Hewlett Packard Enterprise
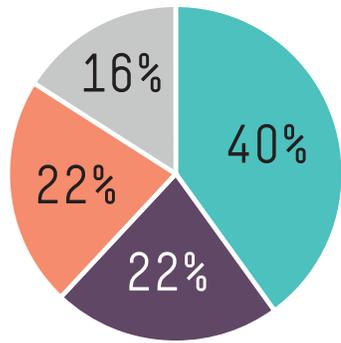
Cloud Ready storage—Health Check Guide

Use our guide as a health checklist on whether your storage is cloud ready—ready to support your cloud strategy. Assess your cloud strategy, then cross out (**X**) items you have stopped or doing less of and check (✓) items you are doing more of or started doing.

Hybrid IT with multicloud is the best cloud strategy

Where's your data?

40%
22%
22%
16%

■ On-premises 40%
■ Public cloud, 22%
■ Colocation, 22%
■ Other off-premises, 16%

It's everywhere...

aws

Microsoft Azure

Google Cloud

Bring it all together with

Cloud Ready storage

81%
of enterprises have a
multi-cloud strategy

35%
of cloud spend is wasted

61%
of enterprises running
production apps on cloud

#1
use for cloud storage is backup
and disaster recovery

42%
of enterprises use cloud storage
for backup or disaster recovery

Do less

☐	**Cloud gateway**	Cloud gateways are old technologies. They don't scale well nor do they enable apps to run on-premises and in the cloud.
☐	**Virtual cloud appliance or array**	Virtual cloud appliances run in the cloud, but do not eliminate the complexities of managing hardware. You should look for a service rather than managing virtual hardware.
☐	**Migration appliance**	Migrations appliances like AWS Snowball allows you to bulk transfer to the cloud. However, they don't enable **Hybrid IT**—nor do they help with managing your data.

Do better

☐	**Backup, DR, archive software**	Backup software is a good start and most have added support for cloud. But make sure data transfers are efficient, secure, and integrate with your storage and backup appliances.
☐	**Orchestration software**	Resource orchestration in **hybrid multicloud** world is key. However, you also need to make sure your data can move freely between on-premises and cloud.
☐	**Outsourced managed services**	Managed services allow you to outsource and become hands-off. Cloud is about self-service and enabling developers and lines of business to build and scale with agility.

Do more

☐	**Native cloud replication**	Use Cloud Ready storage for primary flash, secondary, and backup storage that has native cloud integration. Remove the costs and complexities of extra hardware or software.
☐	**Efficient and secure data transfer**	Cloud Ready storage should secure your data and reduce data transfer and egress costs using encryption, compression, deduplication, and other efficiencies.
☐	**Migrate production applications**	Move production databases and legacy apps without re-architecting for cloud native. Use Cloud Ready storage and enterprise-grade cloud storage that works with major cloud providers.
☐	**Secondary uses cases**	Test/Dev, analytics, and cloud bursting. Spin up/down multiple copies and easily move between on-premises and cloud with Cloud Ready storage.
☐	**Native backup and DR**	Backup and restore data to/from cloud, directly from your backup appliance. Your backup software can manage backup catalogs but your data transfer and recovery speeds can get much faster, using less bandwidth and at a lower cost.
☐	**End-to-end data protection**	Flash-to-disk-to-cloud end-to-end data protection. Integrated array snapshots to backup appliance to cloud extends protection and optimizes recovery times and costs.
☐	**DevOps/config automation**	Docker, Kubernetes, Ansible, Chef, Puppet—use Cloud Ready storage that integrates containers and automations tools to speed up DevOps and CloudOps.
☐	**Visibility, AI, and cost management**	Use predictive analytics and AI to provide global visibility across clouds and on-premises, reign in cloud spend, and lay the groundwork for an autonomous data center.