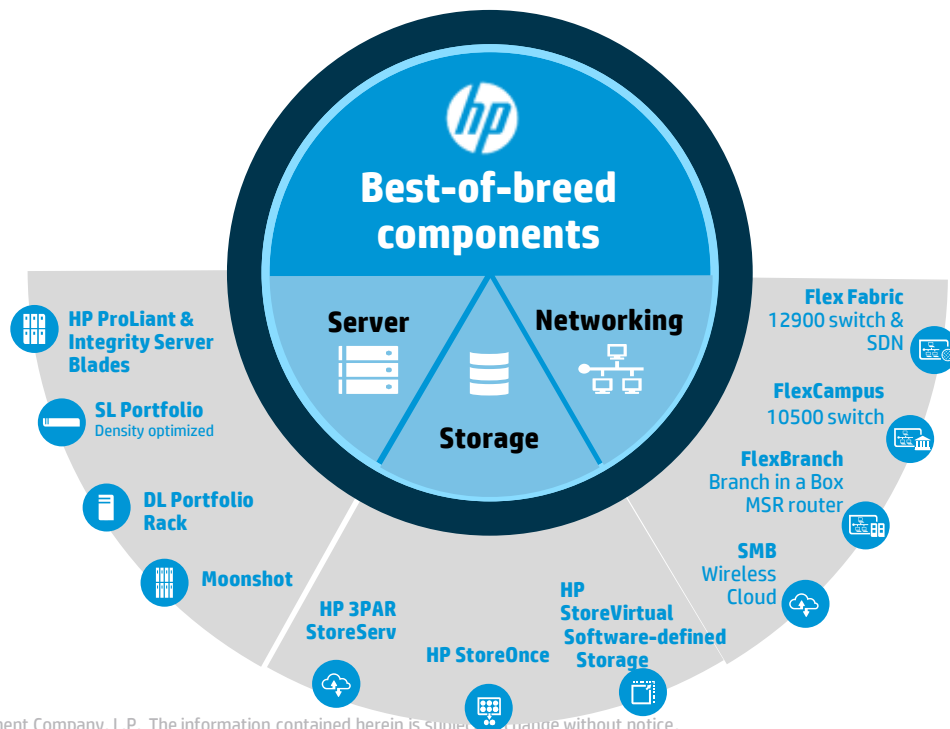


**Converged
Cloud**

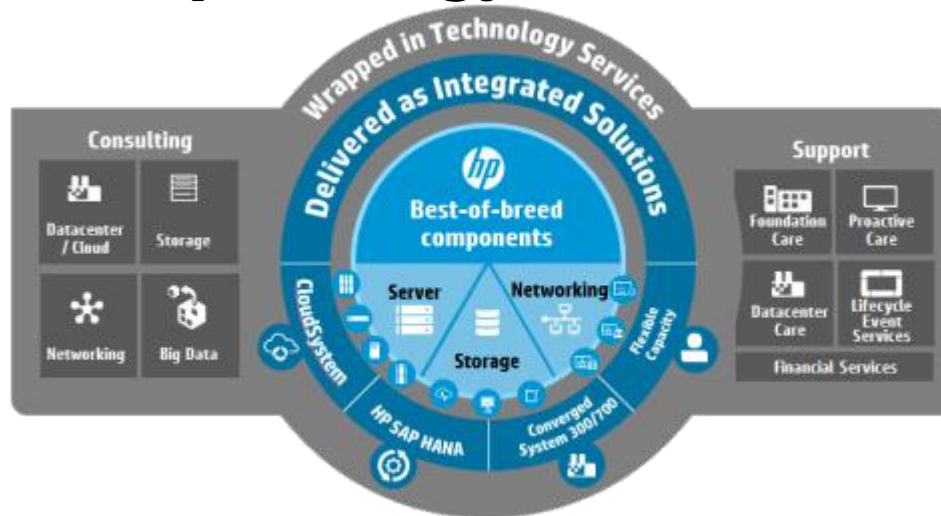


**Software-Defined
Data Center**

HP Enterprise Group strategy



HP Enterprise Group strategy



With modern architectures, optimized for today and tomorrow's workloads and web services

Bridging from the traditional to the new style of IT

Based on open standards

Enabled through a broad ecosystem of partners

Delivered any way you want to consume it

Your outcomes



Enterprise Customers

A better way to
virtualize

Accelerating your journey
to the **hybrid cloud**

Modernizing your IT

Building your **mobility**
foundation

Increasing **workforce**
productivity

Driving efficiency in the
remote or branch office

Building your **Big Data**
foundation



SMB Customers

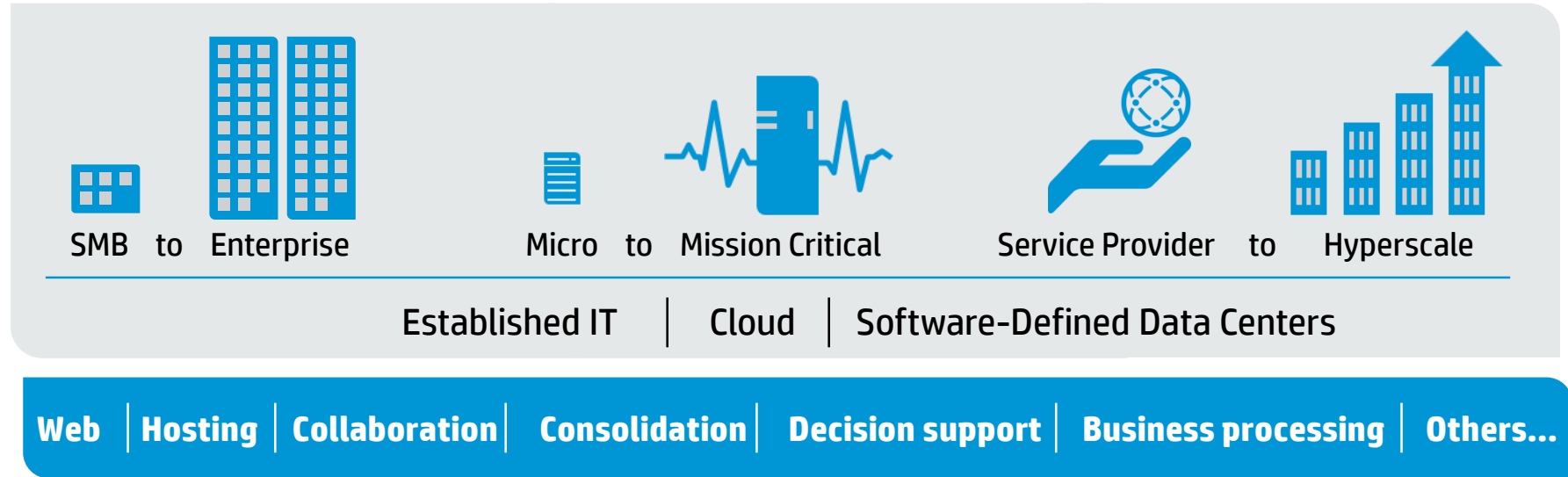
Just what you need -
just right IT



Service providers

Building the **next**
generation SP data center

HP delivers the right compute, for the right workload, at the right economics... every time



Hint: what can these do for you?

OneView

- Easier management
- Adapts to scale

iLO4

- Federated iLO
- Adapts to scale

Cats and cows

- RESTful states
- Cows adapt to scale
- Manage the herd
- Get better cows



Business critical outlook



Relentless demands driving the new style of IT



Cloud



Security



Mobility



Big Data

Megatrends present unique opportunities



IT requires more agility, efficiency, simplicity



User demands are escalating



By 2016

2x

VM growth

2x

User growth

3x

Device growth

6x

Data growth



HP mission-critical servers power the world around you



1.4B+

Credit and debit card
transaction processing



375M+

Subscribers in advanced
Telco network apps



100%

of Electronic companies
in Global 100



100%

of the top 10 global
manufacturers



100%

of Telecom companies
in Global 100

Solutions designed for continuous business

Because customers never wait

- Payment systems
- Intelligent network apps

100%

Application availability

NonStop

Because your business is always on

- Enterprise Resource Planning
- Core databases, BI, DSS

#1

Customer satisfaction

Integrity and  UX

Because mission-critical is changing

- I/O intensive workloads
- Large scale virtualization and consolidation

#1

Virtualization performance

Scale up x86



Leading mission-critical solutions for the New Style of IT



DL580



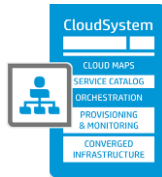
DL980



Integrity
rx2800



Integrity
Server Blades



CloudSystem Matrix
with HP-UX



Integrity
Superdome 2



Integrity
NonStop



NonStop

**Unparalleled
availability**

**Massive
scalability**

**Decades
of Reliability**



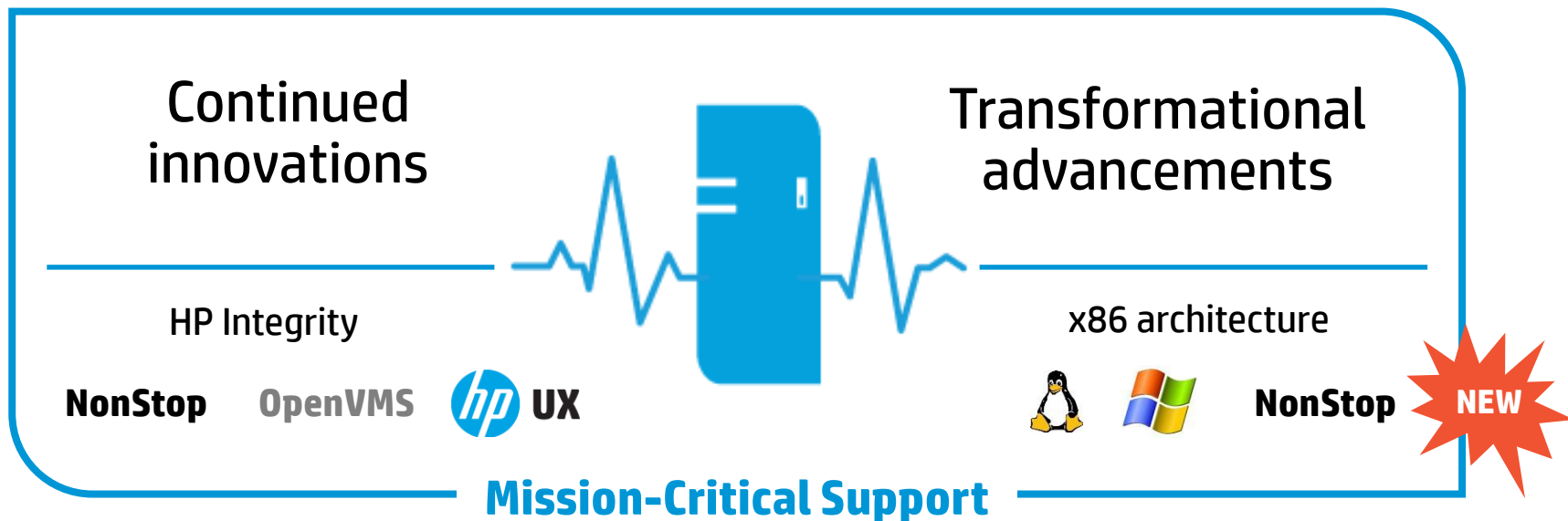
HP Mission-critical actions

OpenVMS	Reduce investment	Stabilise	Extend support	Help customers transition
HP-UX	Maintain investment	Maximise market share	Enhance and improve TCO	Increase value to customers
NonStop	Increase investment	Win more customers	Integrity and standard x86	Build on standards
Linux	Increase investment	Protect with Serviceguard	Make Linux mission critical	Build on standards
Windows	Increase investment	Work with Microsoft	Make Windows mission critical	Build on standards

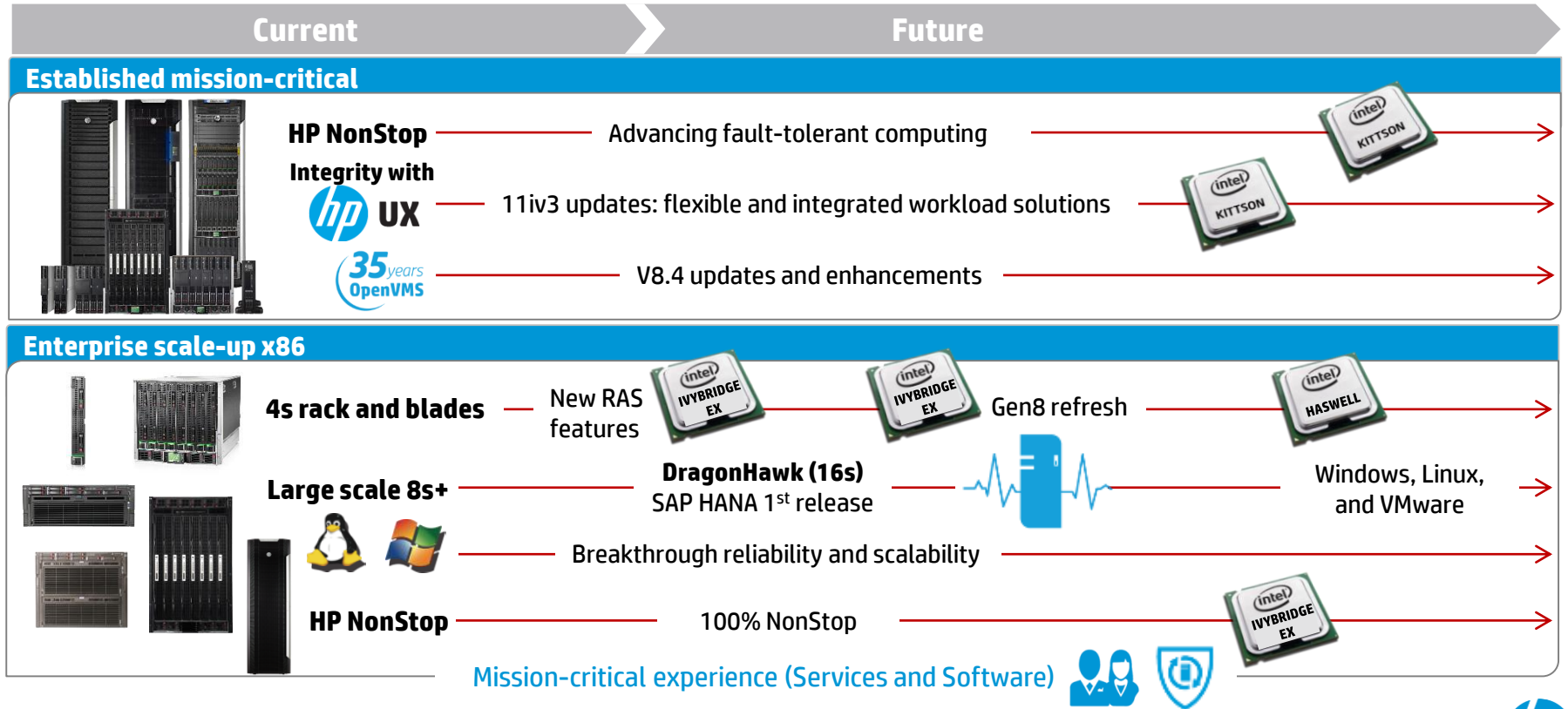


Reinventing the future of mission-critical computing

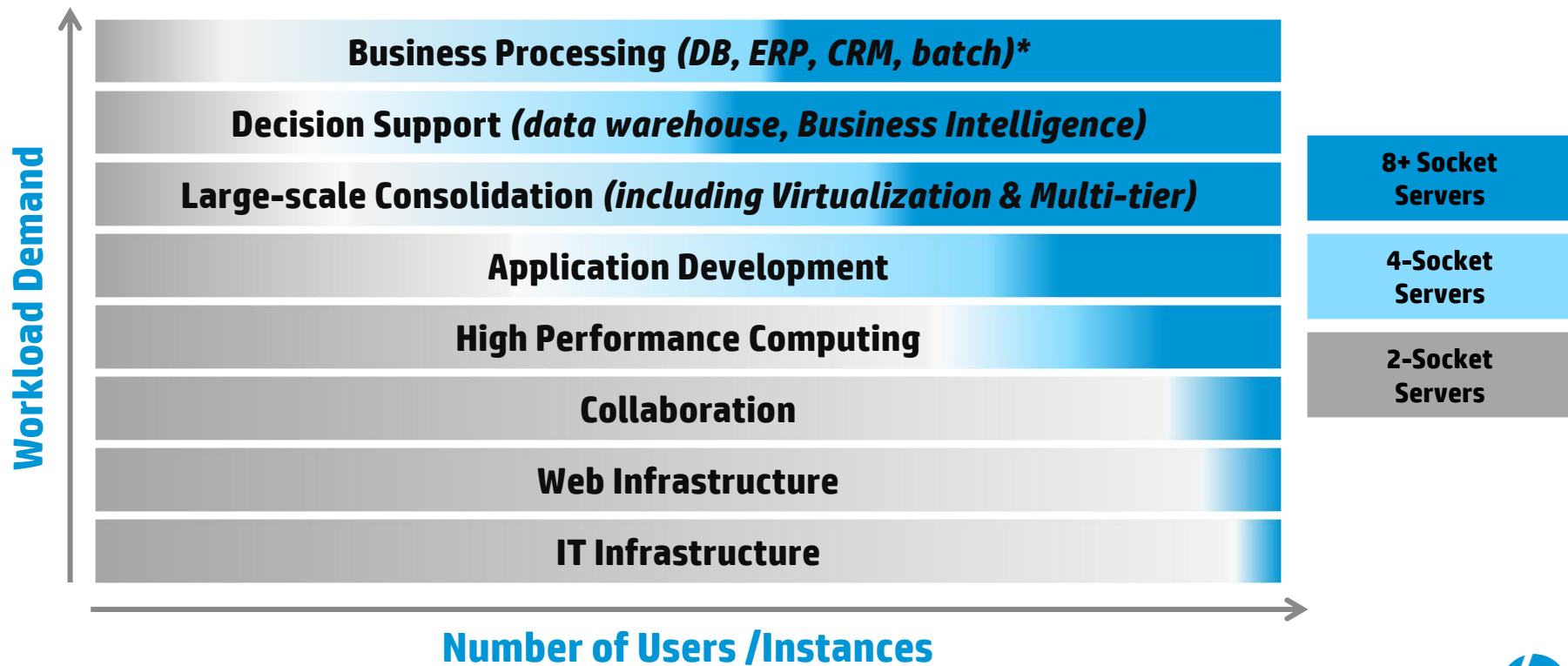
HP Project Odyssey



Investing in mission-critical leadership



Mission-critical needs increasingly being addressed by x86 servers



Turbo-charge your critical data-intensive workloads

Future, next-gen HP ProLiant DL580 Gen8 Server



Outstanding x86 4S scalability

Greater capacity and enhanced infrastructure for blazing fast results on your most demanding workloads



Class-leading resiliency and robustness

Peace of mind with increased system availability and improved reliability



Compelling Total Cost of Ownership

Save money with the efficiencies of scale-up consolidation and HP ProActive Insight Architecture



Transforming scale-up x86 with DragonHawk

Deploy your mission-critical workloads on future industry standard platforms

Scalability



3x greater scalability at
55% less solution cost
48 DIMMs, 12TB→24TB

Reliability



20x more reliable than
soft partitions alone

Availability



60% reduction in
downtime

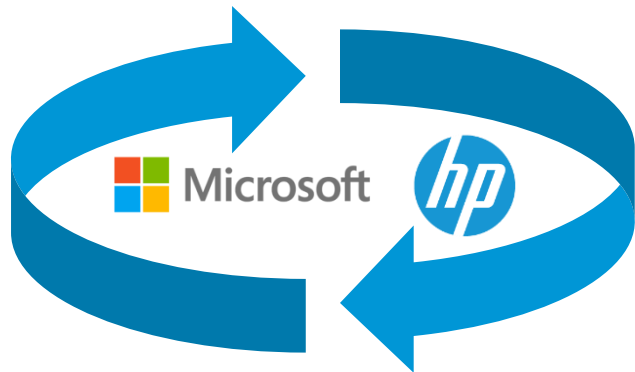
Serviceability



Failover recovery in as
little as 4 seconds



Driving top Windows performance and resiliency with over a decade of joint engineering with Microsoft



Collaborating throughout the stack to build scalable, resilient solutions for our customers



2.5x Improved BI Performance: HP ProLiant DL980 and MS SQL Server 2014

30x Improved bwin application performance: MS SQL Server 2014 In-memory OLTP engine and future HP ProLiant DL580 Gen8

Increased resiliency with SQL Memory Error Recovery: DL980 firmware enablement at **initial OS release**

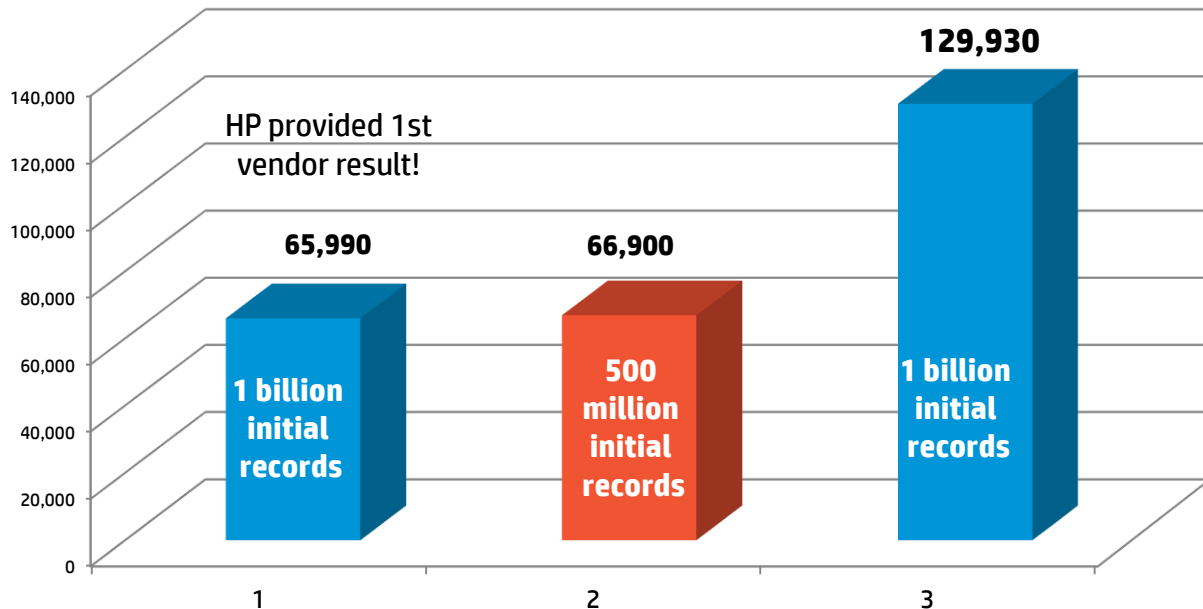


Partnering with SAP and SUSE for leadership performance

Optimized & tuned HP AppSystem for SAP HANA scale-up for analytics workloads

**HP delivers overall leadership results on
BW-EML standard application benchmark**

Query Navigation Steps / Hour



**Superior scaling &
performance**

**Optimized and tuned
for HP servers, storage
and networking**

**Comprehensive
MC support**



**HP ProLiant
DL580 G7**



Protecting your mission-critical workloads from downtime - HP Serviceguard Solutions for Linux



Today

- **Fast** failure detection, failover and failback
- Availability and disaster recovery (DR) over **any distance**
- **Out-of-box support** for applications and databases
- **Data integrity** protection

Future

- Private cloud optimized **scalability** and virtualization integration
- **Non-disruptive** DR testing
- Multi-cluster management from a **single window**
- Cluster analytics for performance optimization and **increased uptime**

4 second

Failover recovery

Zero

Planned downtime

93%

Setup time reduction



Conclusions

**OpenVMS is stabilised,
with long support**

Plan now

- Plan now, act later
- Do you need servers from 2015 onwards? Tell me or Chris Van Maaren
- Get help from Ray Turner – transition session at your company

Apologies for absence



Thank you

