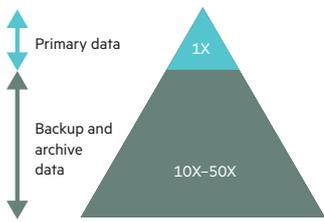# HPE GreenLake Backup

Back up on-premises and on-demand

Backup data growth pain point

Before deduplication, the size of backup data can be 10 to 50 times the size of your primary data based on backup policies.

- Cloud-like on-demand backup
- On-premises security and performance
- Pay per use based on actual backup utilized

Why choose between on-premises and on-demand for backup?

You can have both with HPE GreenLake Backup.
Data growth is one of the biggest pain points of IT organizations today. As primary data grows so does the capacity required for backups. Capacity planning for backup is time consuming, complex, and difficult to get right, especially as you must also consider the nature of that data—is it business-critical—and the network it'll be running on.

There are two common approaches to planning for backup capacity. One is to overprovision the backup environment to play it safe and have enough when needed. With it comes long procurement cycles and significant capital outlays. This approach is chosen if data privacy, security, control, and governance are key priorities.

The other approach is backup in a public cloud—a fundamentally different model that changes IT from a capital to a consumption-based expense. It allows you to scale rapidly without predicting capacity and offloads much of the undifferentiated heavy lifting that comes with operating a data center. With this approach, you lose control and may introduce data privacy, protection, and security issues. You also may not be able to access your backups when you need them due to network issues—specifically WAN bandwidth and latency issues tied to off-premises storage.

HPE GreenLake Backup removes the burden of this choice. It combines the simplicity, agility, and economics of public cloud with the security and performance benefits of an on-premises backup environment.

HPE GreenLake Backup provides a real end-to-end backup solution, including the required hardware, software, and services, with a unique, new metering and billing unit: Front-End Terabyte.

Your actual backup usage is metered and billed monthly as a service. You only pay for what is used. Additionally, when available capacity runs low, additional capacity is automatically provisioned ahead of demand.
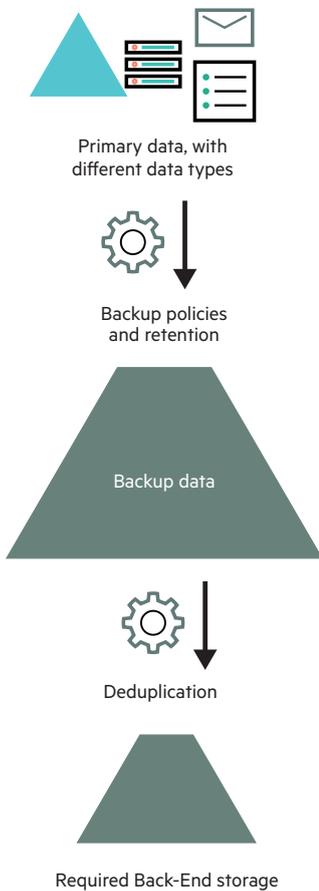
All the challenges of backup capacity planning, provisioning, and billing are overcome. HPE GreenLake Backup combines the benefits of on-premises and on-demand without their disadvantages.

Figure 1. HPE GreenLake Backup combines the simplicity, agility, and economics of public cloud with the security and performance benefits of an on-premises backup environment.

Backup capacity planning made simple: Front-End to Back-End conversion embedded in HPE GreenLake Backup model

Primary data, with different data types

Backup policies and retention

Backup data

Deduplication

Required Back-End storage

How HPE GreenLake Backup benefits your business

End-to-end backup solution

HPE GreenLake Backup is a solution that covers the whole lifecycle of a backup environment. It is composed of the required hardware, software, and services to provide a real end-to-end experience so you can focus staff and resources on your business, instead of spending time on routine work. Need help to reskill your team? Our built-in Digital Learner platform offers hands-on training to help get that process started.

HPE Pointnext professional consultants can work with you to assess your backup needs and formulate a strategy for moving forward. They can provide additional assistance around solution sizing, data migration, Management of Change, and more. Other services include the installation and deployment of the solution, enterprise-grade reactive and proactive support, and operational services that include monitoring and operation, with a single point of contact for your entire backup solution.
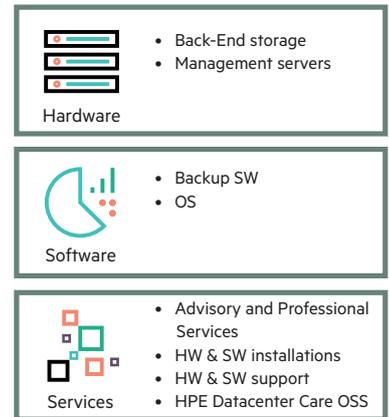

Figure 2. End-to-end backup solution.

Unique unit of metering: Front-End Terabyte used

The components of the end-to-end backup solution are invoiced using a new and unique unit of usage metering: Front-End Terabyte, that is, the size of the uncompressed data to be protected, freeing the user from the worries of back-end details like how many copies will be kept and for how long.

This simplified billing model allows you to predict and control backup costs based only on the volume of data committed for protection.

With this model, Hewlett Packard Enterprise makes backup capacity planning simple. HPE GreenLake Backup takes care of capacity upgrades by tailoring the solution to your data environment: data types, backup policies, and retention periods.
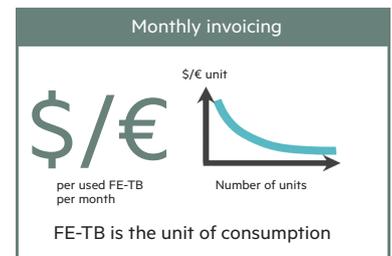

Figure 3. Unique unit of metering.

Knowing exactly what you use and what it costs gives you tighter control over expenditures at a line of business level. Moreover, variable billing—by Front-End Terabyte—offers easy-to-understand insight into actual costs and drives better business and IT planning and management decision-making.

On-premises IT Consumption is new
Consuming IT on premises in the style of the public cloud is a new option for IT—this lets you retain proper control, gain agility from elastic infrastructure, reduce IT costs with a pay per use model, leverage technology innovations quickly, and simplify IT operations to re-allocate resources where they matter.

Solutions that prepare people along with process and technology
Concerned about how this new service impacts your people? HPE embeds a 3-year subscription to Digital Learner Starter Pack, a portal for on-demand learning intended to help prepare your IT team for what's next. Content in the portal is available to cover key technology areas, including:

- Cloud
- Security
- Storage
- Servers
- Big Data
- Networking
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Hewlett Packard Enterprise

Improve time to market

Lack of backup capacity can no longer impact the organic growth of your business data. Hewlett Packard Enterprise creates a local buffer of backup resources beyond what you need now, which you can dip into as needed. The extra capacity is deployed ahead of any oncoming demand and ready to be activated when needed.

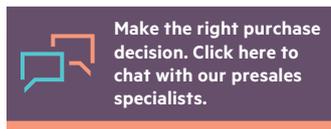## On-premises backup with public cloud agility and economics

HPE GreenLake Backup is an on-premises solution, deployed and delivered in the privacy of your data center. At the same time, it provides a public cloud experience with a service for consumption-based backup, with monthly flexible payments, no upfront capital outlay, service-level agreements (SLAs), and single point of contact.

Why HPE Pointnext?

With HPE GreenLake Backup, Hewlett Packard Enterprise is able to offer hardware, base and backup software, as well as all services under a single per use model and on-premises combined. HPE GreenLake Backup is uniquely able to unify Back-End and Front-End Terabytes and mix them together into a single unit of measure.

Professional Advisory, Professional, and Operational Services from HPE Pointnext help you simplify the transition to Hybrid IT and get the most from your technology investments. Get started on your transformation path today. We'll also work with you along the way to manage change, mitigate risk, accelerate time to value, and free up resources for innovation.

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