# Hosted Private Cloud (HPC)
## vCenter Access
### Optimal Control and Management of vCenter Access

Enterprises are increasingly looking to move workloads to cloud providers from on-premises and colocation data centers in order to offload their compute, network, storage, licensing and facilities requirements while maintaining the control and management of their application stack and orchestration of resources in-house. These businesses 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 and provide optimal levels of performance, efficiency and utilization of their IT environment.

## Interoperability and Compatibility with Industry-Leading Third-Party Tools

Flexential's new dedicated VMware vCenter Access capabilities provide organizations with the ability to leverage industry-leading third-party tools to manage workloads and data protection requirements in a flexible way on a single, consolidated cloud platform. Direct vCenter Access allow users to proactively monitor and manage cluster capacity using tools that they've already purchased and are accustomed to using in their IT environments.

This functionality is achieved by providing direct access to the industry standard vCenter API and management tools to manage workloads and backups in a way that is already used by the business, leveraging their existing IT staff while maintaining control over the hardware and storage platforms.

## Optimal Performance and Functionality to Accelerate Innovation

Many enterprises want the ability to use Continuous Integration (CI) and Continuous Delivery (CD) software engineering practices aimed at developing and delivering software as quickly as possible, with the highest levels of quality.

[1]Source: Gartner, 2/2020, How to Lead Digital Disruption With Programmable Infrastructure

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**According to Gartner, by 2022, creating a flexible, adaptive infrastructure will be among the top I&O goals for more than 70% of enterprises, which is a major increase from fewer than 20% in 2019.[1]**

Continuous Integration and Delivery (CI/CD) and other DevOps practices are being used extensively today, especially in large-scale IT shops to increase their rate of innovation. Flexential's HPC - vCenter Access solution can enable that functionality. CI involves the process of merging all coding works of a software development project on an ongoing basis while CD is the ability to get changes of all types — including new features, configuration changes and bug fixes — into production.

## 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

- Reliable releases - the continuous updates and test automation in CI helps ensure reliable, high-quality releases that have fewer errors and bugs that could reduce their effectiveness

- Empowers continuous updates in the continuous integration (CI) and continuous delivery (CD) process to help ensure reliable, high-quality software releases

## Features

- Provides organizations with direct access and permissions to do configuration management through vCenter.

- Leverages familiar, industry standard tools to manage workloads and backups in a way that is used by the client already, leveraging their existing IT staff.

- With direct access to the vCenter API, existing scripts and VMware tools can be used along with existing third-party Dev/Ops tools to enable CI/CD functionality and performance.

ABOUT FLEXENTIAL

Flexential empowers the IT journey of the nation's most complex businesses by offering flexible and tailored solutions in colocation, cloud, data protection, managed and professional services. The company builds on a platform of three million square feet of data center space, in 20 highly connected markets and the FlexAnywhere™ 100 GB private backbone, to meet the most stringent challenges in security, compliance and resiliency. Visit www.flexential.com.

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