Into the Compute Era

Your data centre

Why are we here?

HP says the "Compute Era" will define the data centre for the next 25 years.
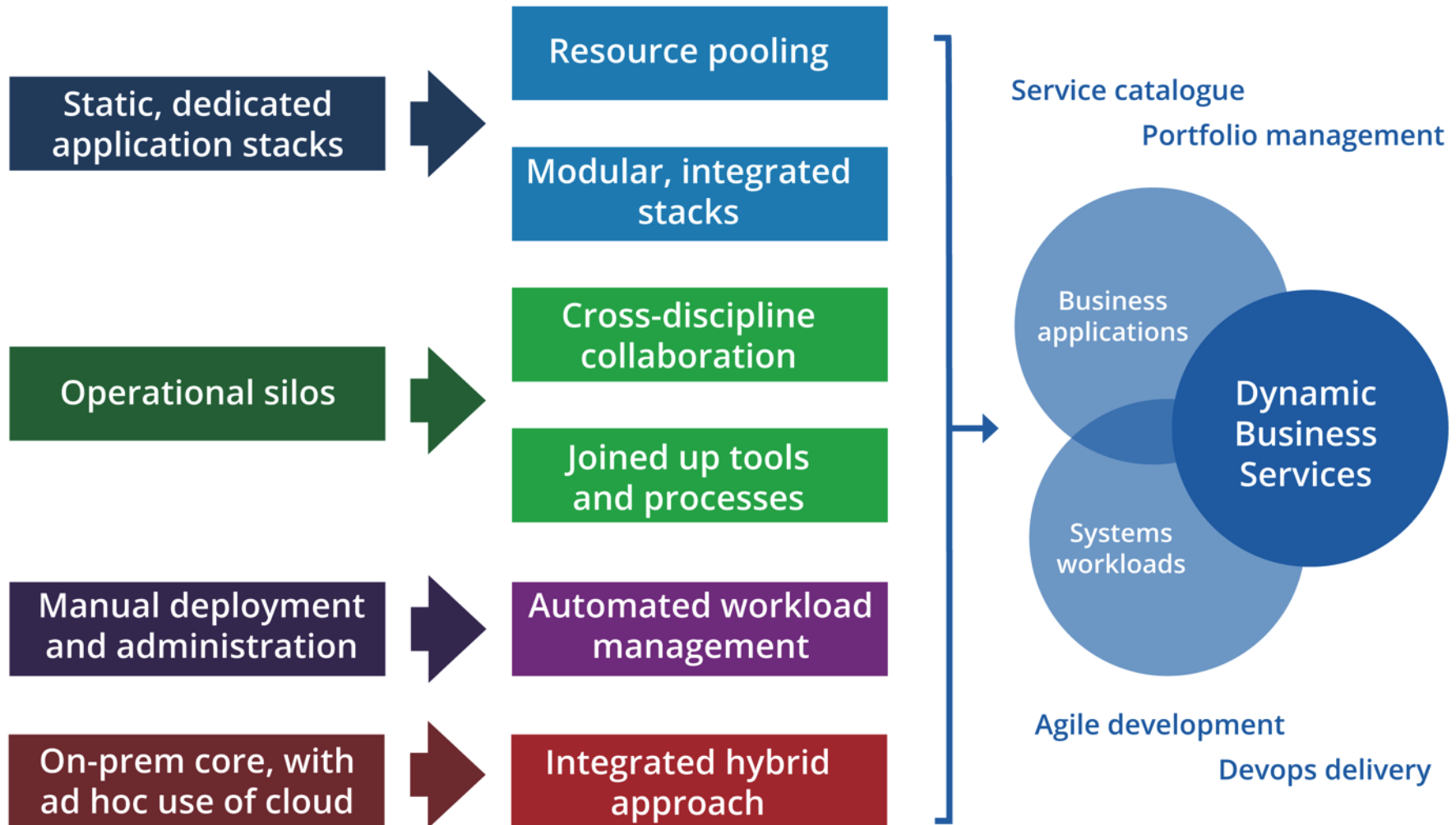
On our Regcast today

Martin Riley, **HP**

Malcom Hay, **Intel**

Dale Vile, **Freeform Dynamics**

Tim Phillips, **The Register**

What Reg movers and shakers want

Static, dedicated application stacks → **Resource pooling**

Modular, integrated stacks

Operational silos → **Cross-discipline collaboration**

Joined up tools and processes

Manual deployment and administration → **Automated workload management**

On-prem core, with ad hoc use of cloud → **Integrated hybrid approach**

Service catalogue

Portfolio management

Business applications

Dynamic Business Services

Systems workloads

Agile development

Devops delivery

The compute era begins

Converged Infrastructure	Software Defined Data Center	Cloud Services

Reimagine the server. Think compute.

Traditional compute infrastructure

Siloed   **Manual**   **On premise**

More flexibility and choice of IT infrastructure
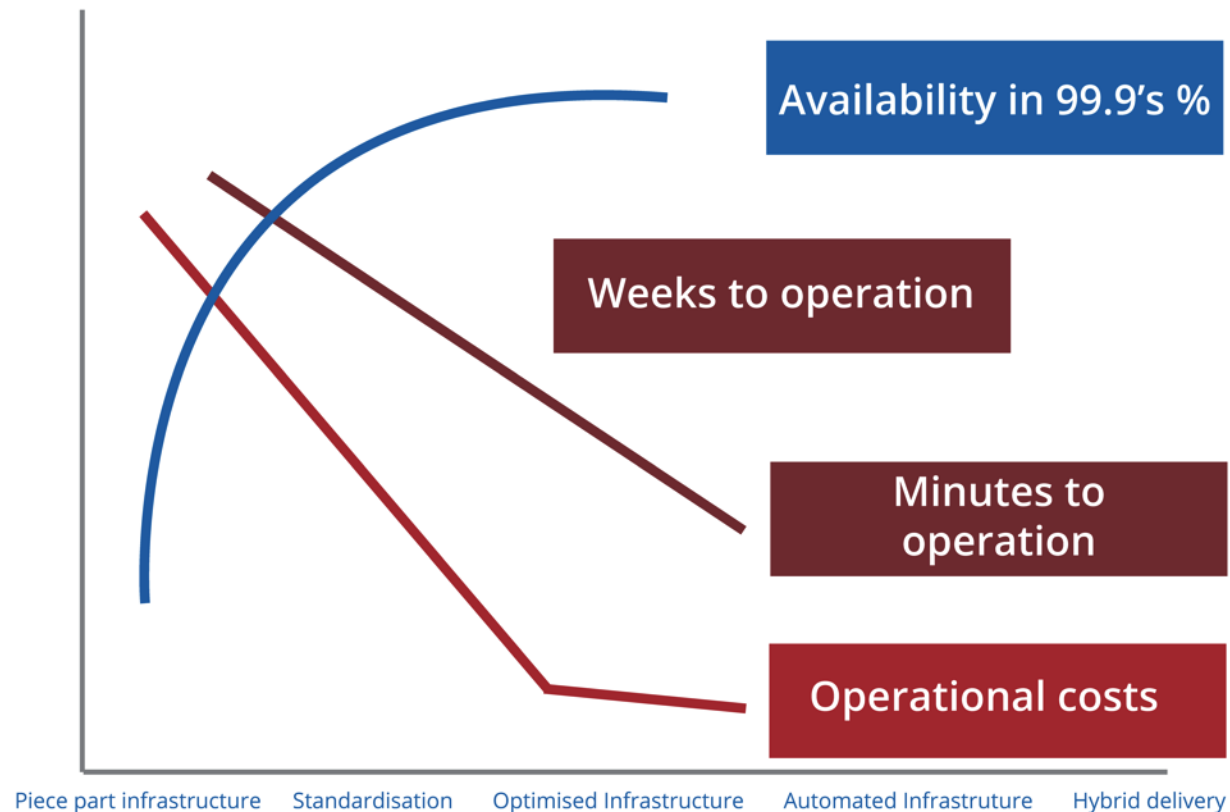
Enabling the compute era

Converged Infrastructure	Software Defined Data Center	Cloud Services
HP ConvergedSystem	*HP SDDC Solution*	*HP Helion*

Convergence
HP BladeSystem,
HP Apollo,
HP Virtual Connect,
HP Moonshot

Software Defined
HP OneView,
RESTful APIs enabled,
ISV Integrations

Cloud
HP CloudSystem,
OpenStack-ready

Workload optimization with common modular architecture

Reimagine the server. Think compute.

Traditional compute infrastructure

Siloed   **Manual**   **On premise**

More flexibility and choice of IT infrastructure

Creating new server industry dynamics

Data center management

Storage & memristor

Fabric & photonics

Power & cooling

In-memory computing

HP Moonshot

Advancing technologies

Traditional IT

Cloud

X as a service

Changing consumption models

Servers must transform

Workload Optimised

Escalating demands

Simplicity

Efficiency

Agility
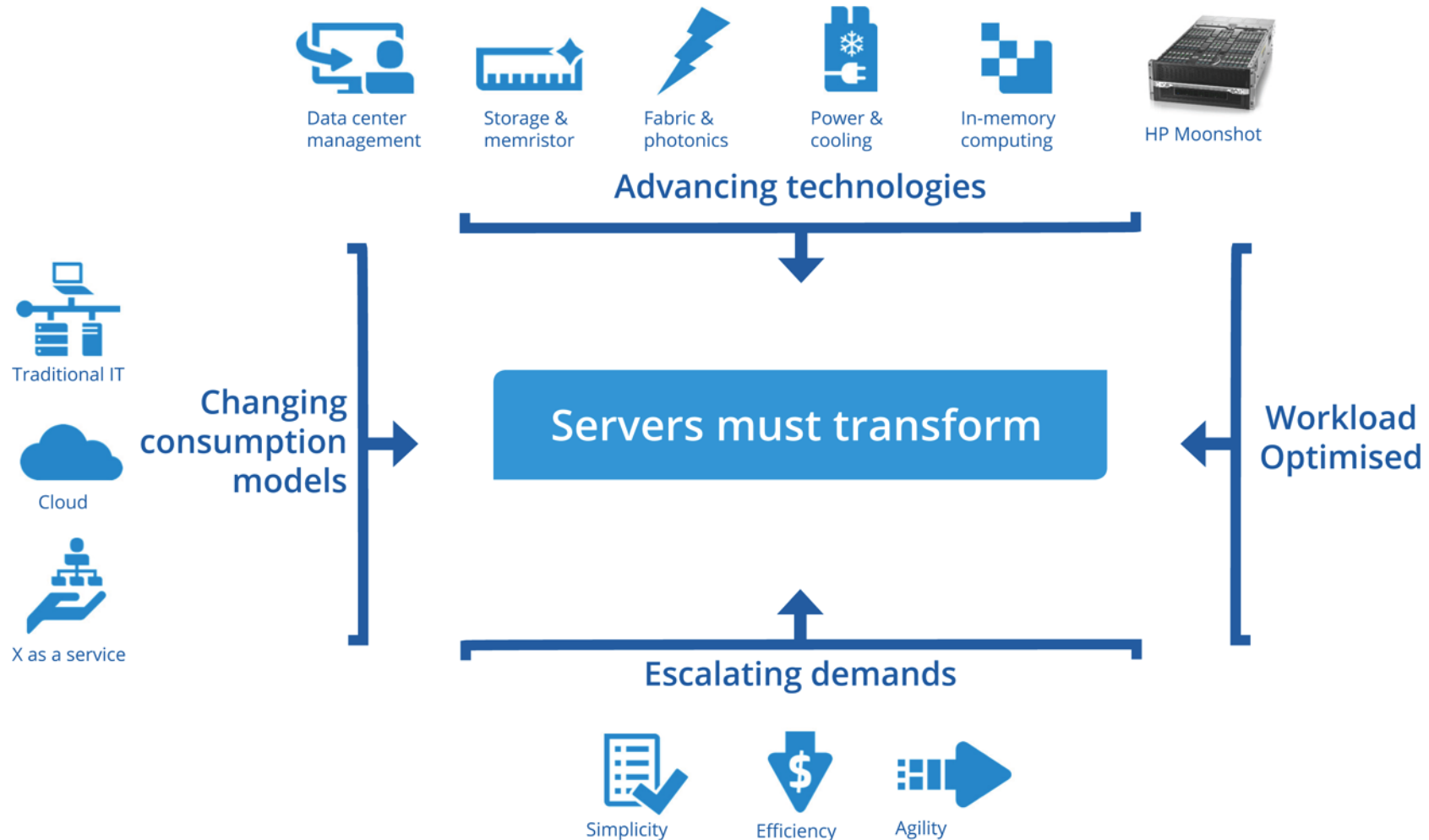
How much could you save with Converged Infrastructure?

Effect of Increased Convergence Levels on IT Costs, Uptime, and Speed of Deployment

Uptime of availability

Speed of Deployment

Cost per Workload throughput

Availability in 99.9's %

Weeks to operation

Minutes to operation

Operational costs

Piece part infrastructure   Standardisation   Optimised Infrastructure   Automated Infrastructure   Hybrid delivery

Examples of compelling business outcomes

What would it mean to you...

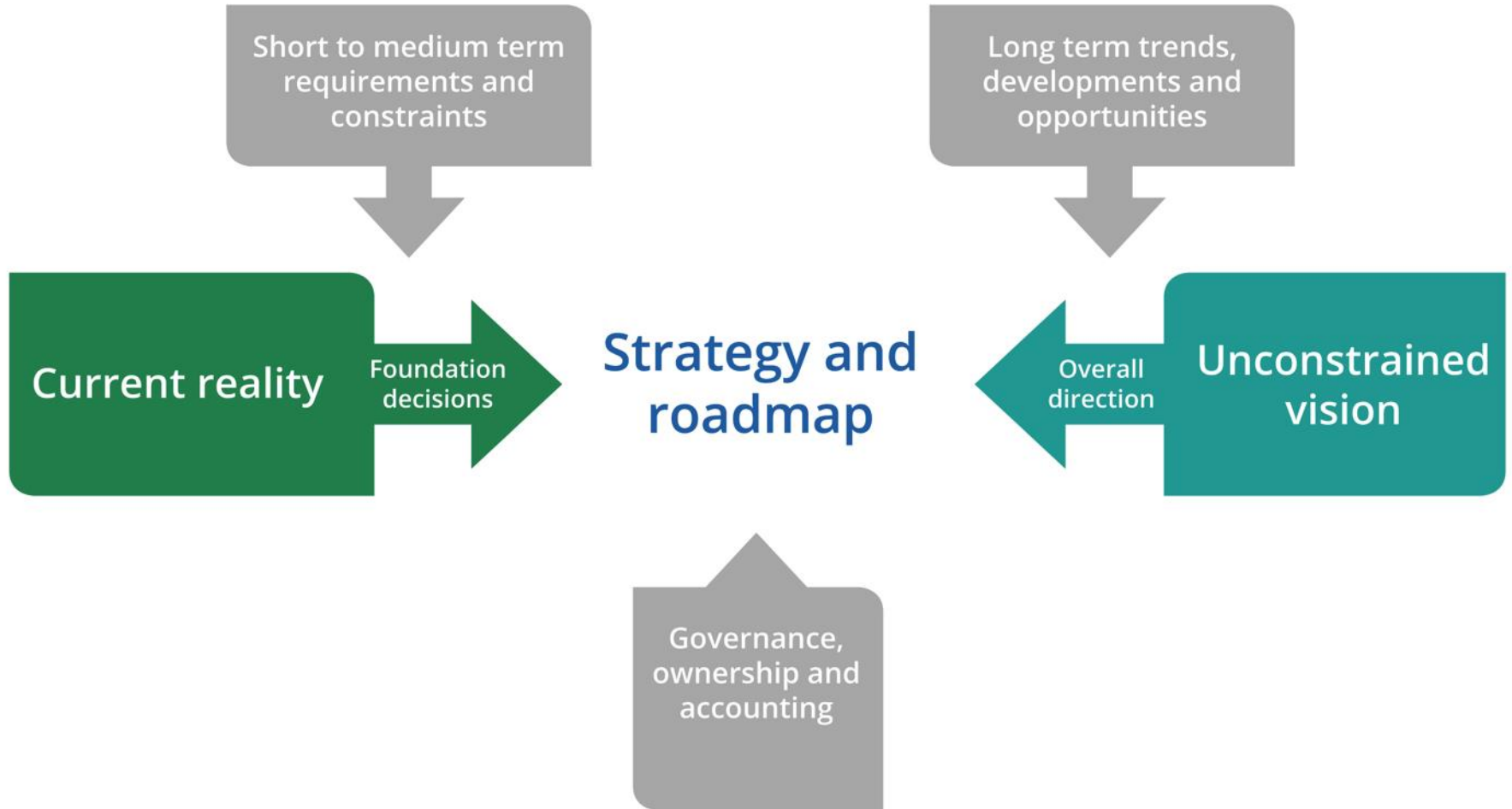|		
Gain insights to your business in real-time	**Big Data** Faster insight	27 hours to 5 seconds to process 24 hours of Twitter Data
Grow your business while cutting costs?	**Cloud** New paths to revenue	8x growth with 20-30% cost **-**Cloud Service Provider,
Move your business faster for a competitive edge?	**New Compute** New Possibilities	Move your business faster for a competitive edge? - Logistics company

Plotting a course for the future

Short to medium term requirements and constraints

Long term trends, developments and opportunities

Current reality

Foundation decisions

Strategy and roadmap

Overall direction

Unconstrained vision

Governance, ownership and accounting

The Register

Lay the foundations while meeting short/medium needs

- Evolution of messaging and collaboration

- New and upgraded application packages

- Digital / mobile customer engagement

- Revolving door of 'situational apps'

- Specialised workloads
  - Desktop virtualisation
  - Digital content and management

Further reading

HP

What is Converged Infrastructure   http://reg.cx/2cpX

HP Converged Infrastructure case studies   http://reg.cx/2cpW

Thanks for joining us

An archived version of today's event will be made available on The Register in the near future.