Hewlett Packard Enterprise

Protect your data—wherever it resides

Optimized data protection for Hybrid IT

Reduce risk and ensure resilience for your business-critical applications and data

The HPE optimized data protection for Hybrid IT solution delivers end-to-end protection and rapid recovery of your data—from the data center to the cloud

- Mitigate risk with reliable comprehensive protection of data wherever it resides—on traditional IT, private cloud, or public cloud

- Lower costs with cloud-ready long-term data retention and disaster recovery starting at just $0.001 per GB per month[1]

- Accelerate performance with flash-integrated data protection

- Improve efficiency with self-service application managed protection

- Reduce complexity with one partner for all your availability, data protection, and retention needs

- Optimize business value with advice, design, implementation and support expertise

[1] Assuming dedupe ratio of 20:1 and AWS (S3) standard object storage pricing of $0.02 per GB/Month

The threat and risk of data loss is growing

In an always-connected world, critical application failures can cost your business its future. Unplanned downtime and data loss can originate from many sources, including natural disasters, network or power outages, human error, or malicious acts.

Additional risk comes from costly, inflexible legacy infrastructure with inadequate data protection and disaster recovery models.

Best practice data protection is, therefore, a continuum that must cover a wide range of scenarios. No single technology can provide the complete solution.

Optimizing data protection for a Hybrid IT world

The shift to Hybrid IT delivery models doesn't eliminate core requirements around resiliency and risk. However, it does drive the need to rethink how you support a mix of traditional, private, and public cloud services while delivering all the protection you need—wherever you need it.

In a Hybrid IT world, you need an end-to-end solution that protects data across all consumption models and which delivers zero-impact, flash-speed protection while efficiently utilizing low-cost cloud storage for long-term retention and disaster recovery.

You need a partner to help you identify, select, and implement the right solution.

Hewlett Packard Enterprise can help.

23X
Faster backup[2]

15X
Faster restore[3]

20X
Reduced storage footprint.[4]

[2], [3] Compared to traditional backup environments

[4] Assuming dedupe ratio of 20:1

[5] Assuming dedupe ratio of 20:1 and the maximum logical capacity of HPE StoreOnce 6600 of 34 PB

[6] Assuming dedupe ratio of 20:1 and AWS (S3) standard object storage pricing of $0.02 per GB/Month

[7] The **3-2-1 rule** of best practice data protection prescribes that you should have three copies of your data, on two different media types, with one copy kept off-site.

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The HPE **optimized data protection for Hybrid IT** solution brings together industry-leading storage and data protection software coupled with services expertise to provide integrated end-to-end resilience and risk reduction from the data center to the cloud.

This proven and comprehensive solution covers the complete continuum of data protection with high availability, replication, snapshots, backup, disaster recovery, and archive.

As a result, you can reduce the risk of data loss and meet your recovery service-level agreements (SLAs)—preventing the financial or reputational costs that can be crippling to your business.

Flash-speed protection for Hybrid IT
Flash changes the game for Hybrid IT storage. But how can you ensure that data protection doesn't become a costly bottleneck for your flash workloads?

Get the most from your migration to flash by making data protection an application-integrated and cloud-ready function of flash storage.

HPE 3PAR Flash-Integrated Data Protection with HPE Recovery Manager Central and HPE StoreOnce provides application owners with flash speed protection while reducing cost and complexity.

Cloud-ready data protection for Hybrid IT
Cloud Bank Storage for HPE StoreOnce lets you leverage the economics, agility, and flexibility of the cloud for modernized data protection.

You can natively, securely, and cost-effectively move backup data to the public, private, or hybrid cloud—enabling long-term retention and reliable disaster recovery that is simple and efficient.

The solution sends, stores, and retrieves only unique data for lower TCO and is highly scalable—enabling the protection and retention of more than 100 PB[5] of backup data in your cloud of choice starting at one tenth of a cent per month.[6]

HPE and Veeam—comprehensive data protection for Hybrid IT
Industry-leading Veeam software integration with HPE storage solutions lets you create application-consistent backups from HPE storage snapshots for fast and efficient data protection.

For long-term external storage, HPE StoreOnce provides deduplication for efficient storage utilization and fault isolation for data.

Veeam can send backups to HPE StoreEver tape storage or to the cloud for long-term off-site data archival.

Veeam delivers everything you need to reliably protect your virtualized environments with high-speed and verified recovery, complete visibility, data loss avoidance, and leveraged data.
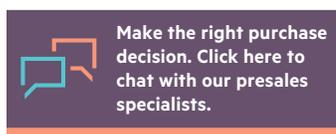
Veeam software products are available from Hewlett Packard Enterprise via the HPE Complete program enabling you to source all components of the **3-2-1** best practice data protection ecosystem[7] from a single vendor.

Leverage the expertise of HPE Pointnext
HPE Pointnext delivers numerous projects each year ranging from single-site to global, multi-site rollouts. Our services include:

- Advisory Services to envision and define a road map for future success

- Professional Services to design and implement the integration of infrastructure and software to deliver enterprise application continuity

- Operational Services to optimize your environment for long-term sustained application continuity

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