

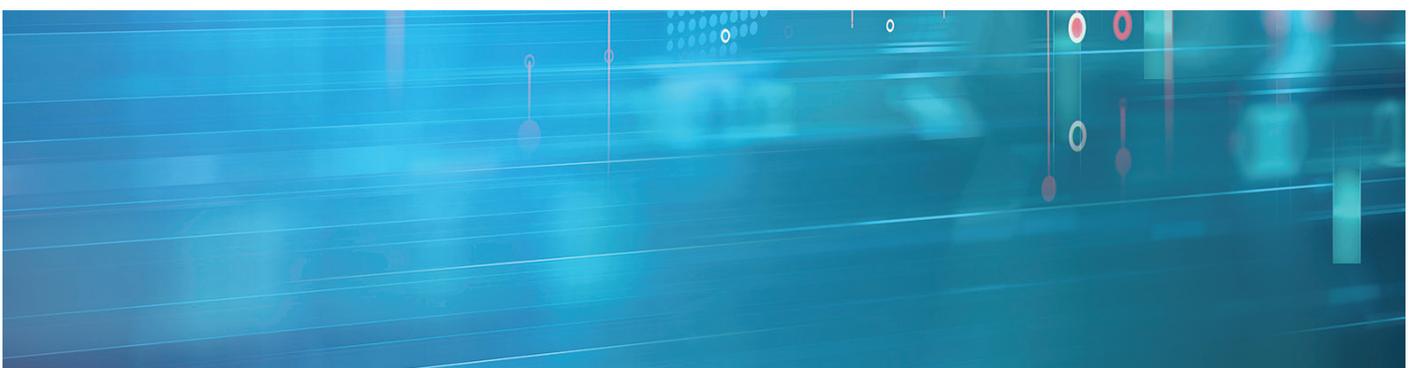


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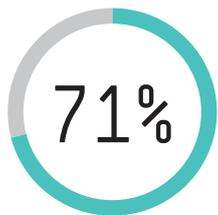
# Protect more data, faster for less

HPE StoreOnce next-generation platform



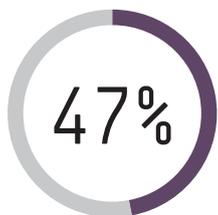
# Transforming the simplicity, performance, and agility of your Hybrid IT data protection

## Protecting data is increasingly challenging



of organizations can only tolerate less than one hour of downtime for high-priority applications before invoking a failover.<sup>1</sup>

A company is hit by ransomware every



of organizations are not confident that their backup and recovery processes are sufficient for their hybrid environment.<sup>3</sup>

## Data is your most valuable currency

We're living in an era of digital transformation, where the accessibility of emerging digital technologies enable 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.

Your organization depends on data to be instantly available and secure—wherever and whenever you need it. And in an always-on world, the financial and business impact of unplanned downtime and data loss can prove catastrophic.

## Data protection is increasingly challenging

As the value and business-criticality of data increases, the challenges of protecting data are tougher than ever. Exploding data growth and copy data sprawl, demanding service-level requirements, and an evolving threat and compliance landscape are putting pressure on costs and intensifying risk. What's more, as you transform to Hybrid IT, protecting applications across your data center and the cloud can prove increasingly complex.

It's time for a more intelligent approach.

## Next-generation HPE StoreOnce

The new, next-generation **HPE StoreOnce system** provides a built-for-cloud data protection platform that can scale from small remote offices to the largest enterprises and service providers. Next-generation HPE StoreOnce can help you reduce cost, risk, and complexity with flash-speed protection in your data center, as well as deliver low-cost archive and disaster recovery in the cloud.

- **Help optimize cloud investment:** HPE StoreOnce with HPE 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 by 20X<sup>4</sup> with highly efficient deduplicated data transfer as well as store encrypted, self-describing backup data for simple cloud disaster recovery.



**HPE StoreOnce and HPE Cloud Bank Storage**

<sup>1</sup> Real-world SLAs and Availability Requirements, ESG Master Survey Results, May 2018

<sup>2</sup> **Must-Know Ransomware Statistics 2017**, Barkly, June 2017

<sup>3</sup> 2018 Frost & Sullivan survey of IT decision-makers

<sup>4</sup> Assuming dedupe ratio of 20:1 as compared to a fully hydrated backup

**Figure 1.** Cloud backup made simple with HPE StoreOnce and HPE Cloud Bank Storage

- Take control of data growth:** A scalable portfolio of physical and software-defined HPE StoreOnce backup appliances provides you with up to 10X more capacity<sup>5</sup> with a wide range of pay-as-you-grow capacity points and up to 104 PB<sup>6</sup> in a single system. HPE StoreOnce makes every gigabyte of your storage go further with intelligent deduplication that reduces your backup costs and footprint by 95%<sup>7</sup> on-premises and in the cloud. Guaranteed.<sup>8</sup>

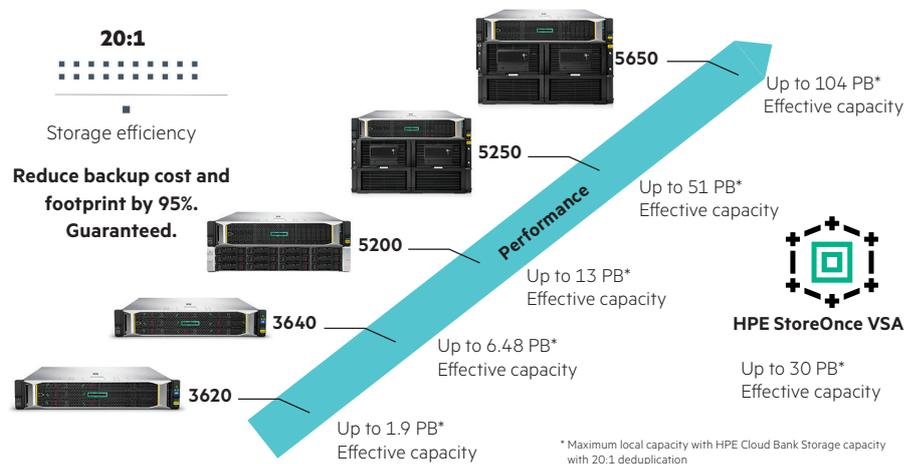


Figure 2. Take control of data growth with HPE StoreOnce next-generation platform

- Deliver on service-level agreements (SLAs):** HPE StoreOnce helps you break the backup window with up to 3X<sup>9</sup> faster performance and industry-leading backup speeds of up to 288 TB/hour.<sup>10</sup> Direct backup from your **HPE 3PAR** or **HPE Nimble array** to HPE StoreOnce with HPE Recovery Manager Central (RMC) delivers 23X faster backup and 15X faster recovery for your enterprise apps.<sup>11</sup> This backup comes with less cost and complexity, as well as having minimal impact on your production environment.
- Get comprehensive protection against any threat:** HPE StoreOnce gives you the confidence that your data is recoverable with a data protection platform that is reliable by design. Mitigate threats with 3-2-1 data protection<sup>12</sup> best practice, encrypted backups, data integrity checks, role-based access control, fast restores, and high availability storage of last resort. Make backups invisible to ransomware attacks with the highly reliable HPE StoreOnce Catalyst protocol.
- Reduce complexity:** HPE StoreOnce takes the time and stress out of data protection, reducing management time by 95%<sup>13</sup> 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.

<sup>5</sup> <sup>9</sup> HPE StoreOnce VSA 4.x vs. HPE StoreOnce VSA 3.x

<sup>6</sup> Assuming 20:1 deduplication of protected data on local and cloud storage

<sup>7</sup> Assuming dedupe ratio of 20:1 as compared to a fully hydrated backup

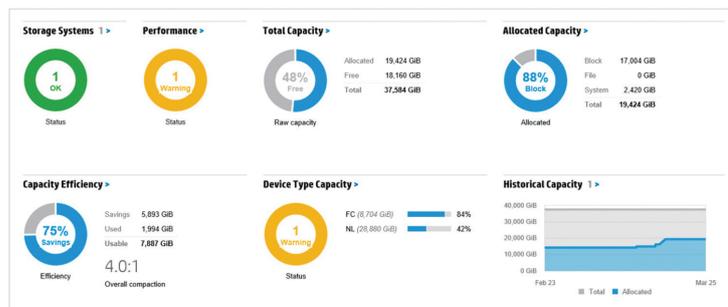
<sup>8</sup> **HPE StoreOnce Get Protected Guarantee Program**

<sup>10</sup> HA federated 8-node system using HPE StoreOnce VSA

<sup>11</sup> Based on HPE testing comparison between HPE RMC and traditional backup environments, June 2017

<sup>12</sup> The 3-2-1 data protection best practice prescribes that you have three copies of your data, on two different media types, with one copy kept off-site

<sup>13</sup> Based on management of federation of 20 next-generation HPE StoreOnce appliances compared to management of 20 HPE StoreOnce Gen3 appliances independently (on cloud or on-premises)



**Multisystem, multisite visibility, and management—from one single pane of glass**

Figure 3. Monitor and manage your data protection with ease



- Experience agile software-defined protection for virtual and cloud environments:** HPE StoreOnce VSA extends the deployment options for 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 VSA deployments.

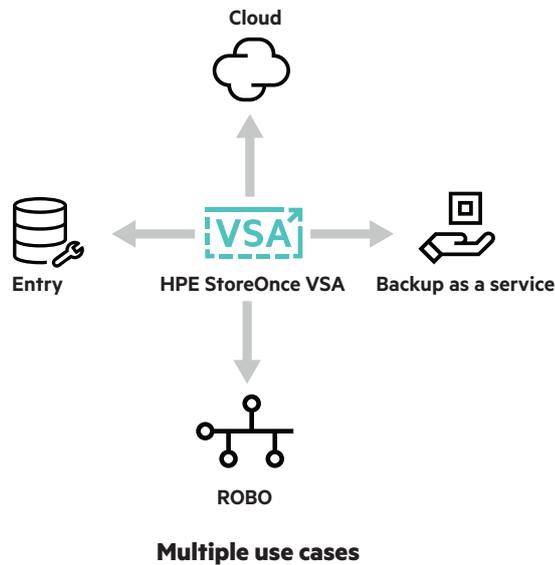


Figure 4. Software-defined protection for virtual and cloud environments

- Gain consumption-based backup on-premises:** Pay-per-use consumption models and **Flex Capacity** planning strategies with HPE GreenLake backup are now enhanced with next-generation HPE StoreOnce. Benefit from the advantages of the on-premises cloud with a usage-based billing model that aligns and grows with your business needs. Experience trouble-free data protection with a complete backup solution that is designed, operated, and implemented by **HPE Pointnext**.
- Protect your data your way:** HPE StoreOnce delivers investment protection and helps eliminate lock-in with a choice of physical or software-defined deployment, flexible-as-a-service consumption, and provides broad and deep integration across a rich ecosystem of market-leading ISV partners.

Learn more at [hpe.com/storage/storeonce](https://hpe.com/storage/storeonce)

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## Summary

The next-generation HPE StoreOnce platform delivers end-to-end protection as you evolve to Hybrid IT—natively linking your primary, secondary, and private/public cloud storage. This lets you easily and efficiently leverage the economics and agility of the cloud for archive or disaster recovery, while continuing to use your on-premises infrastructure for fast and reliable operational recovery.

Find out where you are today, and where HPE StoreOnce can take you tomorrow, **with a free data protection assessment from HPE.**

**Next-generation HPE StoreOnce provides intelligent data protection for an all-flash, Hybrid IT world.**

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