



# Modernize hybrid cloud data protection

**Learn about HPE GreenLake for Backup and Recovery for backup as a service that simplifies data protection for on-premises and cloud-native workloads across hybrid cloud.**

Data is the lifeblood of any organization. Data loss and application disruptions can take a significant toll on organizations of every size. Much like turning on a car engine, we simply expect data to be available when needed. But think about the last time your car didn't start and how suddenly everything changed. It's the same for data—no one pays much attention until it is unavailable or hijacked in cyberattacks like ransomware.

In many ways, traditional backup and recovery have been pushed to their limits. It can't solve today's problems, let alone address the demands of tomorrow. Today's backup and recovery offerings are a fragmented mix of point solutions for backups, target storage, and long-term data retention. This makes for a complex scenario and is less than optimal. Each of these silos is designed on proprietary hardware and/or software that has its maintenance and support contracts. In many cases, you can only perform backup jobs once a day, with such jobs sometimes bleeding into your production windows. The result? Performance degradation. And should recovery be necessary, it can take multiple hours, which is inefficient and can have a serious revenue impact, which is a recipe for business tragedy should disaster strike.



## Modernizing your backup and recovery

Modern data protection, by contrast, is key to keeping pace with today's changing hybrid cloud environments and ensuring data and applications achieve always-on availability. Modern data protection solutions simplify operations with cloud operational experience, meet demanding service-level agreements (SLAs), and neutralize threats helping customers quickly back up and recover their data and maximize the value of their backup data, all while reducing costs.

HPE GreenLake for Backup and Recovery is backup as a service designed for hybrid cloud. It simplifies how you protect your on-premises VMware® virtual machines (VMs) and cloud-native workloads like Amazon EBS volumes and EC2 instances across hybrid cloud, bringing with it the cloud experience and flexibility of software delivered as a service.

We have been constantly working on adding new features and capabilities to the service and we thank our customers who had helped with their feedback.

We have made significant enhancements to the service based on your feedback. We are excited to extend the scope of this service to protect on-premises Microsoft SQL Server database<sup>1</sup> and Amazon RDS<sup>1</sup> (Relational Database Service).

HPE GreenLake for Backup and Recovery enables you to consistently protect on-premises VMs or cloud-native workloads with Global Protection Policy, helping eliminate data silos, multiple administrative touch points, and point solutions delivered on a secure platform with built-in protection from ransomware and other threats.

## Protect in minutes

With HPE GreenLake for Backup and Recovery, there is no hardware or software to size, configure, manage, or even buy. Instead, a single service seamlessly protects VMware VMs, Microsoft SQL Server database, and Amazon EBS, EC2, and RDS.<sup>2</sup> No scripts or code to develop—just with a few clicks, start your protecting your workloads in minutes.

A single cloud console manages all your backup and recovery operations. This is intuitive and extremely easy to use. The cloud console has a dashboard that provides a quick view of protection status and the need to take actions to ensure protection.

<sup>1</sup> Protection of Microsoft SQL Server and Amazon RDS will be available from July 2023

<sup>2</sup> In the first release for Amazon RDS protection—The service supports snapshot orchestration of the Amazon RDS instance within the customer's AWS account and the ability to recover from that snapshot

## Delivers unmatched storage efficiency

This service incorporates proven HPE StoreOnce Catalyst technology, which provides space-efficient backups enabling HPE GreenLake for Backup and Recovery to deliver better storage efficiency compared to alternate backup solutions—up to 8x better storage efficiency or the need to use as less than 15% of the capacity other protection solutions require.<sup>3</sup>

Storage efficiency benefits include:

- Less storage to purchase and manage for backup data
- Reduced network bandwidth costs
- Faster finish time for backups
- Users can retain more with predictable costs and cloud scale

With this service, you get flexibility to choose between, pay-as-you-go<sup>4</sup> experience, or a fixed commitment for 1–5 years to get the lowest unit price. There are no complex licenses, cloud infrastructure to manage, hidden costs, forecasting, and lack of pricing visibility. The pricing is transparent and simple, where you only pay for what you consume, helping eliminate overheads and lowering your overall TCO.

## Secure by design

HPE GreenLake for Backup and Recovery further improves the reliability of backup data with security features including:

- **Backup data encryption:** In transit and at rest, making backup copies inaccessible and unreadable should they be compromised
- **Configurable backup data immutability:** Stopping backup data from being deleted or modified before the configured retention date
- **Dual authorization:** Preventing users from deleting recovery points without the second approver

This service enables to store your backup data outside your production environment in an air-gap manner, helping ensure that hackers or cybercriminals cannot compromise the backup copies.

<sup>3</sup> Based on HPE internal testing conducted in October 2022 comparing HPE GreenLake for Backup and Recovery with four competing on-prem and AWS cloud-native backup solutions.

<sup>4</sup> May be subject to minimums or reserve capacity may apply



## Integration with HPE StoreOnce for on-premises protection

This integration with HPE StoreOnce systems provides users with an alternative to the service defined as on-premises protection store.

For many users of the HPE GreenLake for Backup and Recovery, the service-defined on-premises protection store, which consumes resources from the user's VMware vCenter® environment, is an effective and simple solution. For other users, HPE StoreOnce is a better choice to store on-premises recovery points when there's:

- A requirement for a large capacity of on-premises backup
- A single primary storage system where the recovery points need to be stored on a separate system for protection against storage system failure
- An all-flash environment where the backup storage performance requirements can be met with lower cost media
- An existing HPE StoreOnce customer with available capacity in the user environment

## Evaluate HPE GreenLake for Backup and Recovery for free

You can evaluate the HPE GreenLake for Backup and Recovery service with no obligation and a [free 90-day evaluation](#) and experience the benefits. All features\* of the service with HPE support are available during the evaluation, and after evaluation, you can easily purchase the subscription.

## The bottom line

Data plays an increasingly important role in today's modern enterprise. As organizations leverage the hybrid cloud to grow and innovate, the volume of data requiring protection continues to expand, and providing that protection becomes more complex and costly. When architecting a data protection strategy and evaluating new technologies, a modern backup as a service like HPE GreenLake for Backup and Recovery offers cost efficiency, simplicity, performance, scalability, and future readiness.

## Resources

- [IDC paper](#)
- [Infographic](#)
- [Solution brief](#)

[Watch the demo video on hybrid cloud data protection with HPE GreenLake for Backup and Recovery Service](#)

## Learn more at

[HPE.com/us/en/storage/data-protection-solutions/backup-recovery.html](https://hpe.com/us/en/storage/data-protection-solutions/backup-recovery.html)

\* Protect up to 5 TB of data in the cloud during the evaluation period.

Visit [HPE GreenLake](#)



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