OpenVMS
keep on walking together

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HP Business critical systems EMEA

You and me

OpenVMS Technical Update Days

OpenVMS

35 years

You	Me	Us
First Technical Update Days?	Past	Share
	• Servers: VAX, DECsystem (MIPS), Alpha, HP9000, Integrity	
In Technical Update Days last year?	• Software: VMS, OpenVMS, Ultrix, Tru64 UNIX, HP-UX, Windows, Serviceguard	Ask questions
In Technical Update Days 2010?	Today	Celebrate
	• Project Odyssey	
	• OpenVMS	
Today – Technical Update Days in 35th anniversary year	• HP-UX, Serviceguard	
	• Superdome 2	

Objectives for today

Technical update days, Bad Homburg

During two days

OpenVMS 360 degree <u>view</u>

- Labs
- Customer programs
- Product management
  - Worldwide
  - EMEA

OpenVMS 360 degree <u>feedback</u>

Help control your future

Press

This session

Show where OpenVMS fits within HP plans

Show where we are walking, together

A very special year

Get ready to celebrate 35 years
Get ready to celebrate a rewarding future

How to walk together

To walk together you need...

A starting point

35 years ago

- An excellent start
- A new sort of walk

Equipment

Today

- Good shoes, new shoes
  - VAX, Alpha, Integrity
- Good clothes
  - Waterproof clothes (for Windows, Linux)
  - Sunglasses (for VMS)

A direction

Keep going to the future

- A good map
- Enjoy your walk
- Want to keep walking
- A good path helps

People walking with you

Going together

- Happy to walk together
- Take the same route
- Can afford to keep going

Energy

Feed your muscles

- Keep going for years
- More efficient use of energy

Health

Keep the body working

- Fitter
- Faster
- Stamina

780 Prototype Power On

Nothing Stops It.

Hey! My walk is not straight

What if our walk was different?

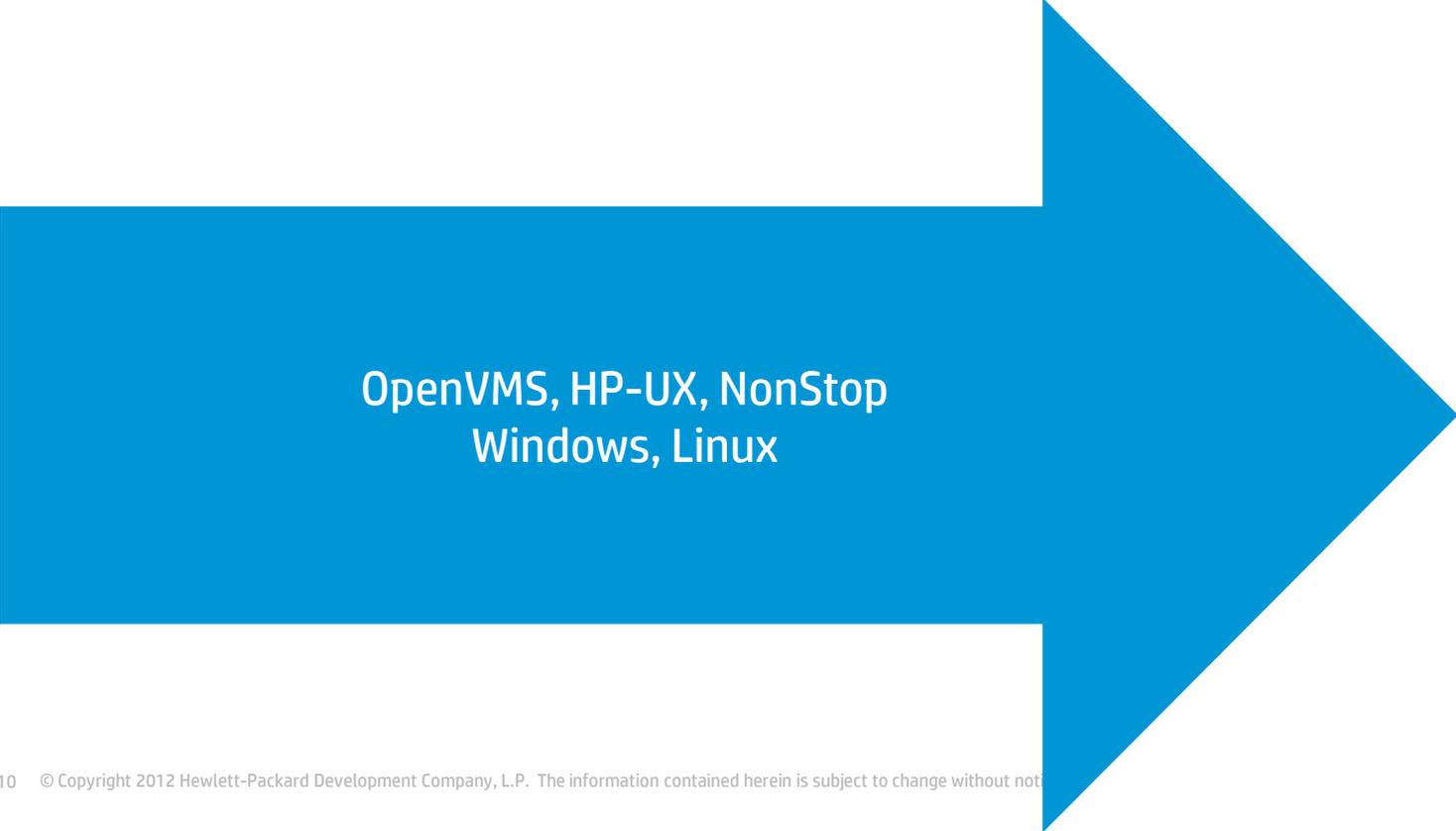Three walks – which one do you want?

- Big walk

- Medium walk

All different

- Different shoes
- Different speeds
- Different costs
- Cannot even re-use shoe laces
- Make sure you choose the right walk and the right people to walk with

- Small walk

???

There is only one walk and you must do it our way

Your OpenVMS walk

What would you like?

OpenVMS, HP-UX, NonStop
Windows, Linux

HP strategy

A different walk together

Innovation

Standards

Common components

Shared investment

Many workloads, one infrastructure

Replace barriers with clarity and stability

Choice

The right applications

The right operating systems

The right availability

Mix and match

Value

Fix problems that really matter

Drive OpenVMS and HP-UX infrastructure forward

Reduce cost of ownership for OpenVMS, HP-UX, Linux, Windows

MUCH MORE to come

Transforming the server industry

Project Moonshot
Delivering the future of extreme
low-energy computing

Project Odyssey
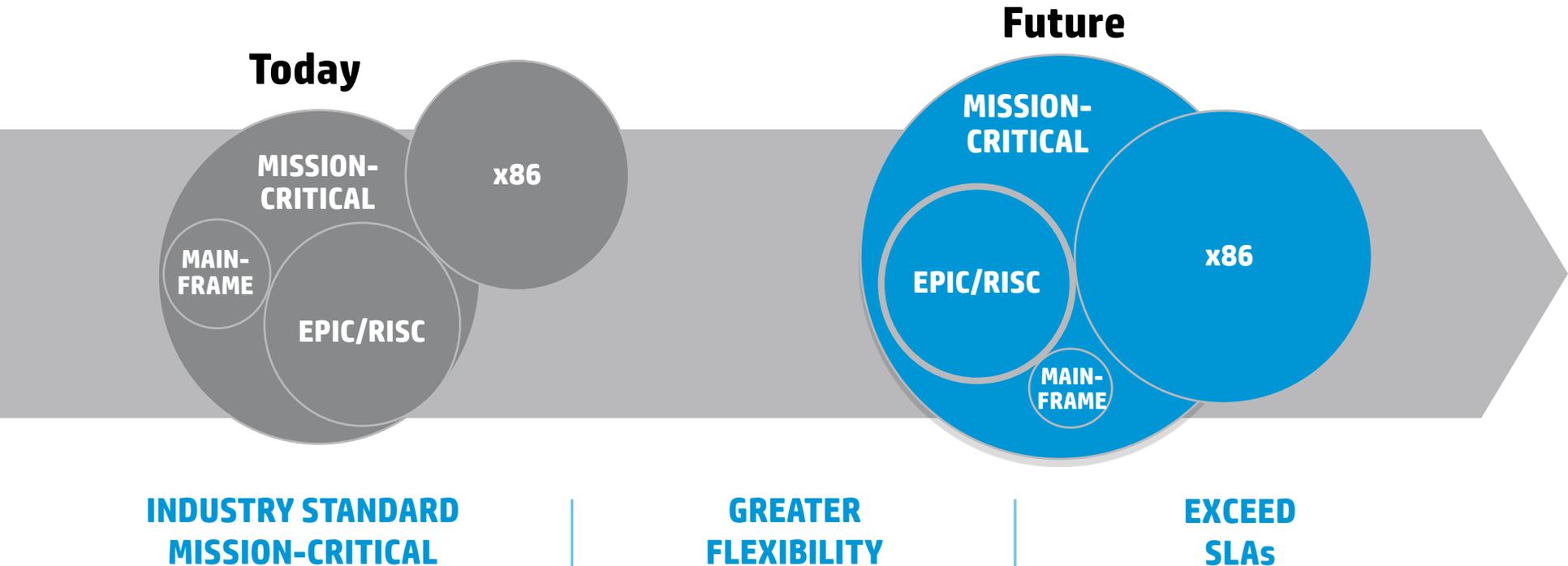Redefining the future of
mission-critical systems

Project Voyager
Redefining the expectations and
economics of data centers

1) We support OpenVMS/Integrity wherever the market goes
2) We go with the mission-critical market, not against it

Today

MISSION-CRITICAL

x86

MAIN-FRAME

EPIC/RISC

Future

MISSION-CRITICAL

x86

EPIC/RISC

MAIN-FRAME

INDUSTRY STANDARD MISSION-CRITICAL

GREATER FLEXIBILITY

EXCEED SLAs

Only HP is paving a path to the future

Conventional IT

SPECIAL PURPOSE INFRASTRUCTURE

The most mission-critical applications where downtime is not an option

FORCED TO CHOOSE

Compelled to trade off always-on resiliency for price performance

GENERAL PURPOSE INFRASTRUCTURE

OpenVMS infrastructure = Converged IT

MISSION-CRITICAL YOUR WAY

**Best of both worlds
with no trade-offs**

HP commitment with Project Odyssey

HP will deliver mission-critical x86 environments by 2014

Courtesy NASA/JPL-Caltech.

- **Advance HP Integrity / HP-UX / OpenVMS/NonStop as mission-critical design center**

- Change the game: HP as **only vendor unifying OpenVMS/UNIX and x86 within a single platform**

- Revolutionize mission-critical with a suite of products for choice and investment protection
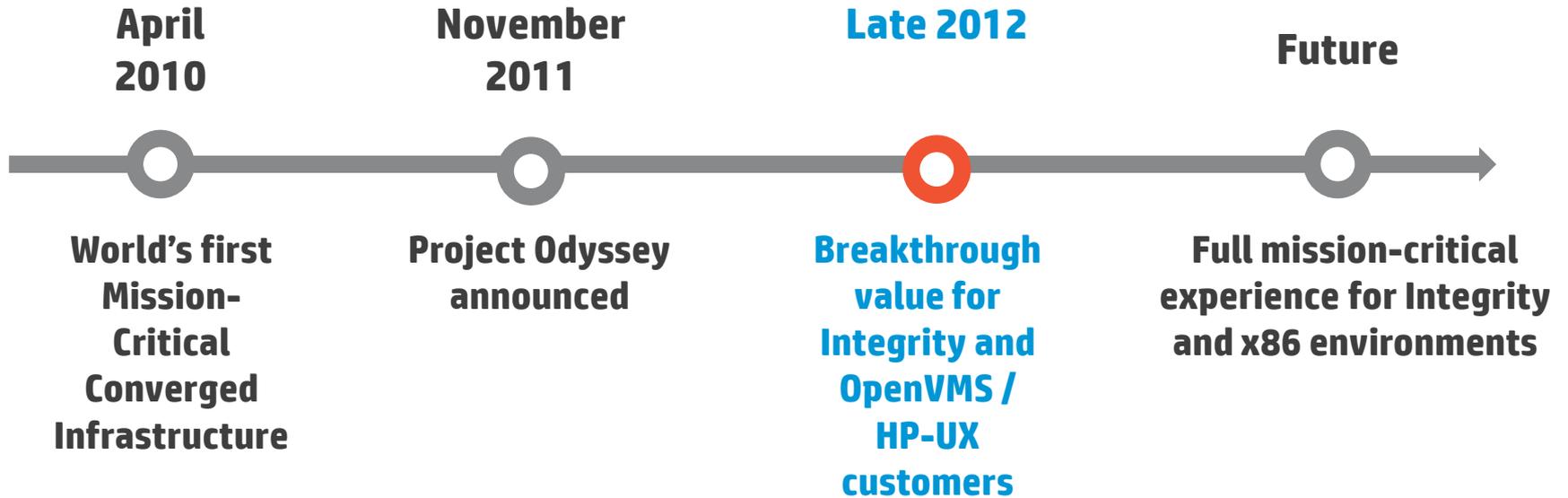
7x

Greater SMP scalability *

68x

More reliable *

54%

More efficient *

* Based on internal HP testing

Investing in your future

April
2010

November
2011

Late 2012

Future

World's first
Mission-
Critical
Converged
Infrastructure

Project Odyssey
announced

Breakthrough
value for
Integrity and
OpenVMS /
HP-UX
customers

Full mission-critical
experience for Integrity
and x86 environments

For OpenVMS/ Integrity customers
Your future is only a blade away

Innovation

- Converged infrastructure means
  - More investment + shared innovation
- Innovation with enterprise stability
- Clear roadmap
- No software qualification challenges

Choice

- More Integrity
- Or more Integrity and add x86 when required
- Or move to x86
- No software lock-in

Value

- HP per-socket licensing
- Fantastic license investment protection
- More cores to come
- Poulson = big TCO improvement
- Blade efficiency, for any workload. Only from HP.

Server strategy for OpenVMS customers
Mission-critical OpenVMS built on industry standards
A ten year roadmap
Blade efficiency
Common with x86 infrastructure
Mission-critical and reducing TCO

Maximize availability and flexibility

OpenVMS / Integrity roadmap within mission-critical converged infrastructure

2012	2013-2014	Future

On-going innovations in HP mission-critical converged infrastructure

2012
- **Itanium® 9500**-based Integrity platforms
- OpenVMS-ready
- Performance up
- Costs down
- Increased partitioning flexibility
- Binary compatibility for ISVs

2013-2014
- **OpenVMS enablement of Itanium 9500**
- **Faster data access** through increased memory capacity and flexibility
- Continued **binary compatibility** for ISVs

Future
- **Kittson***-based Integrity platforms
- Performance up
- Costs down
- Continued binary compatibility for ISVs

On-going OpenVMS releases

Convergence benefits OpenVMS users

Intel

OpenVMS users benefit today

- Long life
- Volume innovation plus lower costs
  - Quick Path
  - Standard chipset
- More rapid innovation

OpenVMS users benefit in future

- Shared Xeon ⇔ Itanium innovation
- More performance <u>and</u> more green
- More license value / €

HP

OpenVMS users benefit from

- BladeSystem efficiencies
  - Workload flexibility
  - iLO and common management
  - Virtual Connect
- ProLiant innovation
  - Onboard Administrator
  - SIM
- Shared, co-located labs

More innovation, lower costs

Some words from the top

Top priority: you and your business.

OpenVMS labs exists because of you.

Once we commit, honour it

Never put trust at risk

Remove roadblocks and make milestones

Keep OpenVMS rock-solid, no compromise

Help customers benefit from new technologies

Take pride in what we do

Our mission: keep your systems up and running for many years

No 'end' planned or in mind

Integrity server and OpenVMS news and plans

Things to remember

Converged infrastructure means

- A more secure future
  - With Intel
  - With HP
- More innovation (sometimes eventually)
- Flexibility. Mix, not life or death

Integrity

Value, economy, performance

- Common Itanium/Xeon components

OpenVMS

Evolution not revolution

- From all proprietary to volume standard components
- Per-socket pricing
- Double value for money with previous
- Double again with next generation
- More again in following generation

  We have come a long way

Your future
 OpenVMS in converged infrastructure

From HP to you

- Long life infrastructure
- More big cost savings coming
- Big performance improvements coming
- Clearest server roadmap in the industry
- No software qualification challenges
- Thank you for your business

From you to HP

- Orders are welcome!

OpenVMS survives the test of time
OpenVMS continues to improve
- **Functionality**
- **Value**

Can you count on OpenVMS for years to come?

YES!

Dank