



## Virtualized workloads on HPE GreenLake for Private Cloud Business Edition

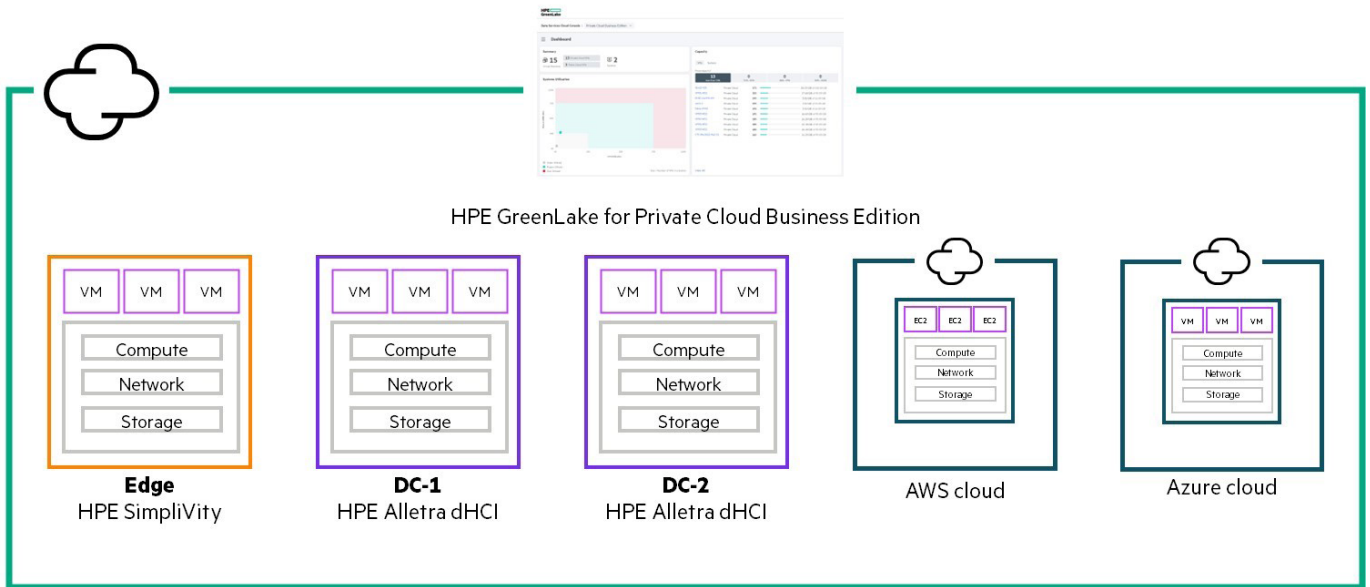
Customers are looking for a radically simplified experience for data infrastructure at scale across the lifecycle—from streamlined device deployment to virtual machine (VM) provisioning, to global VM and infrastructure management. They are looking for a cloud-native control plane that scales with infrastructure, so managing hundreds of systems across geographies is as simple as one.

Hewlett Packard Enterprise provides [HPE GreenLake for Private Cloud Business Edition](#) delivering VMs across hybrid cloud. With this offering, customers can build their self-service cloud on demand when they need it and where they need it in data centers, at the edge, and beyond.

HPE GreenLake for Private Cloud Business Edition encompasses VM workloads running on-premises with [HPE Hyperconverged Infrastructure \(HCI\)](#) solutions and in the public cloud, as shown in Figure 1.

# HPE GreenLake for Private Cloud Business Edition

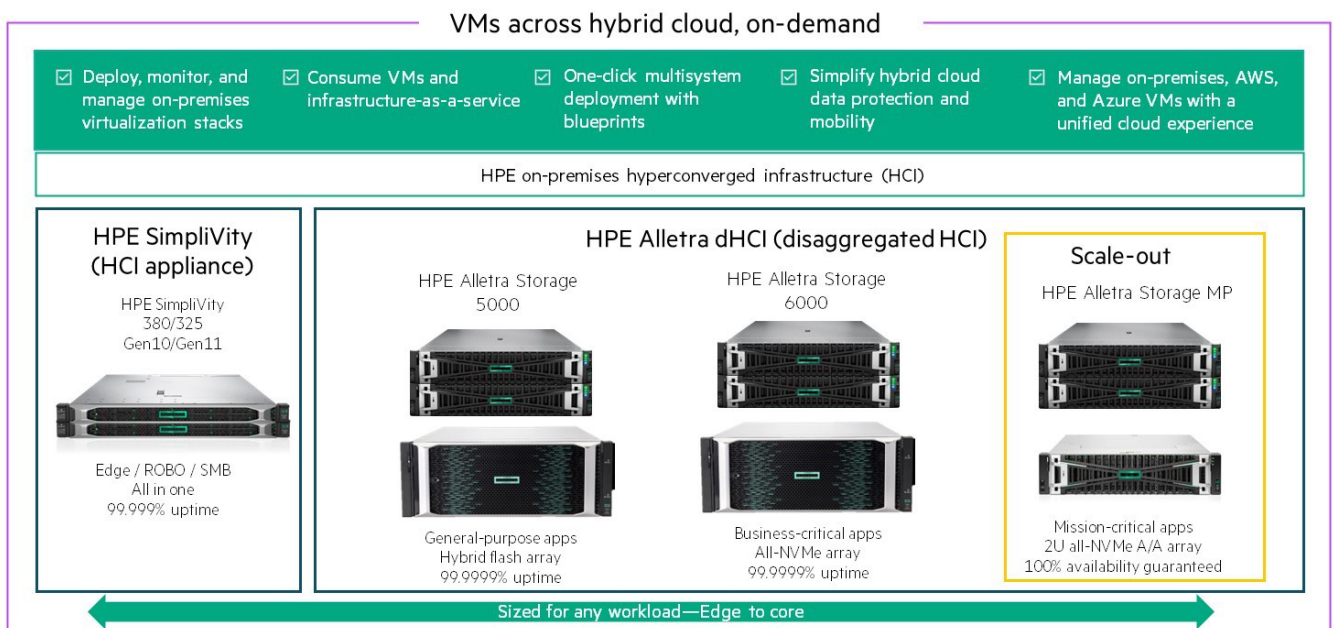
Run your VMs where you need them—on-premises, at the edge, or at a hyperscaler



**Figure 1.** VM workloads running on-premises with HPE HCI solutions and in the public cloud

HPE GreenLake for Private Cloud Business Edition supports [HPE Alletra dHCI](#) and [HPE SimpliVity](#) systems, as shown in Figure 2.

## HPE GreenLake for Private Cloud Business Edition



**Figure 2.** HPE GreenLake for Private Cloud Business Edition supports on-premises HPE Alletra dHCI and HPE SimpliVity systems

[HPE Alletra dHCI](#) offers independent scaling of performance (compute) and capacity (storage). This provides flexibility for running mixed workloads, plus avoids costly over-provisioning. For example, optimizing hypervisor licensing costs.<sup>1</sup>

HPE SimpliVity provides the capability to run edge and general-purpose VMs, with 99.999% data availability and built-in data protection.<sup>2</sup> [HPE SimpliVity Gen11](#) improvements from Gen10 models include newer processors, more capacity, more cores, newer PCIe support, more accelerators, choice of boot controllers, and hot-serviceable boot drives. In addition, the HPE SimpliVity 325 Gen11 Systems now includes GPU support.

1. 2 [“HPE Storage substantiation,”](#) HPE, 2024



## Use cases / advantages of running virtualized workloads on HPE GreenLake for Private Cloud Business Edition



**Edge / ROBO / SMB:** Multisite remote locations are witnessing application and data growth that requires a simplified experience for management and protection. HPE GreenLake for Private Cloud Business Edition is a perfect solution for these environments because it provides the enterprise with features needed to run what is essentially a small data center in a compact, all-in-one system.



**Data center consolidation / mixed workloads:** For customers who want a smaller data center footprint, lower total cost of ownership (TCO), and an escape from endless update and refresh cycles, data consolidation onto HPE GreenLake for Private Cloud Business Edition is an ideal choice. In one integrated solution, it simplifies data center consolidation initiatives and reduces the cost and complexity of ongoing operations. For example, [see HPE GreenLake for Block Storage running mixed database workloads.](#)



**Business-critical applications:** Business-critical applications run faster and are easier to manage compared to traditional infrastructure. With accelerated performance, high data efficiency, and easy scaling, HPE GreenLake for Private Cloud Business Edition is very well suited for the applications that are critical to run your business.



**Mission-critical applications:** HPE Alletra dHCI with Alletra Storage MP supports enterprise-grade applications with high performance and reliable capabilities. Organizations can run critical applications with confidence, knowing that HPE GreenLake for Private Cloud Business Edition provides the computing power, storage capacity, and networking reliability needed to support their most demanding workloads. This ensures that efficiency and performance are never sacrificed.



**Virtual desktop infrastructure (VDI):** When an organization makes the switch from physical to virtual desktops, the expectation is that virtual desktops will perform just as well. VDI deployments must deliver a couple of key capabilities, including ultra-fast application provisioning and predictable performance at peak demand. The HPE GreenLake for Private Cloud Business Edition solution not only delivers these capabilities but also provides more desktops on less hardware, as well as high performance graphics support, data protection and resiliency, simple management, and scalability. For details, [see VDI Storage solutions for client virtualization.](#)



How does HPE GreenLake for Private Cloud Business Edition solution work?

Onboard HPE HCI systems to an HPE GreenLake Workspace via the [Welcome Center](#)

Add HPE HCI systems from the Data Services Cloud Console->Private Cloud Business Edition->Systems menu, as shown in Figure 3.

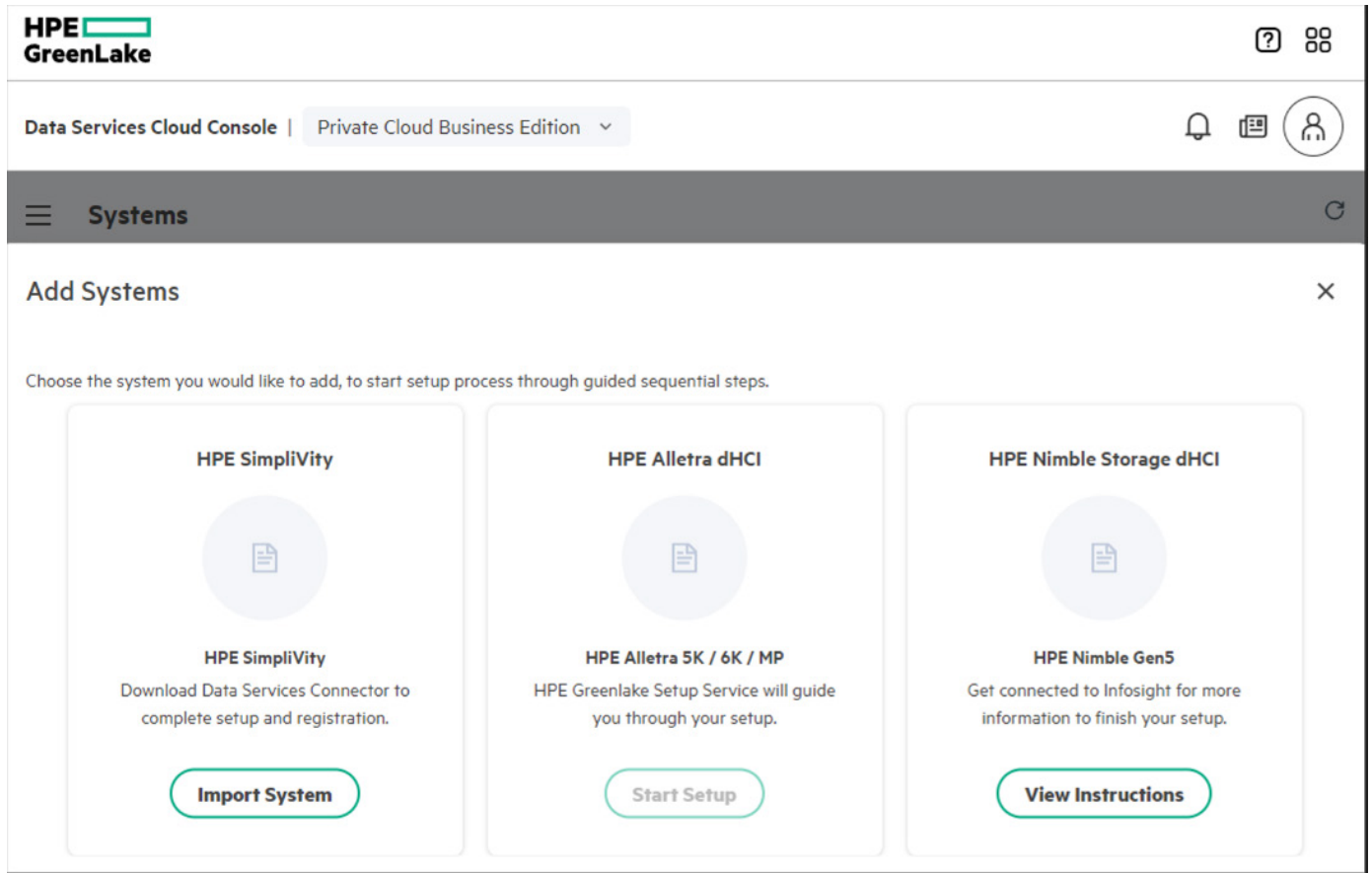


Figure 3. Add HPE HCI systems in the Data Services Cloud Console

Add public cloud accounts from the Data Services Cloud Console->Private Cloud Business Edition->Cloud Accounts menu  
Manage VMs and infrastructure across your fleet and public cloud through a single console, illustrated in Figure 4.



Figure 4. HPE GreenLake for Private Cloud Business Edition management console functionality



In conclusion, HPE GreenLake for Private Cloud Business Edition changes the way customers procure and manage VMs with a cloud operational experience. HPE GreenLake for Private Cloud Business Edition helps eliminate complexity with a unified cloud service for VM to infrastructure management, including public cloud VMs. The solution—delivered through the Data Services Cloud Console—enables global unified management and monitoring of VMs and infrastructure deployed at any location as well as one-click, multisite upgrades. This enables IT to reduce operating costs while helping optimize resource utilization, move to a generalist model, and shift from managing infrastructure to managing VMs and data, thereby refocusing resources and skills on higher-value strategic initiatives.



## Learn more at

[HPE.com/HPE-GreenLake-private-cloud-business-edition](https://HPE.com/HPE-GreenLake-private-cloud-business-edition)

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