



# Transform your private cloud with HPE GreenLake for VMware Cloud Foundation

Unify, simplify, and scale your IT environment with our modern, agile platform for innovation.

## The compelling need for modernization

IT must deliver modern apps and help businesses stay responsive to market needs while remaining agile enough to scale on demand and operate across any cloud—private, public, hybrid, or edge. Moreover, IT must drive sustainable transformation in a hybrid environment. CIOs continue to balance competing priorities as they advance their organizations' modernization efforts while fully leveraging their existing investments. They must contend with difficult-to-manage on-premises and cloud workloads and increasing complexity (all while trying to maintain security, compliance, and resilience), and they must achieve comprehensive visibility into their environment. It's a tall order for any company—one that often demands more IT investment, money, time, and resources. However, HPE GreenLake for VMware Cloud Foundation™ (VCF) co-engineered solutions—managed for you or customer-managed—powerfully and effectively solve these challenges. These solutions give companies much needed flexible operating models for on-demand scaling without the risks of unpredictable costs or unplanned downtimes.

VMware Cloud Foundation is a Private Cloud IaaS Platform, integrating advanced software-defined compute, storage, networking and security with a full suite of automation and orchestration, for traditional, cloud-native and merging AI workloads.

## Why the HPE GreenLake for VCF co-engineered solution

Organizations need to innovate, reduce IT complexity, and accelerate their journey to the cloud without overhauling their entire IT infrastructure. HPE GreenLake for VCF provides all the capabilities organizations need to modernize and manage their VMware® software environments.

VMware Cloud Foundation provides a flexible and simplified private cloud platform that integrates leading products including VMware vSphere® (compute), VMware vSAN™ (storage), NSX (networking) all managed through automation and orchestration deeply embedded in the platform and delivered as a single solution. It is a platform that enables companies to modernize infrastructure, accelerate developer productivity, provide greater resilience and security and lower operational costs.

HPE's differentiated technologies and services when combined and integrated with VCF as a co-engineered solution can truly deliver a unified and simplified private cloud experience to our customers. Pivoting from build your own piece part assembly to an integrated, turnkey, out-of-the-box cloud experience with HPE GreenLake for VCF.

Your organization can keep the benefits of tight integration offered by the financial consumption model of the cloud and a co-engineered solution, either customer-managed or managed for you.

### Customer-managed

We bring the best of the HPE and VMware software together to deliver a single, fully integrated private cloud solution that organizations can use to easily manage their infrastructure resources by themselves or through their managed service provider.

With HPE GreenLake for VCF, you can confidently deploy, operate, and lifecycle manage your HPE infrastructure-as-a-service (IaaS) platform optimized for VCF workloads by leveraging simplified and standardized instances with predetermined options that effectively adapt to your requirements. HPE also supports capacity management for standardized bare-metal cloud infrastructure. Benefits of this option include leveraging existing operational skills, utilizing your own control plane/management toolset, and complying with the strictest regulations (disconnected environments).

### Managed for you

HPE offers VCF on HPE's first private cloud with the HPE GreenLake cloud platform, where localized workload domains can be consumed with a click for your simplified digital, hybrid operations on virtualized or/and containerized workloads on demand. You can offload all the mundane infrastructure operations tasks to the HPE AI-enabled intelligent control plane and scale your workloads on the go without losing price predictability.

The solution uniquely delivers scalability with operational simplicity for your workload domains. It includes:

- A factory-preintegrated VCF Private Cloud IaaS Platform on HPE-managed management domain, multiple customer ready workload domains on the HPE prevalidated standardized compute instances, the HPE intelligent control plane appliance for the VCF platform, and the underlying IaaS remote monitoring and management
- Prepackaged factory integration, on-site installation, and remote management services bundled for a pay-as-you-go model

Benefits of these two co-engineered solutions include:

- **A secure private cloud platform.** The choice of optimized HPE infrastructure modules with VCF private cloud platform featuring built-in, multi-layered hardware security and an ecosystem of intrinsic security features across the entire stack makes it easier for companies to modernize applications, better manage their data and workloads, and even build their own virtualized private cloud. The platform supports VCF-enabled virtualized and containerized workloads while providing a flexible grow-as-you-go consumption model.<sup>1</sup>
- **A grow-as-you-go consumption model.** The HPE GreenLake cloud enables easy access to billing and consumption analytics so businesses can dynamically provision and compose resources on demand to better manage VCF workloads. This frees IT teams to focus on high-value strategic projects while advancing their organizations' progress without increasing energy consumption.

<sup>1</sup> May be subject to minimums or reserve capacity may apply.

## Create future-ready infrastructure with HPE GreenLake and VMware Cloud Foundation

HPE and VMware by Broadcom have partnered for more than 20 years to co-develop and co-innovate industry-leading solutions that accelerate digital transformation for companies:



**A proven partnership:** Selling more than 500,000 VMware licenses in the last five years, HPE is the global leader in server virtualization solutions based on VMware technology.



**A thriving ecosystem:** HPE and Broadcom share one of the largest joint channel partner communities.



**Innovating with ease:** HPE cloud and data center innovations are delivered as turnkey co-engineered solutions with VCF.



**Unrivaled experience:** The combined expertise of HPE and Broadcom delivers the industry's most complete portfolio of integrated private cloud solutions and services.

We help the world's leading organizations make their infrastructure affordable, sustainable, and future ready—all while reducing costs and increasing agility. If your organization is ready to modernize, our joint solutions offer everything you need to simplify the path to hybrid cloud.

### References

HPE GreenLake Flex Solutions

[hpe.com/us/en/hpe-greenlake-flex-solutions.html](https://hpe.com/us/en/hpe-greenlake-flex-solutions.html)

Optimize, modernize, and simplify your virtualization strategy

[hpe.com/us/en/solutions/virtualization.html](https://hpe.com/us/en/solutions/virtualization.html)



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[HPE.com/GreenLake-Flex-Solutions](https://HPE.com/GreenLake-Flex-Solutions)



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