



Hosted Private Cloud Advanced Access

Optimal Control and Management of VMWare's vCenter

Enterprise customers are increasingly looking to move workloads to cloud providers from on-premise and colocation. They are looking to offload compute, network, storage, licensing, and facilities requirements while maintaining the control and management of the application stack and orchestration of resources in-house. These customers are typically leveraging advanced tools in their environment that require direct access to the hypervisor so they can utilize their internal IT staff to manage and configure infrastructure resources to provide optimal levels of performance, efficiency and utilization of their IT environment.

Interoperability and compatibility

Flexential dedicated HPC—Advanced Access capabilities provide customers with the ability to leverage industry-leading third-party tools to manage workloads and data protection in a flexible way on a single consolidated cloud platform. HPC—Advanced Access allows a customer to have full administrative control over the Flexential-owned vCenter. This capability allows customers to utilize tools that require access to cloud administration domain functionality and enables a greater degree of personalization. While the customer will be provided with significantly more access to the cloud infrastructure, Flexential will perform initial configuration and ongoing management of the hypervisor.

This functionality is achieved by Flexential providing customers with direct access to the industry standard vCenter to manage workloads in a way that is already used by the client, leveraging their existing IT applications and tools while maintaining control over the hardware and storage platforms.

Full control

With the proliferation of third-party DevOps tools and the essential functionality they bring to application development, HPC—Advanced Access provides customers with the advanced permissions to vCenter to enable full control over their third-party integrated environment. This solution is ideal for customers with strong third-party tool capabilities who do not wish to take on the burden of managing their own hypervisor but have sufficient resources to manage their own software solutions like Citrix or Horizon for VDI capabilities.



Additional Optional Enhancements

Application migration

Flexential application migration capabilities abstract on-premises and cloud resources and present them to applications as a single continuous resource. A hybrid interconnect automates the creation of a network extension and allows support for hybrid services, such as application migration, workload rebalancing and workload mobility.

Key capabilities

- Provides the flexibility to easily perform scheduled, live or bulk migration of VMs
- Enables mobility across data centers and clouds to optimize resource utilization
- Customers can use this capability to migrate VMs with zero downtime—no need to worry about time-consuming, manual operations like IP address re-architecting

HPC—Advanced Access also powers data protection use-cases by enabling the implementation of a custom backup/snapshot strategy using tools that the client has already invested in like Veeam, Rubrik or Zerto. It's also ideal for providing integration with DevOps tools that are critical for Continuous Integration and Development (CI/CD) solutions like Rightscale, Terraform, and Ansible.

HPC—Advanced Access

Provides administrator full control over the Flexential owned vCenter to facilitate the integration of tooling that requires advanced access to cloud admin domain functionality.

Features:

- ✓ Full control of cloud environment—nothing is locked-down or unconfigurable for the customer
- ✓ Provides unfettered access to the underlying cloud infrastructure
- ✓ Direct, unobstructed access and permissions to do configuration management
- ✓ Intended for cloud expert users that require the highest levels of customization
 - Fully dedicated compute and network resources
 - Pre-integrated security and compliance

- ✓ Flexential is the **ONLY** cloud provider in the market today to offer these unique features and capabilities

Benefits:

- Compliant to the hypervisor level
- Provides users the freedom to manage resources and access control privileges directly from their own vCenter environment
- Provides the ability to connect and utilize third-party tools and backup tools from another environment to their existing vCenter environment
- Easily control and automate application deployments and updates with the ability to scale applications and their resources rapidly
- Increase the frequency of software deployments to modernize existing workflows and simplify production changes
- Reliable releases - Empowers the continuous updates in the continuous integration (CI) and continuous delivery (CD) process to help ensure reliable, high-quality software releases

Advanced metrics and reporting

Flexential enhanced advanced metrics and reporting capabilities provide a unified operations platform for automating and simplifying operations management with artificial intelligence (AI) and machine learning (ML). This allows customers to move from reactive troubleshooting to predictive innovation and automated optimization within their cloud environment.

Key capabilities

- Continuous performance optimization to reduce unplanned downtime
- Efficient capacity and cost management to lower costs
- App-aware intelligent remediation to speed time to value