

Delivering on the promises of hybrid clouds with HPE GreenLake

Gain simplified IT management and cost efficiencies with the hybrid cloud built for your business's goals.



CIO

SPONSORED BY


Hewlett Packard
Enterprise

Hybrid clouds open a world of business opportunities. They enable organizations to:

- Provide superior data availability for both remote and on-site workers
- Cost-effectively test emerging technologies
- Protect highly sensitive data
- Uncover efficiencies
- Power data-first modernization initiatives

On the other hand, hybrid cloud can increase IT complexity. If not centrally and/or properly managed, these environments can be chaotic — and remain siloed — which can stymie innovation and put data and apps at risk.

But there's a way to cut through this complexity and more efficiently achieve your business objectives: HPE GreenLake, the edge-to-cloud platform that powers hybrid cloud environments.

A modern platform for modern IT: HPE GreenLake

Every business's modernization journey is different. Your organization might be operating a mix of clouds, edge, and a centralized data center. Or it could be that you're just getting started on the path to digital transformation. And maybe you're somewhere in the middle.

No matter where your business lands on the cloud spectrum, HPE GreenLake can help you better achieve your goals. It provides speed, powerful performance, scalability, unified data, robust security, streamlined IT management, and more — to help you create the hybrid cloud of your choice. The platform offers the flexibility to meet you where you are and then accelerate

your ability to grow, control costs, and improve security and sustainability.

HPE GreenLake is a foundational, as-a-service platform that allows you to choose and customize the resources you need, sized for today. For example, you could obtain the storage or high-performance compute capacity necessary for one modernization project — and only pay for the capacity used.

Or if you're trying to build an edge environment that scales on demand, HPE GreenLake can provide the resources — including cloud-native infrastructure — that allow you to cost-effectively grow at your own pace.

In addition, organizations can reduce complexity with the simplified management capabilities inherent in HPE GreenLake. They help you gain visibility into data, apps, and infrastructure across the cloud, edge, and data center to drive innovation and provide resources when and where they're needed. The platform unifies these environments for a centralized, integrated experience within an intuitive user interface. Everything you need is there, for example, to add users, deploy virtual machines, spin up containers, unify data across hybrid cloud, and enhance security for remote workers.

For even greater flexibility and reduced complexity, you can opt to have HPE cost-effectively manage some or all services, while you retain control of data and apps. Lean on HPE expertise, for example, to manage highly complex IT environments — that might include multiple vendors, device types, and widely distributed locations — and create highly efficient business and IT operations.

HPE GreenLake is the solution that brings the cloud experience to your unique use case, including:

1. Create a hybrid cloud with ease
2. Connect the edge to your cloud
3. Holistically secure your entire IT environment
4. Turn your data into intelligence

1. Create a hybrid cloud with ease

Bring the cloud experience to all data, applications, and services — no matter where they're located. HPE GreenLake is a true edge-to-cloud solution, using cloud-native architecture, that lets you choose the parameters and helps you simplify data, access, and management.

It's your data, you own and control it.

HPE GreenLake simply helps you better manage it. Thanks to its cloud-native architecture, the platform standardizes cloud services and provides transparent pricing. You only pay for the infrastructure and services used, ultimately helping your organization to:

- Avoid expensive data egress fees as you spin up and use containers or databases
- Seamlessly move data across clouds and edges, including at users' desktops
- Stabilize stored data for controlled costs
- Flexibly plan for capacity

A healthcare organization, for example, can spin up a hybrid cloud environment using HPE GreenLake to improve the patient experience. That might include running analytics at the bedside for accelerated diagnostics then connecting that data with other medical services — such as rehabilitation or specialist services — to offer holistic care.

HPE GreenLake can deliver all the necessary elements, including the platform, services, expertise, and integration. And the platform helps to simplify the management of hybrid clouds with easy-to-use, centralized management tools.

That said, you can also choose to let HPE manage the environment for you. Experts can remotely monitor and operate your infrastructure from cloud to edge for consistent, optimized performance.

2. Connect the edge to cloud

The edge is wherever people, places, machines, and/or data connect. It could be a retail store location, a user's virtual desktop, a mobile device, or a manufacturing plant machine.

There's significant data potential at the edge — but gaining valuable insights requires a flexible, cost-effective solution that can run compute-intensive artificial intelligence (AI) and analytics programs.

The HPE GreenLake edge-to-cloud platform gives you the processing power you need, as well as the services to make complex connections so you don't have to wait to gain real-time insights.

For example, HPE can deliver an edge-to-cloud environment that processes autonomous driving data to derive rapid insights into the vehicle's performance. Or accelerate patient diagnostics costs with on-demand resources from HPE GreenLake to power X-ray analysis. Image recognition data gathered at the machine is fed into an AI model, which then delivers a rapid assessment to doctors.

The platform overcomes the challenges of disconnected silos with an underlying data fabric that connects your edge to your cloud and data center. It enables your business to analyze and act on data across apps, users, devices, and locations.

3. Holistically secure your entire IT environment

Gain comprehensive security across your entire ecosystem, including “last mile” protections for users.

HPE follows the shared responsibility model: Customers retain ownership of all their data for full governance, while HPE hardens and protects your IT infrastructure — from silicon to software — based on zero trust practices and technologies. HPE adheres to a certified trusted supply chain that embeds and verifies security at every level. Customers can customize security policies to meet their specific requirements, while being able to measure their security effectiveness.

Choose to further enhance your security posture with HPE management services. For example, HPE offers continuous security and risk management that supports patches and updates, proactive monitoring, remediation services, compliance efforts, and control/risk assessments.

A healthcare organization, for example, experienced a ransomware event that caused them to become more vigilant about security. However, they didn’t have access to a large IT talent pool in their geographic region. They decided to adopt HPE management services to serve as an extension of their existing IT department — taking care of routine patches, upgrades, and customer support.

Cyber resiliency, security modernization, data protection — no matter your requirement, HPE GreenLake provides the capabilities and resources to ensure the highest levels of data security.

4. Turn your data into intelligence

Many enterprises store data that exists in disconnected silos across clouds, the data center, and at the edge. Mining this data for insights requires integration.

HPE GreenLake helps organizations unify data to uncover business value with improved economies of scale. It provides an underlying data fabric that integrates and enables access to data no matter where it lives – edge, clouds, colocations — for ready application to AI and analytics programs.

The platform also simplifies data management, including its storage, archiving, and retrieval. For example, HPE GreenLake can be used as storage-as-a-service to gain the agility to quickly build and deploy new apps or services and more effectively scale AI-based workloads — all while achieving the cost efficiencies of only paying for the resources used.



Consider, for instance, the benefits of running a cost-effective AI program. Public cloud providers often bundle their services, automatically including fees for containers, which you may or may not need. Also, they typically charge for data egress – moving data from the cloud to your data center – which can become costly as data sets scale, or to prepare or cleanse data.

HPE GreenLake, on the other hand, provides transparent pricing based on consumption and there are no data egress costs because the edge-to-cloud platform is unified. These efficiencies not only help you fully capitalize on your data, but also turn your data into intelligence.

Determining the next steps

Not sure where to start? HPE offers assessment and advisory services to determine:

- Where you are on your digital transformation journey and where you need to go
- How to align business goals with business outcomes
- How to establish a navigable, effective path using services and solutions that fit your requirements and goals

Jump into hybrid clouds with the ease and confidence that you can cost-effectively meet your business's objectives – while paying only for infrastructure and resources that you use.

Regardless of whether you're stuck midway with multi-generational infrastructure or just getting started, HPE can help you assess, figure out next steps, and then provide the range of services that best suit your needs.

HPE GreenLake is the cloud that comes to you, in the hybrid form of your choice. Learn more at hpe.com/cloud