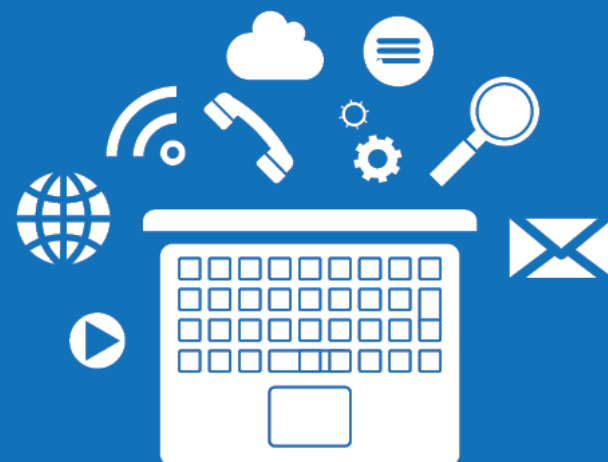# Why we need converged infrastructure

And how to do it

On our Regcast today

Clive Freeman, **HP**
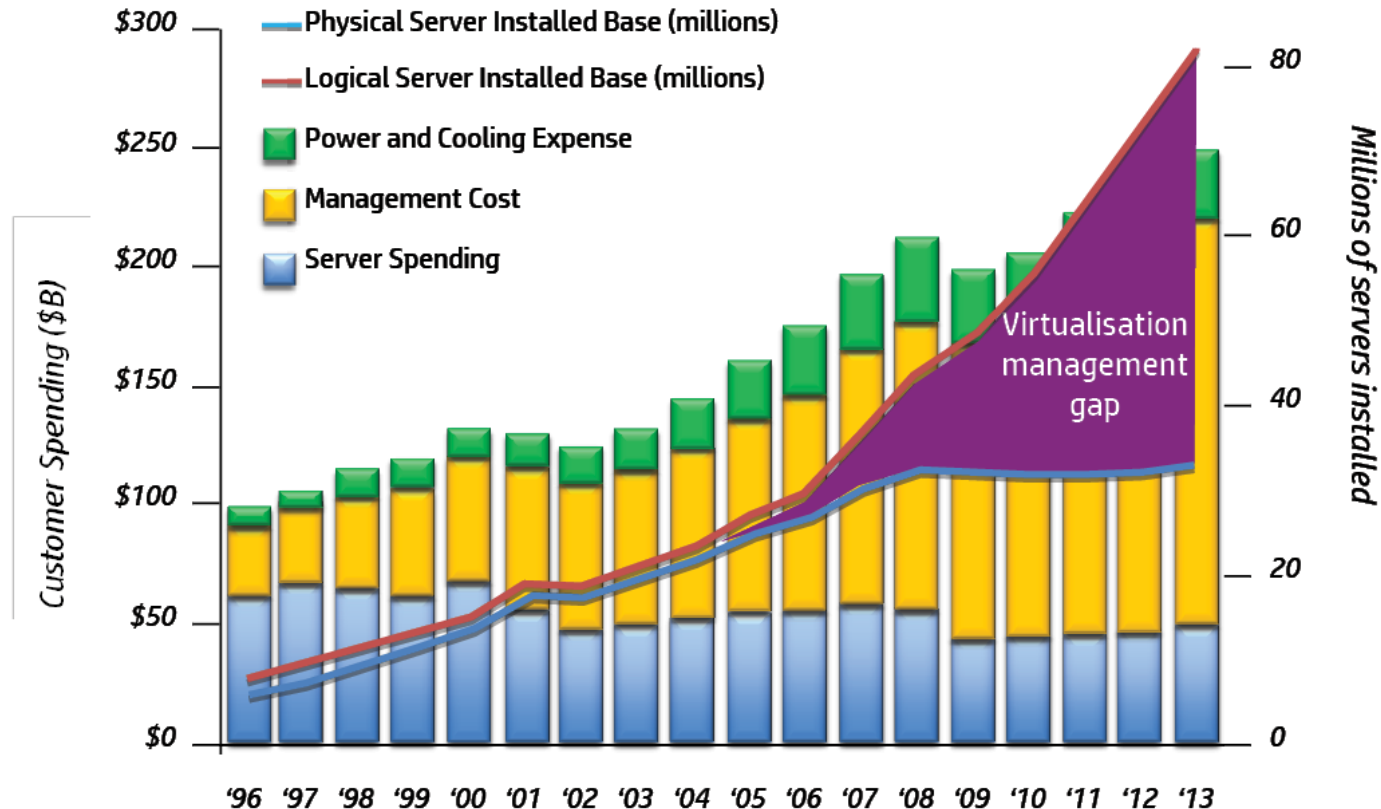
Tony Lock, **Freeform Dynamics**

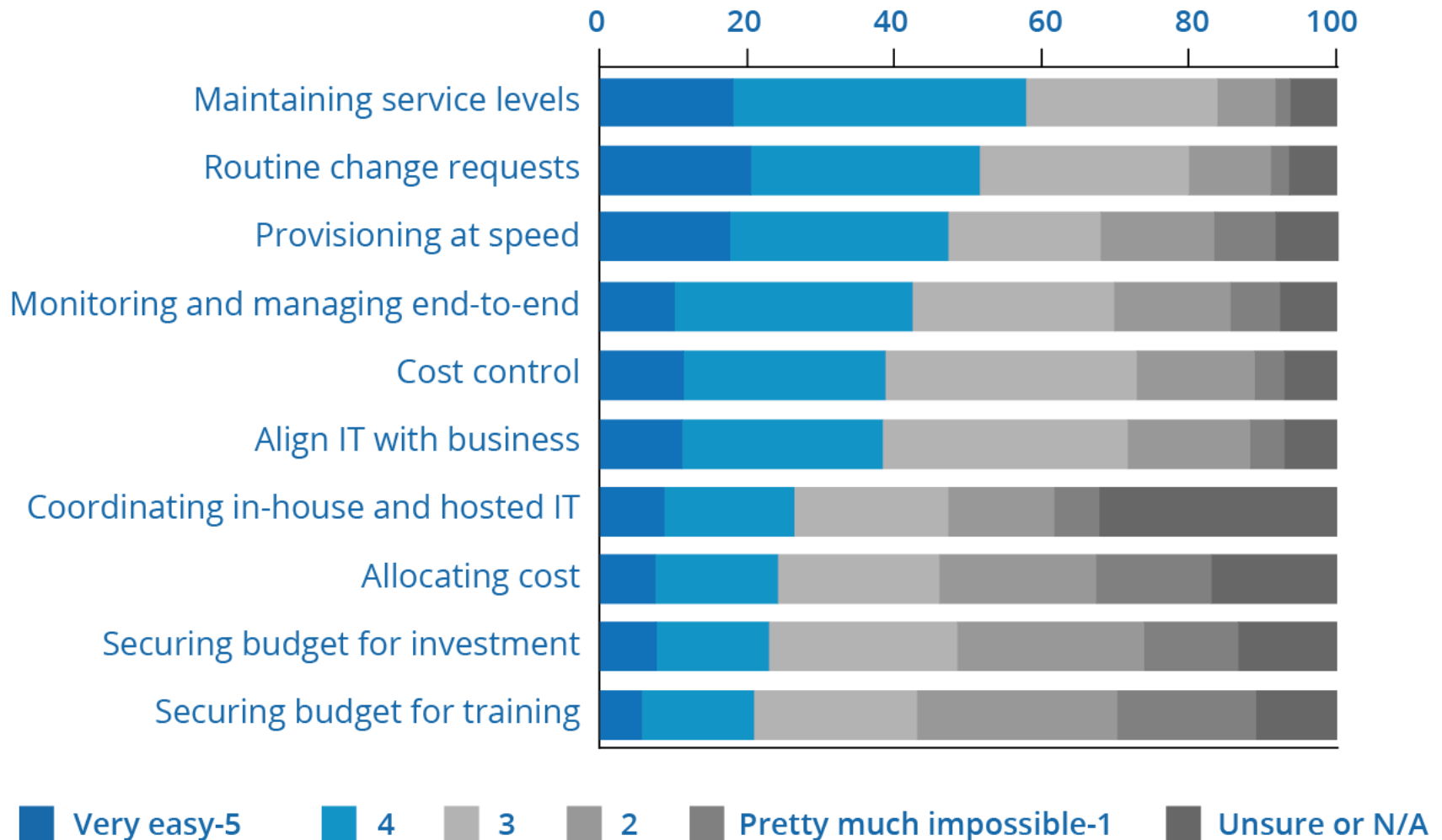Tim Phillips, **The Register**

The problem

"Virtual sprawl" and raised expectations have given you a management problem in your data centre. Can converged systems solve your problem?

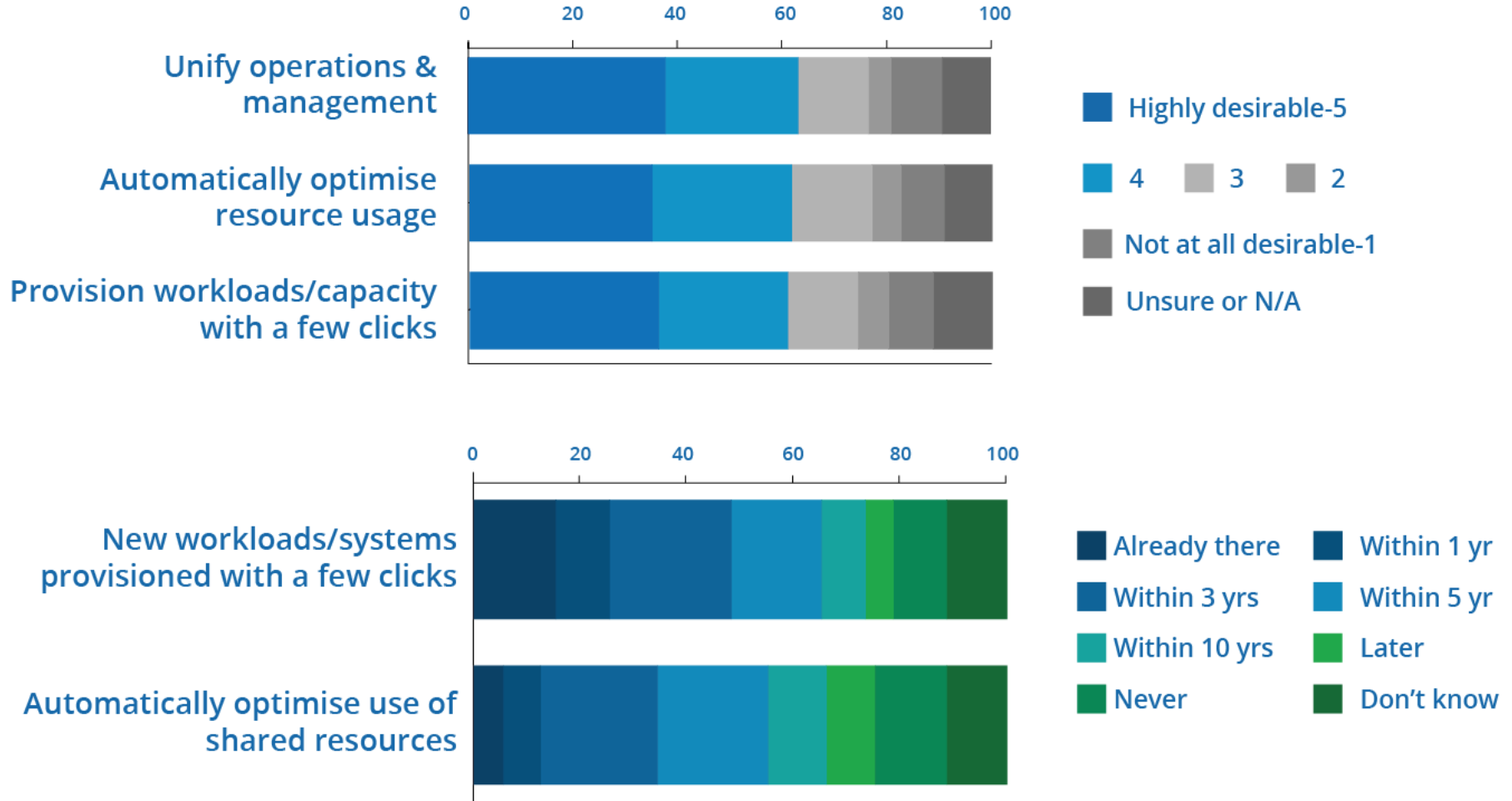# The virtualisation management issue

Legend:
- Physical Server Installed Base (millions)
- Logical Server Installed Base (millions)
- Power and Cooling Expense
- Management Cost
- Server Spending

Y-axis (left): Customer Spending ($B) — $0, $50, $100, $150, $200, $250, $300

Y-axis (right): Millions of servers installed — 0, 20, 40, 60, 80

X-axis: '96 '97 '98 '99 '00 '01 '02 '03 '04 '05 '06 '07 '08 '09 '10 '11 '12 '13

Virtualisation management gap

Source: IDC 2013

How easy are the following in your environment?

Chart with horizontal scale from 0 to 100:

- Maintaining service levels
- Routine change requests
- Provisioning at speed
- Monitoring and managing end-to-end
- Cost control
- Align IT with business
- Coordinating in-house and hosted IT
- Allocating cost
- Securing budget for investment
- Securing budget for training

Legend:
- Very easy-5
- 4
- 3
- 2
- Pretty much impossible-1
- Unsure or N/A

Operations and management visions

How much do the following apply in your environment?

Legend: Totally-5 | 4 | 3 | 2 | Not at all -1 | Unsure or N/A

Categories:
- Culture of business service delivery in IT
- Ops teams integrates across disciplines
- Management tools are fit for purpose
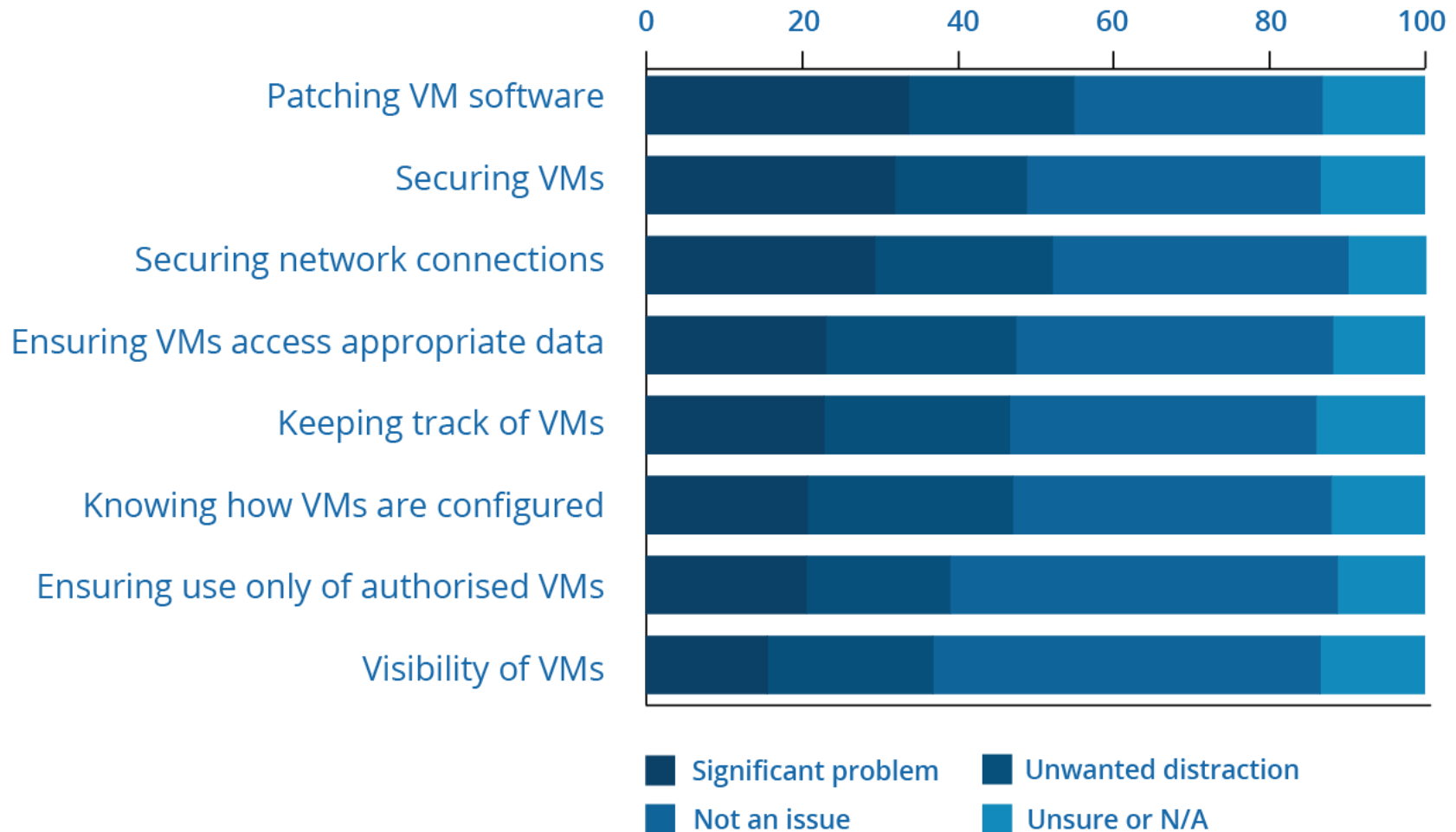- Ops/management processes integrated
- Management tools work well together
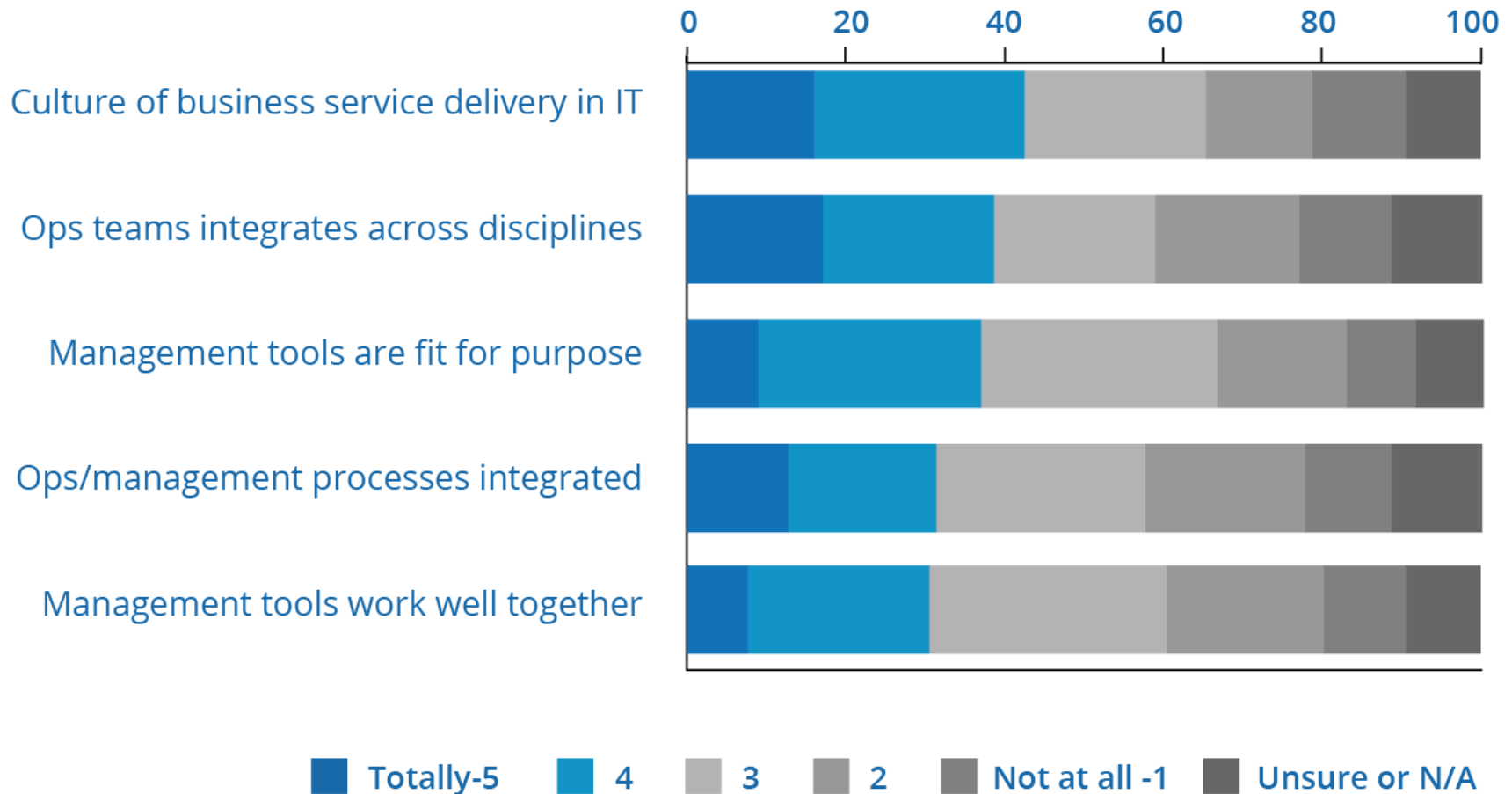
How much are the following a problem for you?
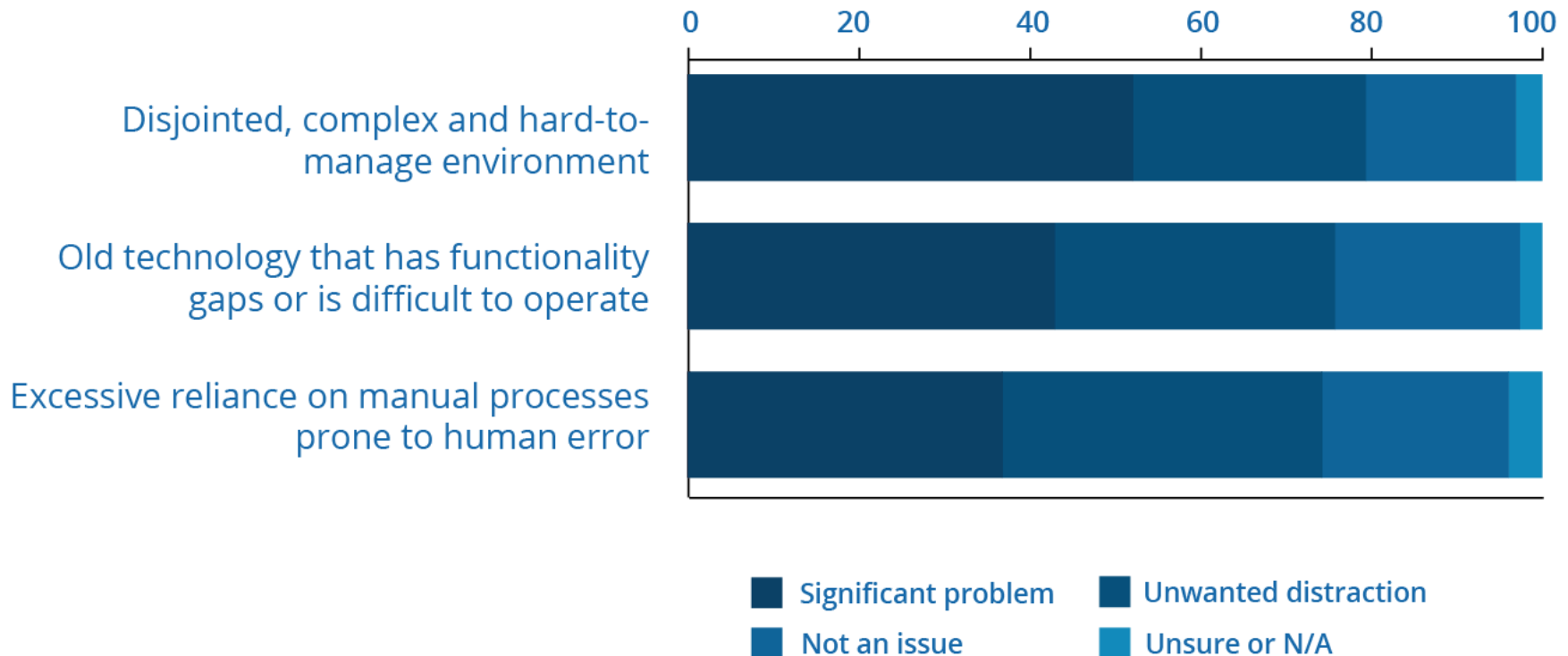
How much are the following a challenge for you, managing VMs?

Legend:
- Significant problem
- Unwanted distraction
- Not an issue
- Unsure or N/A

Categories:
- Patching VM software
- Securing VMs
- Securing network connections
- Ensuring VMs access appropriate data
- Keeping track of VMs
- Knowing how VMs are configured
- Ensuring use only of authorised VMs
- Visibility of VMs

X-axis: 0, 20, 40, 60, 80, 100

Converged infrastructure solves this

Accelerates provisioning and simplifies management through shared pools of interoperable resources
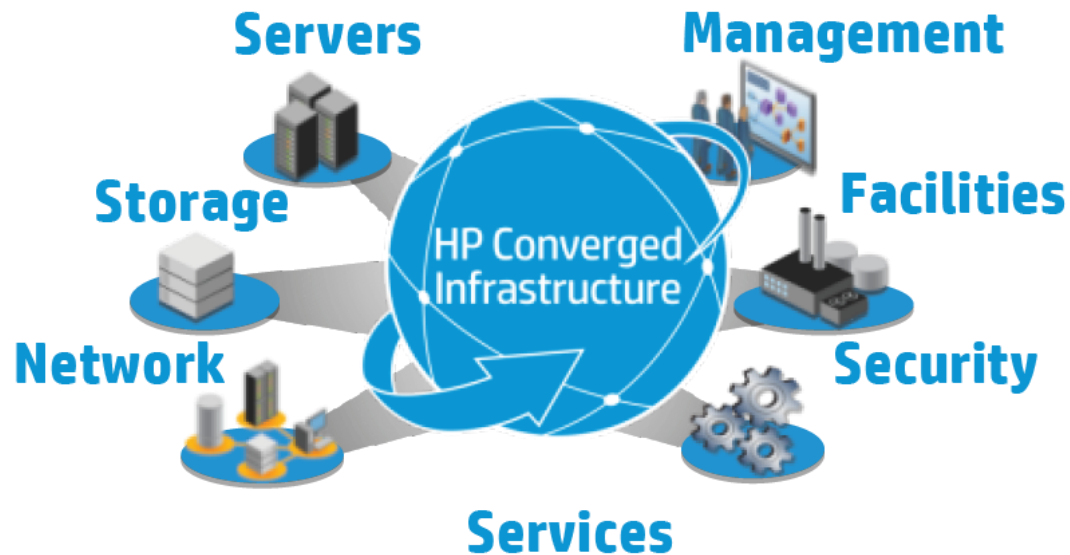
HP: Full portfolio, solution focused

Virtualisation	Hosted Desktop	Collaboration & email	Analytics/ Big Data	SAP HANA
CS 300 CS 700 CS 700x	CS 100	CS 300 SL 4540	CS 300	CS 500 CS 900

Simple to buy
50-1000+ VM's
Up to 1800 servers/rack (with CS100)

Simple to deploy
Order to operations in as few as 20 days
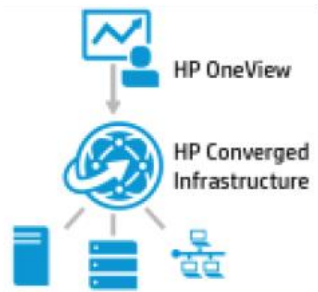
Simple to manage
Managed as ONE
Unified servers & storage

Simple to support
One Company: HP

HP OneView: faster provisioning, monitoring and troubleshooting
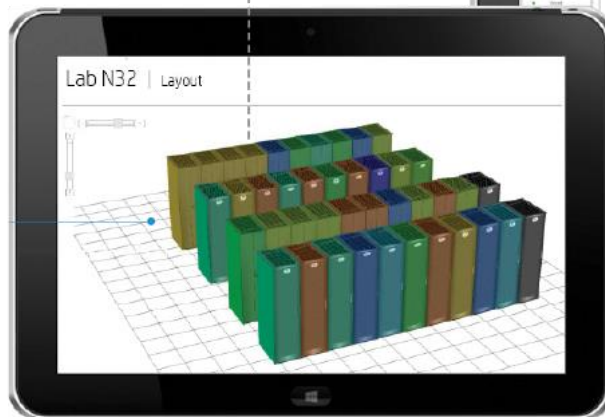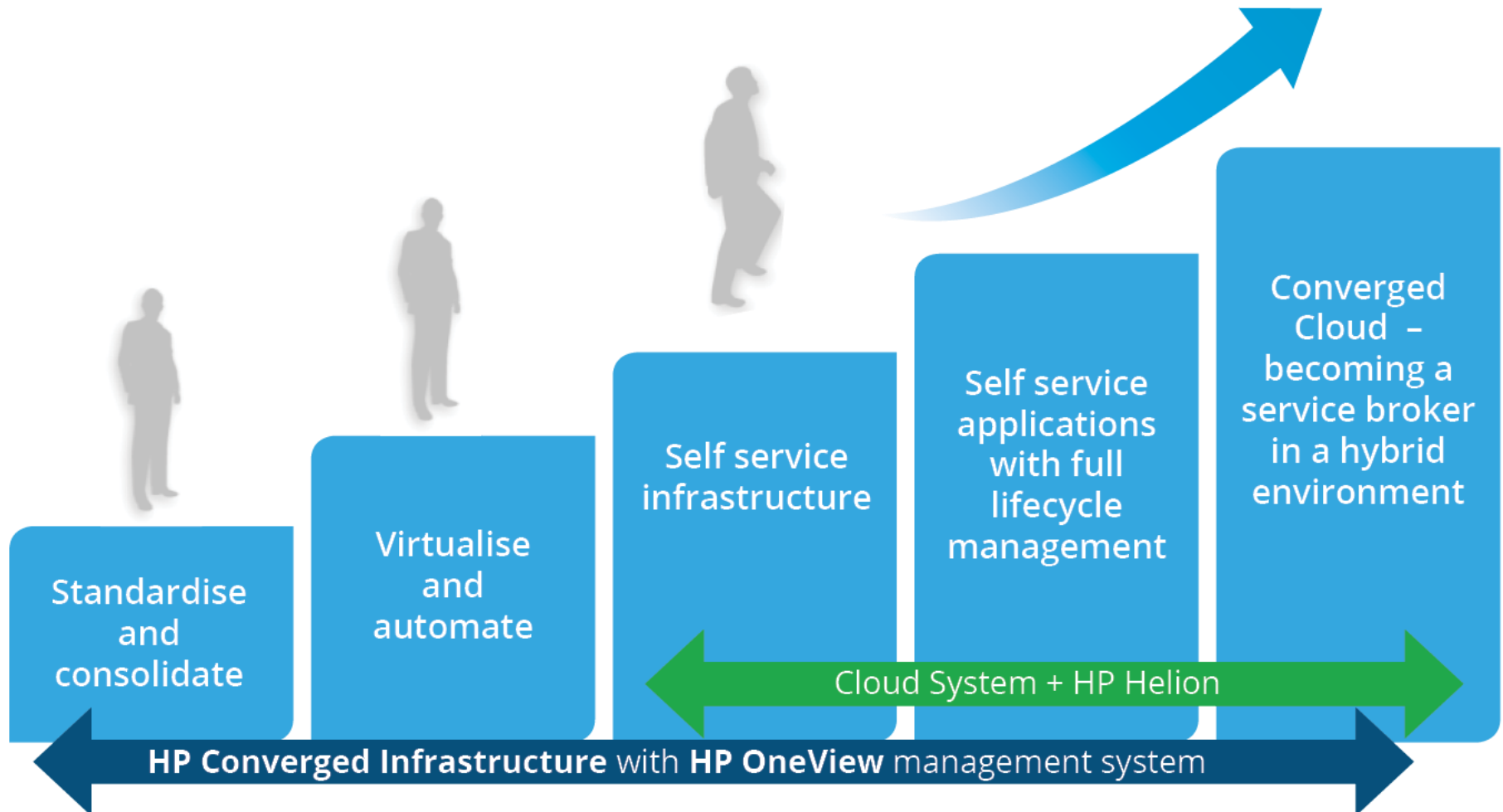

Smart search

Dashboard integration
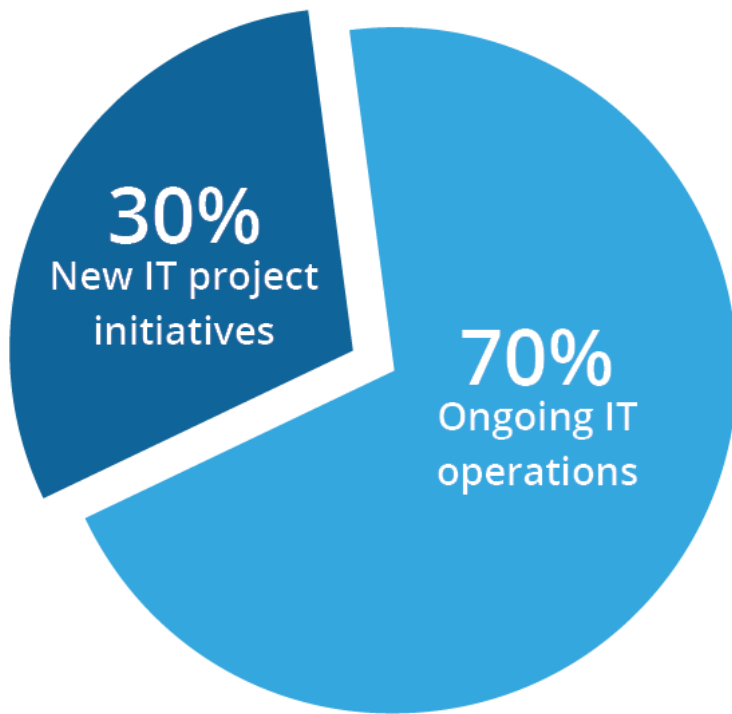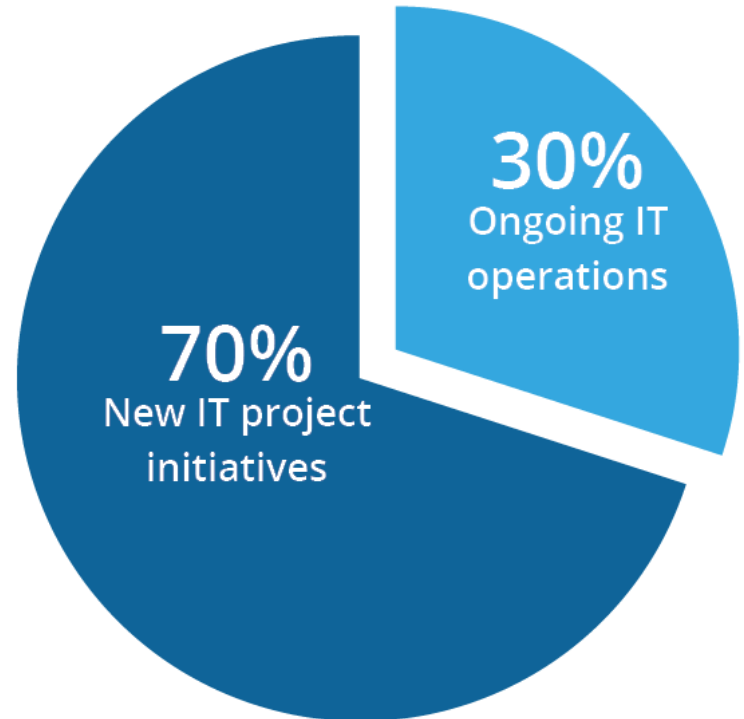
Map view

3D thermal & power

How to get there from here

Standardise and consolidate

Virtualise and automate

Self service infrastructure

Self service applications with full lifecycle management

Converged Cloud – becoming a service broker in a hybrid environment

Cloud System + HP Helion

HP Converged Infrastructure with **HP OneView** management system

Value: from sprawl to innovation

Current reality

30%
New IT project initiatives

70%
Ongoing IT operations

Future capability

70%
New IT project initiatives

30%
Ongoing IT operations

Impressive business results

TCO savings of **$12.9 million**

Decrease costs for desktops by **50%**

30% increase in stadium revenue

Further reading

Deliver your ITaaS vision   http://reg.cx/2bsF

Frost & Sullivan converged systems research   http://reg.cx/2bsJ

HP Converged systems   http://reg.cx/2bsL

HP One View   http://reg.cx/2bsM

Thanks for joining us

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