



# Build a robust foundation for cyber resilience

HPE StoreOnce Systems

# Transforming the simplicity, performance, and agility of your hybrid cloud data protection

## Data is your most valuable currency

We're living in an era of digital transformation, where the accessibility of emerging digital technologies enables you to reimagine your business in new ways—creating new experiences, new products and services, and new efficiencies. Data is the engine of your digital transformation and is your most valuable currency.

With new strains of ransomware and other malware threats on the rise and data continuing to grow from edge to the cloud, your enterprise and customer data are more at risk than ever. In this fast-morphing environment, organizations must act quickly to protect business-critical data. Attacks happen. It's not a matter of if, but when. As long as cybercriminals believe your data has value, they'll continue to exploit vulnerabilities and find innovative ways to encrypt critical data.

## Data protection is increasingly challenging

Data protection is a crucial line of defense against cyber threats. Secure backup images of critical business data and applications allow companies to roll back in time to recover applications and data before the point of ransomware infection. Including data protection in your cybersecurity framework is a requirement for cyber resilience.



# HPE StoreOnce systems

HPE StoreOnce System is an industry-leading purpose-built backup appliance providing rapid data backup and recovery along with cost-efficient long-term retention on-premises or in the cloud for your workloads. It provides you with the flexibility to select powerful dedicated appliances for data centers and virtual storage appliances for smaller deployments in remote and branch offices.

- **Robust foundation for cyber resilience**

HPE StoreOnce delivers comprehensive cyber resilience wherever data is located, whether it resides on-premises or across multi-cloud environments, and in traditional or modern workloads. It is designed and optimized for data protection, resulting in improved performance, efficiency, and security benefits that simplify operations, reduce cost, and mitigate risk.

- **Mitigate risks with comprehensive security features like**

- **Built-in encryption:** HPE StoreOnce provides encryption for data both at rest and in flight, preventing unauthorized access to data on disk
- **Immutability:** Configurable data immutability provides additional protection against malicious or unintended backup data deletion
- **Secure erase:** Enables users to delete confidential data securely and permanently
- **Multi-factor authentication:** Requires users to provide two or more verification factors to gain access to backup data or delete backups
- **Air-gapped protection:** Ability to write backups to tape and store backup data offline creating true air gapped protection against threats
- **Data integrity:** HPE StoreOnce Integrity Plus delivers data integrity throughout the lifecycle

- **Take control of data growth:** A scalable portfolio of physical and software-defined HPE StoreOnce systems provides you with a wide range of capacity points and up to 200 PB (effective capacity) PB<sup>1</sup> in a single system (HPE StoreOnce + HPE StoreOnce Cloud Bank Storage). HPE StoreOnce makes every gigabyte of your storage go further with intelligent deduplication that reduces your backup costs and footprint with 60:1 data reduction<sup>2</sup> on-premises and in the cloud. Some of the additional benefits include reduced network bandwidth cost, enhanced backup performance, and ability to retain more data with predictable cost at cloud scale

- **Efficient backup target for small and medium enterprises**

The new HPE StoreOnce 3720 and HPE StoreOnce 3760 deliver affordable data protection for small branch and remote offices to medium-sized enterprises and service providers. These ultra dense backup appliances can scale from 18 TB to 216 TB in a 2U Form Factor. These new appliances save on data center space (up to 67%)<sup>3</sup> and power consumption (up to 29%)<sup>4</sup> by using a single chassis design rather than having additional drive expansion enclosures. This makes larger capacity configurations simpler and reduces cost to deploy and operate. HPE StoreOnce 3720 also provides (up to 68%)<sup>5</sup> lower starting capacity entry option making it more affordable to deploy for smaller site requirements.

<sup>1</sup> Up to 60:1 data reduction of protected data on local and cloud storage

<sup>2</sup> Up to 60:1 dedupe ratio as compared to a fully hydrated backup

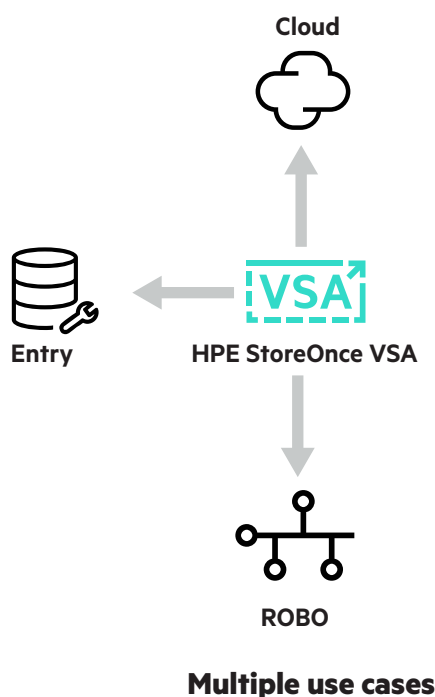
<sup>3</sup> Comparison of fully populated HPE StoreOnce 3760 with HPE StoreOnce 3660

<sup>4</sup> Comparison of maximum configuration power consumption of HPE StoreOnce 3760 with HPE StoreOnce 3660

<sup>5</sup> Comparing the minimum local usable capacity of HPE StoreOnce 3720 with HPE StoreOnce 3660



- **Help optimize cloud investment:** HPE StoreOnce with HPE StoreOnce Cloud Bank Storage delivers simple, efficient, and reliable backup to the cloud. It lets you seamlessly cloud-enable your storage, backup, and enterprise apps, as well as natively integrate your choice of cloud service provider without the need for a separate gateway or virtual appliance. You can reduce the time, cost, and network bandwidth for your cloud storage with highly efficient deduplicated data transfer as well as store encrypted, self-describing backup data for long term retention. Users can store up to 2x usable capacity of the HPE StoreOnce System in the cloud with HPE Cloud Bank Storage.
- **Reduce complexity:** HPE StoreOnce takes the time and stress out of data protection, reducing management time with multisystem and multisite visibility and management—from a single pane of glass. It empowers your application owners with self-service protection, enabling them to easily and efficiently control end-to-end protection for their applications—from the data center to the cloud—using familiar native user interfaces.
- **Experience agile software-defined protection for virtual and cloud environments:** HPE StoreOnce VSA extends the deployment options for HPE StoreOnce with the agility and flexibility of a virtual appliance, removing the need to install dedicated data protection hardware. All the features of the purpose-built HPE StoreOnce systems are available in a software-defined backup target of up to 500 TB usable capacity, which can be configured in 1 TB increments. An HPE StoreOnce VSA license server simplifies license management for large or dynamic virtual storage appliance (VSA) deployments (Figure 1).



**Figure 1.** Software-defined protection for virtual and cloud environments

- **Integrated ecosystem:** HPE StoreOnce is integrated with a rich ecosystem of leading backup independent software like Commvault and Veeam and backup applications. Users can start protecting their workloads without changing their existing backup software. The extensive compatibility testing program from Hewlett Packard Enterprise helps ensure that HPE StoreOnce systems work with leading operating systems, data protection software, and business applications.
- **Protect your edge sites with HPE SimpliVity integration:** Additional protection for your HPE SimpliVity deployments at distributed edge sites with automated, application-aware policies to seamlessly replicate apps and data directly to a centralized HPE StoreOnce appliance for compliance and long-term retention.

## Summary

As data grows at an exponential rate, enterprises will need to modernize their data protection edge to cloud to protect their workloads. HPE StoreOnce helps to keep your data protected while reducing cost, risk, and complexity. Protecting your data at the edge, on-premises, and in the cloud will enable you to meet demanding SLAs—keeping your business moving ahead.



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