



21st century data protection

Get backup to date



Why are we here?

We're explaining why your back up and recovery processes need to adapt to way you work today, and how to do it.

On our Regcast today

Dave Barnes, **HP**

Tony Lock, **Freeform Dynamics**

Tim Phillips, **The Register**

1. DP is not just backup and recovery

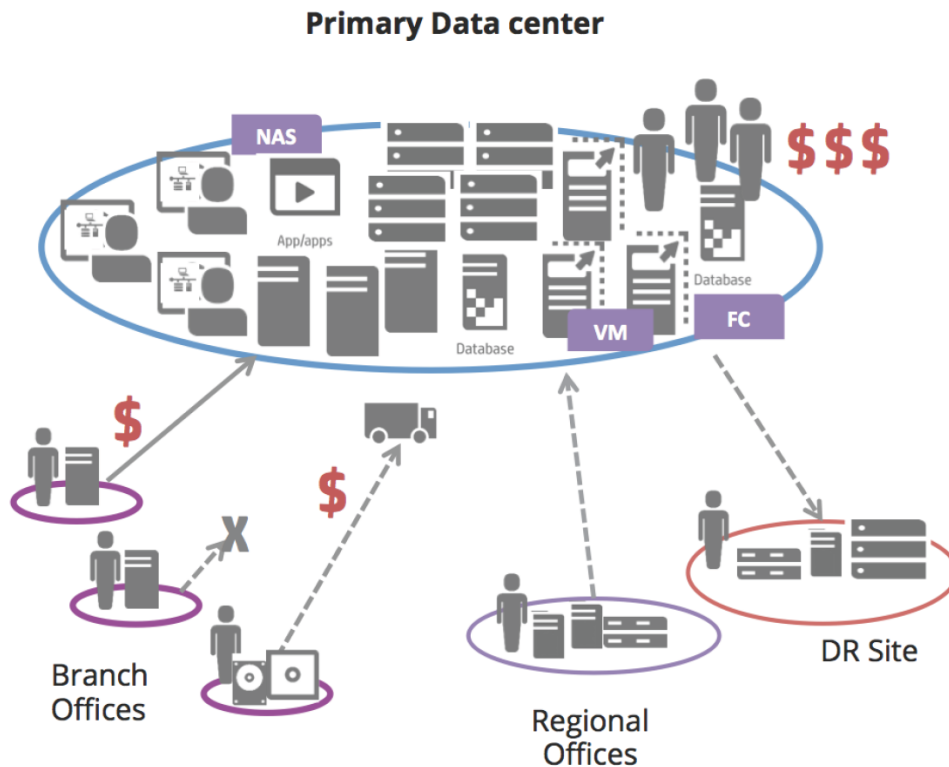
What Reg readers do today:

- Point fixes = complexity
- Fearful of risk, minimal budgets, uncertainty of what to do

Need:

- Labour-intensive ISV backup processes no longer good enough and cost loads
- Virtualisation
- Mobile and remote
- Higher expectations; eg from flash

Changes in the next three years?



Cost

Staffing
Multiple backup solutions
Constant storage purchases
to keep up with data growth



Risk

Missed SLA's
Backup windows too short
Failed Backup jobs
Stretched IT resources
Data security

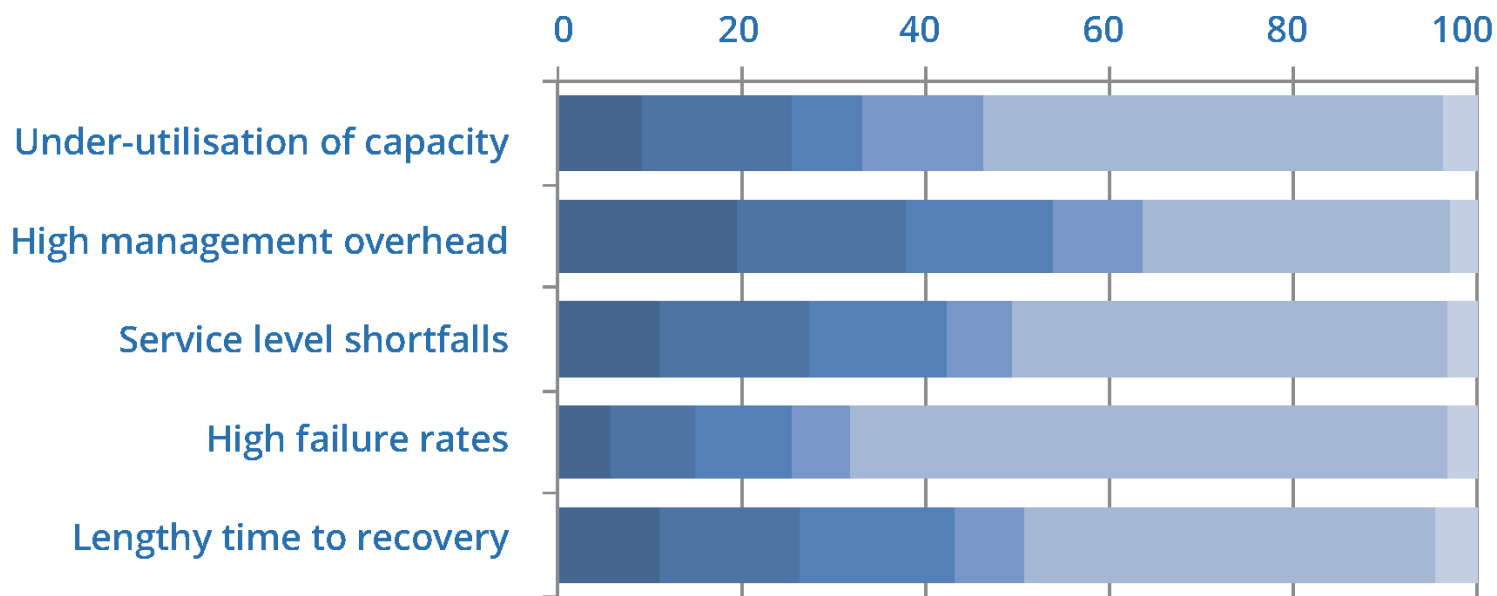


Complexity

Silos of data
Remote offices
Multiple solutions,
Multiple control points
Virtualized environments

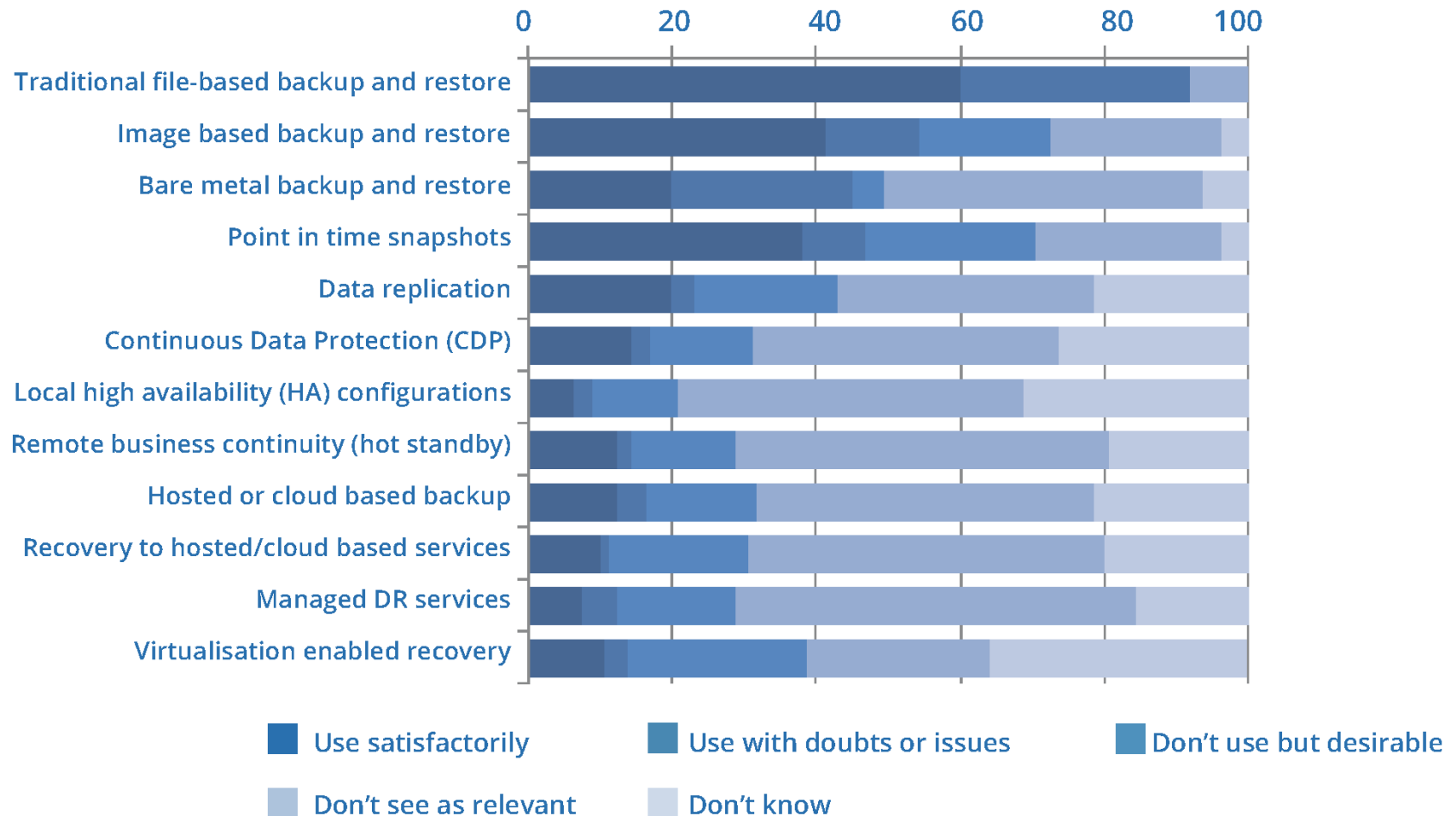


How would you describe the following challenges associated with your storage infrastructure and its management?

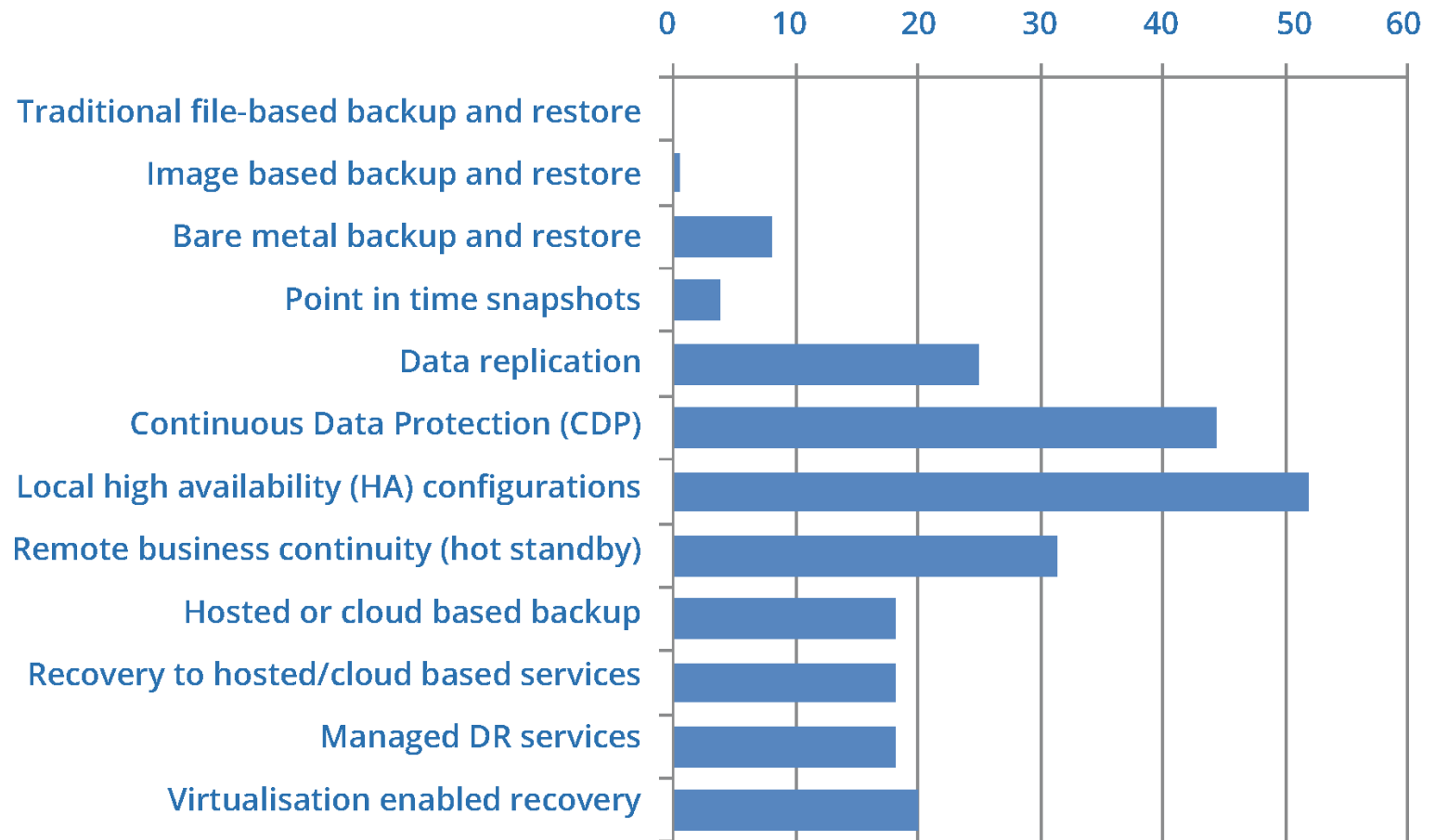


■ Significant ongoing problem ■ Ongoing distraction ■ Becoming an issue ■ Historical issue - now ok
■ No issue ■ Unsure/NA

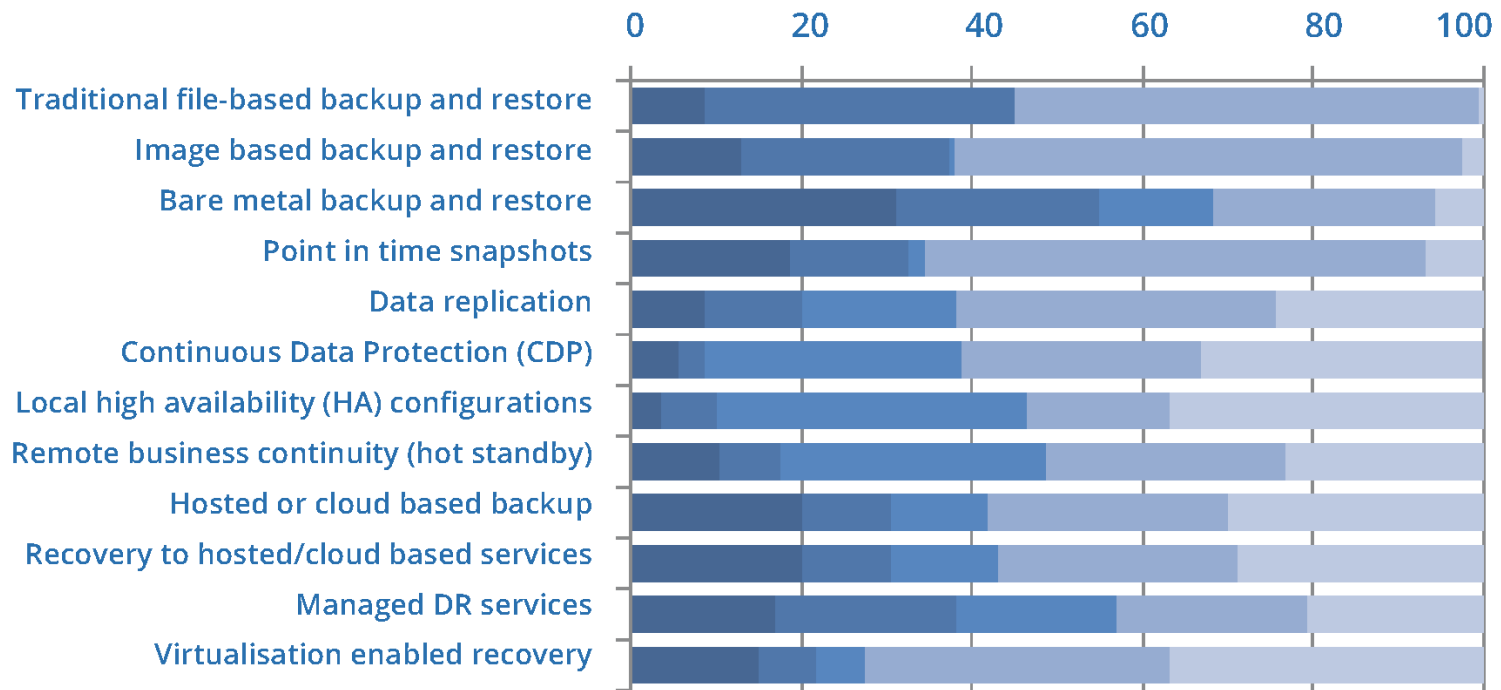
What is your experience or opinion of the following in the context of IT related disaster recovery?



Was a definition required for the following?



Would you be concerned about any of the following issues with the solutions and approaches we have been discussing?



■ Impractical in our environment ■ Ineffective for our requirements ■ Overkill for our requirements
■ No issues ■ No opinion

2. New architectures and options



Replication/
snapshots /
Remote Copy
/ CBR / active
and cold
archive



Reduce
volume of
backup data
stored

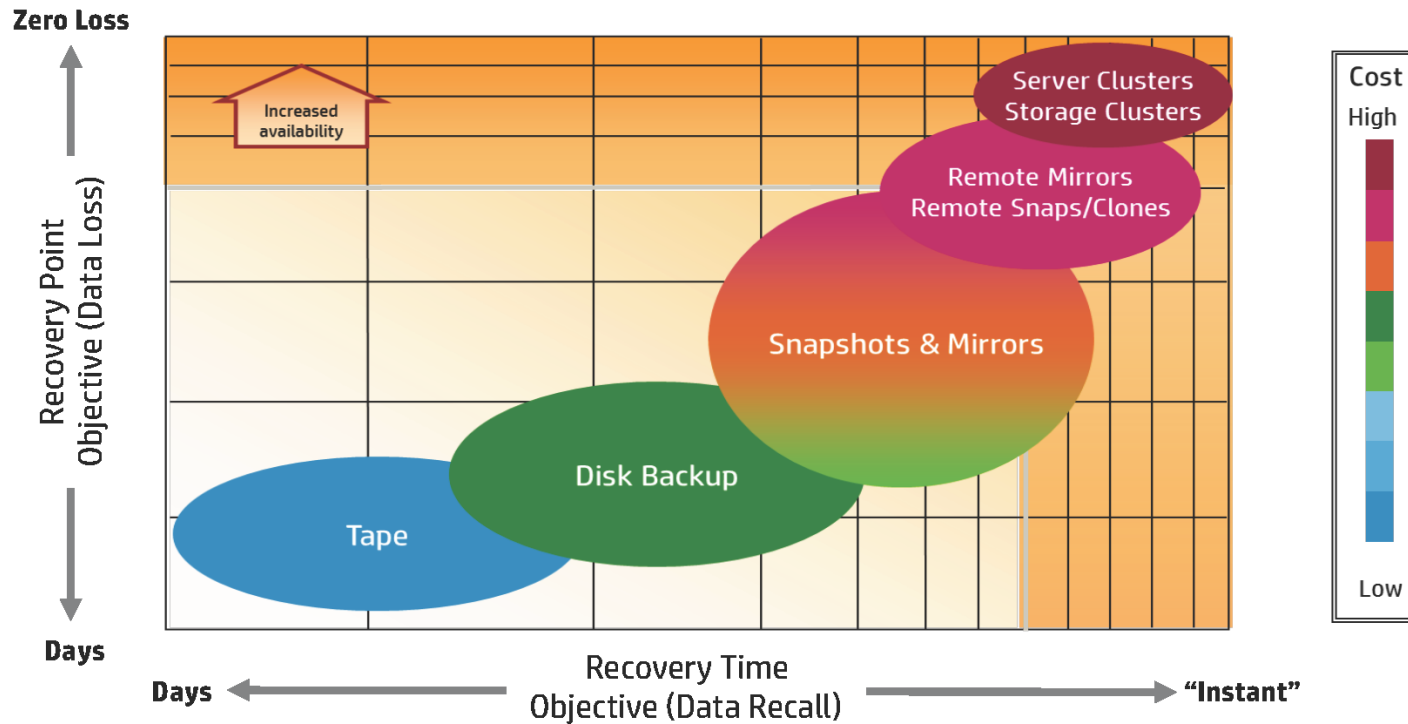


More efficient
technology to
move data



Eliminate
backup silos

The Application Availability Continuum



3. Evolution

- Processes to change BURAs
- Steps to identify need, discovery, classification
- Not just storage, processes for recovery

What should I consider?

Backup Process

How are you protecting it?



Complexity

Backup Targets

Where are you protecting it?



Remote Office & Corporate

Restore Process

How quickly can you get it back?



Recovery

Retention Needs

How long do you have to keep it?



Retention Period

Business Information

Can you extract value from it?



Insight

Expenditure

How much can you invest in it?



CapEx and OpEx

4. Business case

- How much are you spending to do it badly?
- Unquantified risk loss: 5% data not backed up
- Regulatory problem?
- What does the business need (not just expect)?

Backup Needs

Fast

Deliver on SLAs with fast, non-disruptive, application consistent backup and recovery

Reliable

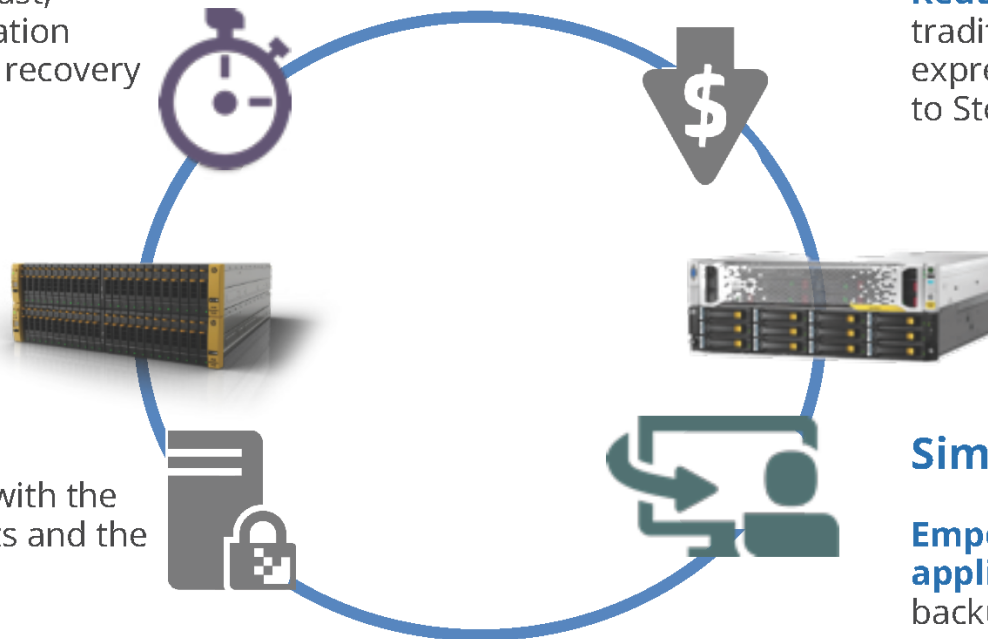
Protect applications with the availability of snapshots and the protection of backups

Efficient

Reduce cost and complexity of traditional ISV infrastructure with express backup direct from 3PAR to StoreOnce

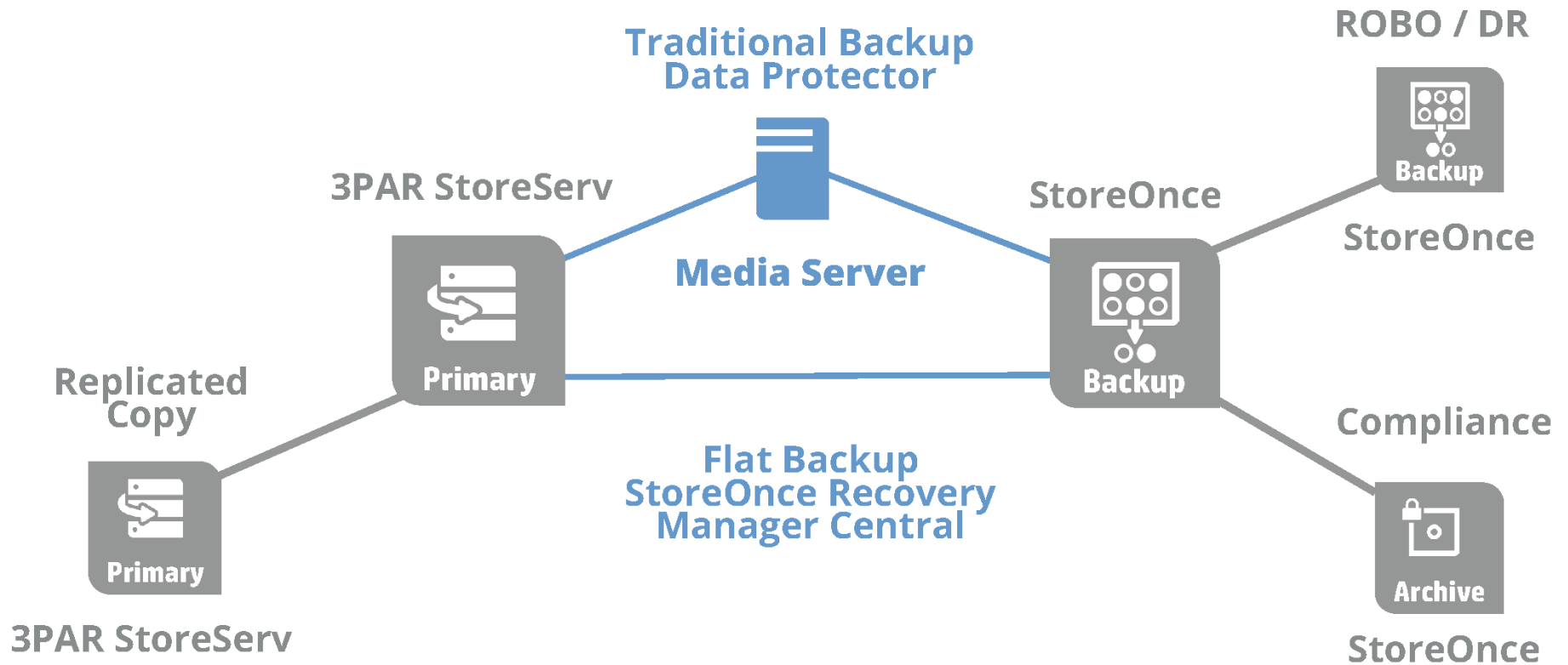
Simple

Empower hypervisor and application owners to control backup and recovery direct and seamlessly from their preferred native interfaces

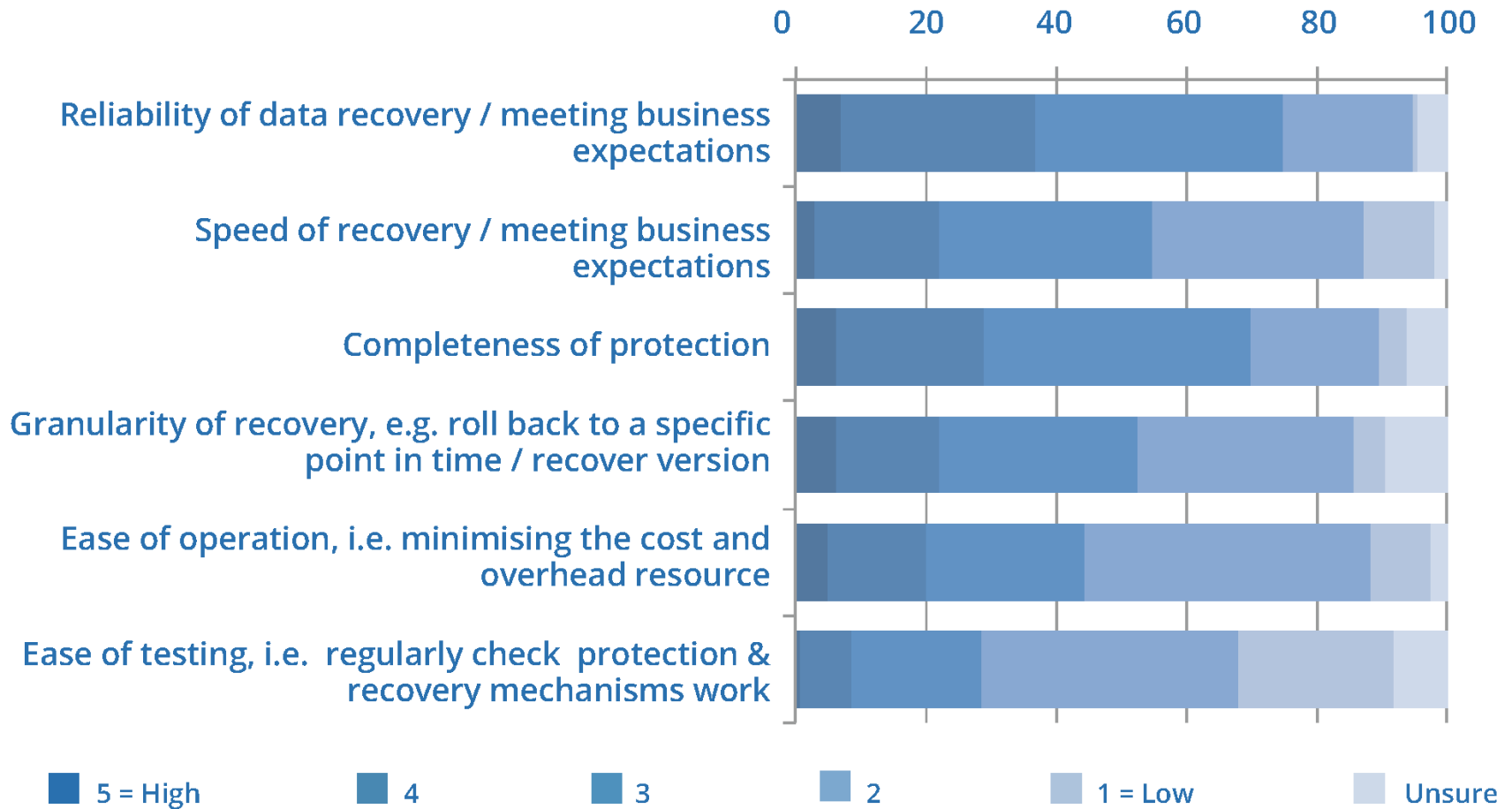


Welcome to Converged Data Protection

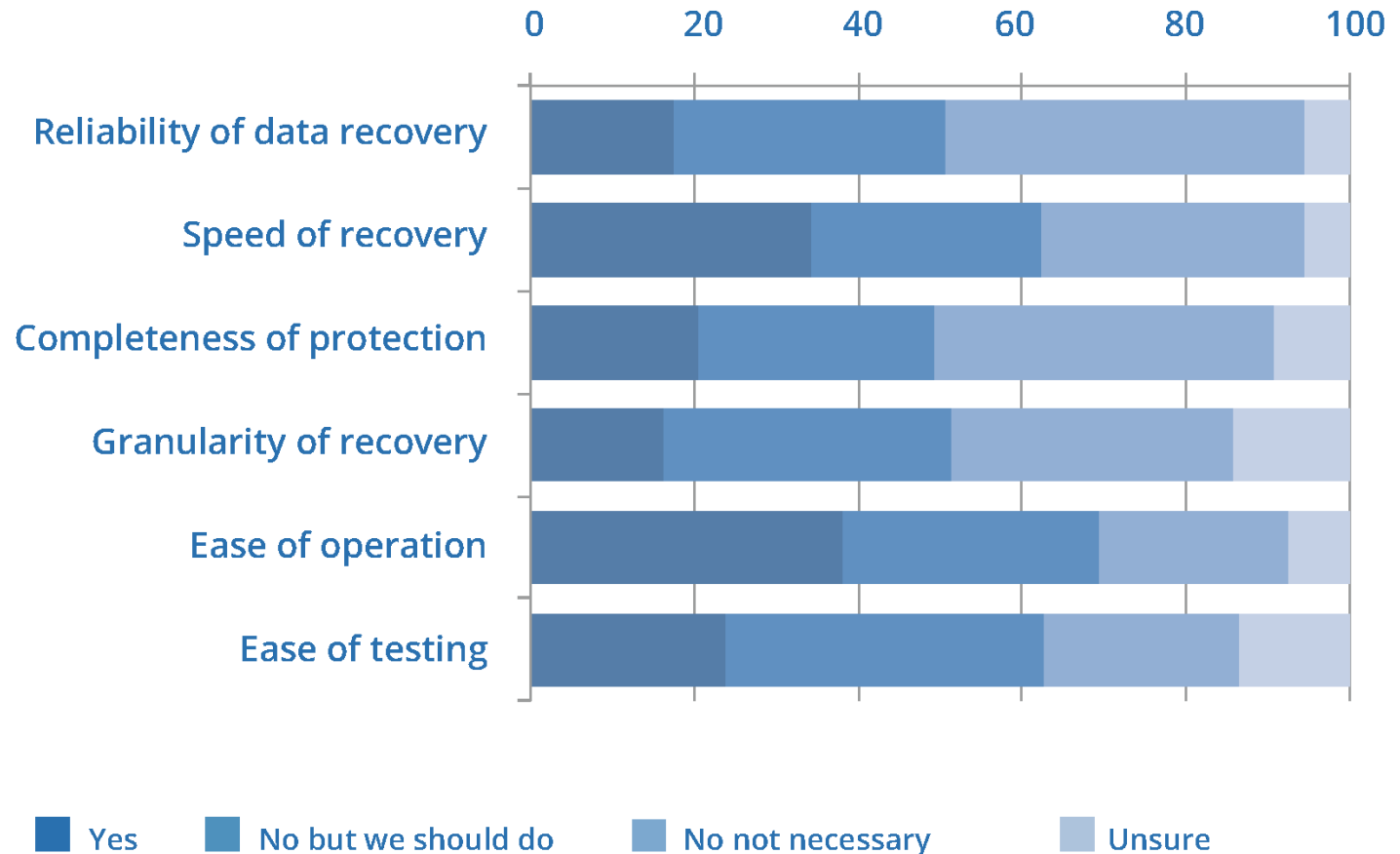
Converged Data Protection



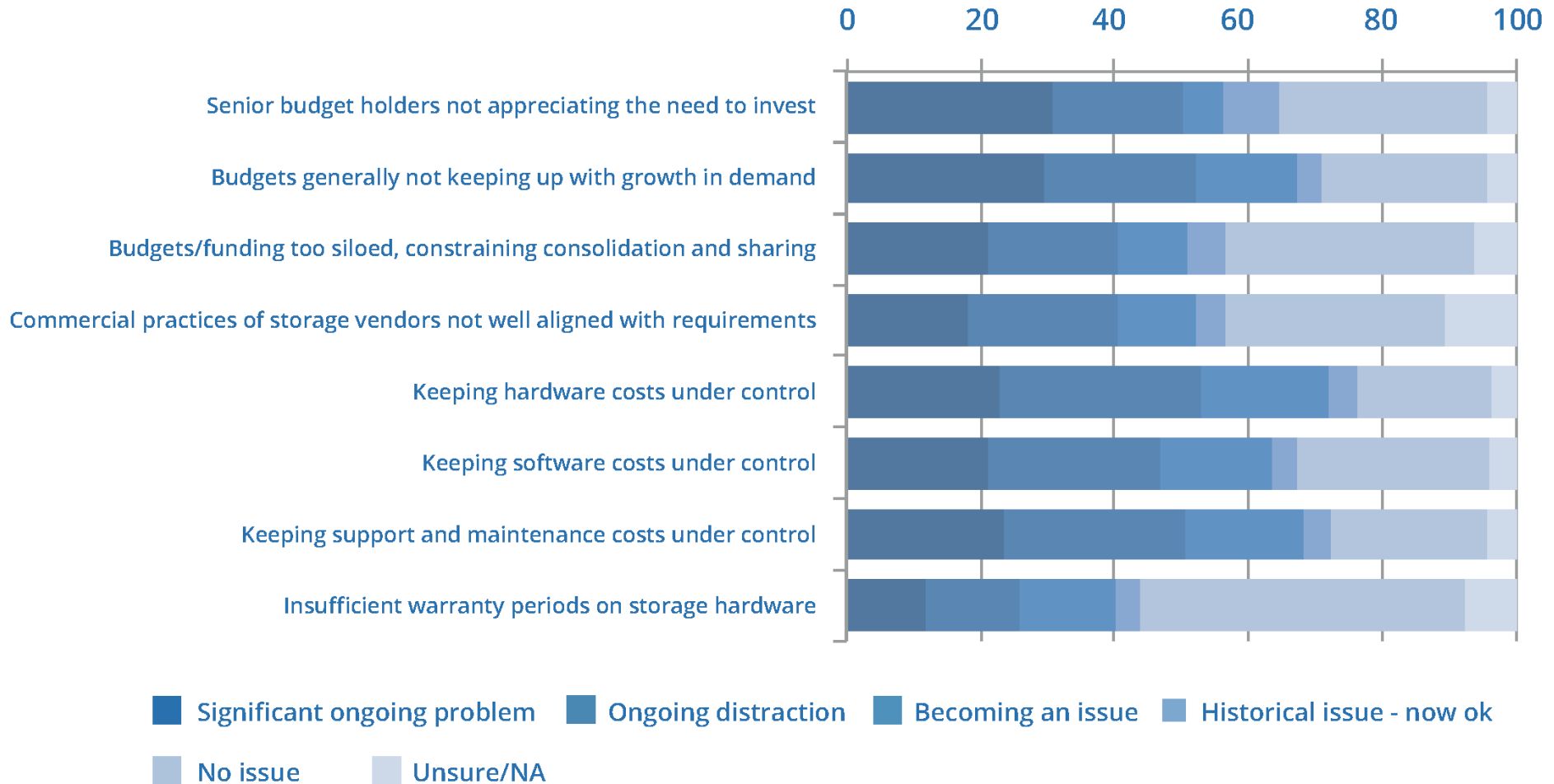
Considering the measures you have in place at the moment, how would you rate your current IT disaster recovery capability according to the following criteria?



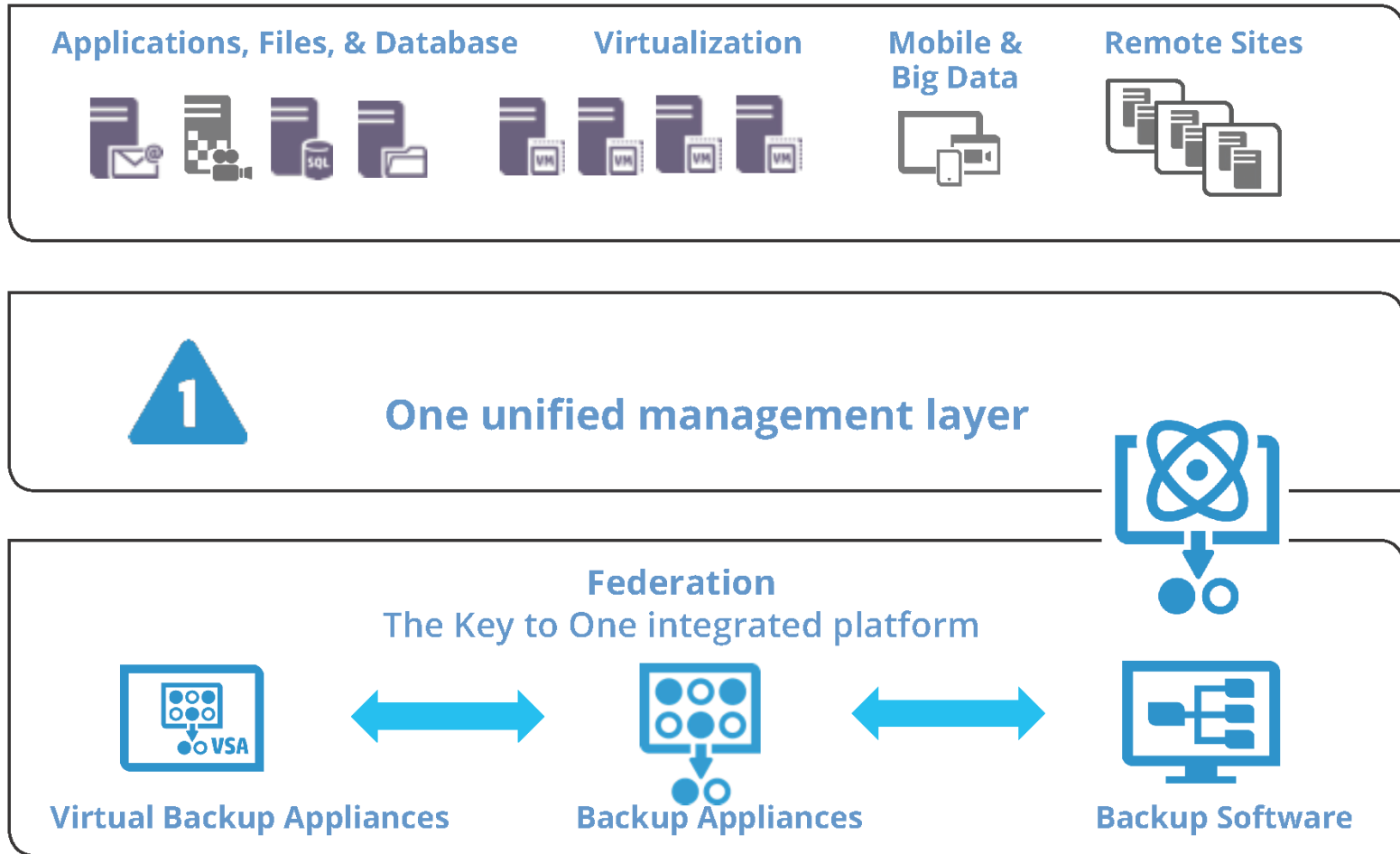
Are you reviewing requirements or prioritising improvements in relation to any of these criteria at the moment?



How would you characterise the following budget and commercial challenges in relation to your storage infrastructure?



A New World Architecture



Single Backup Platform: HP StoreOnce

ONE Architecture

From small sites to enterprise
Backup and replicate anywhere
Software, virtual and hardware appliances



StoreOnce inHP
Data Protector



6500
Series



Scalable to
1.7PB usable

4900 Series



4700 Series



4500 Series



2700 Series



VSA Series



1,4,10,50
TB usable



StoreOnce Catalyst

Backup App & Source Deduplication



StoreOnce Recovery Manager Central

StoreOnce RMC



Where to start to make BURAs better?



Data Discovery & Classification



Business 'SLA' Requirements



Current Capabilities? / New Options



Business Trigger to invest



Operational Process Modification

Further reading

The business value of HP Storage Solutions for backup, recovery, and archive
<http://reg.cx/2b2X>

Video: Backup, recovery and archiving
<http://reg.cx/2b2Y>

The HP solution to backup complexity and scale
<http://reg.cx/2dsN>

Regcast - Flash Storage: see the light
<http://reg.cx/2dsP>

Thanks for joining us



An archived version of today's event
will be made available on The Register
