

FlexPod Datacenter with VMware Horizon and VMware vSphere 7 for up to 2,300 seats

Cisco Validated Design

Is sharing truly caring?

In the world of IT, yes! A siloed vendor is not helping the person that matters most—the customer. An infrastructure that is not innovative, that doesn't adapt to the growing need for applications, and doesn't have a secure footprint to and from the cloud is a true waste of money, resources, and most importantly, time, which you cannot get back. FlexPod® is a shared infrastructure that provides customers with the best in storage, compute, and networking. With validated architectures, the FlexPod approach is always in the customer's best interest because NetApp and Cisco want you to be successful beyond the purchase date. This Cisco Validated Design (CVD) for a 2,300 seat VMware

Horizon build-out is no different. This integrated solution combines the Cisco UCS B200 M6 and NetApp® AFF A400 with ONTAP® 9.9, which are both enterprise-class systems that offer market-leading versatility and density without the compromise of mixed workloads, including web infrastructure, distributed databases, Virtual Desktop Infrastructure (VDI), and enterprise applications such as SAP HANA and Oracle. The NetApp ONTAP enterprise storage system simplifies the data infrastructure from edge, core, and cloud with a common set of data services and 99.9999 percent availability. The Cisco Unified Computing System (UCS) is the next-generation data center platform that integrates not only ONTAP, but computing, networking, and virtualization

resources into a cohesive system designed to reduce TCO and increase business agility. It truly makes sense for the VMware Horizon platform to be built on this integrated infrastructure.

The data center market segment is shifting toward heavily virtualized private, hybrid, and public cloud computing models running on industry-standard systems. These environments require uniform design points that can be repeated for ease of management and scalability.

These factors have led to the need for predesigned computing, networking, and storage building blocks optimized to lower the initial design cost, simplify management, and enable horizontal scalability and

high levels of utilization. Enterprise SAN and NAS workloads can benefit equally from this integrated architecture including the integrated management solution. The integration architecture enables FlexPod customers to use new management capabilities without compromising their existing VMware or ONTAP operations.

IT users will be able to manage their heterogeneous infrastructure from a centralized Cisco Intersight portal. At the same time, the IT staff can continue to use VMware vCenter and NetApp Active IQ® Unified Manager for comprehensive analysis, diagnostics, and reporting of virtual and storage environments.

“The integration brings the full value and simplicity of Cisco Intersight infrastructure management service to VMware hypervisor and ONTAP data storage environments.”

For the last 10 years and counting, FlexPod has continued to deliver a platform for enterprise solutions and data centers using Cisco UCS, Cisco Fabric Interconnects, Cisco switches, and NetApp ONTAP data management software. FlexPod is designed with the combined effort

from engineers from Cisco and NetApp to provide best practices, reduce deployment time, and avoid project risk. This CVD validates the design, performance, management, scalability, and resilience that FlexPod provides to customers wanting to deploy enterprise-class VDI with VMware Horizon.

The full CVD can be found [here](#).

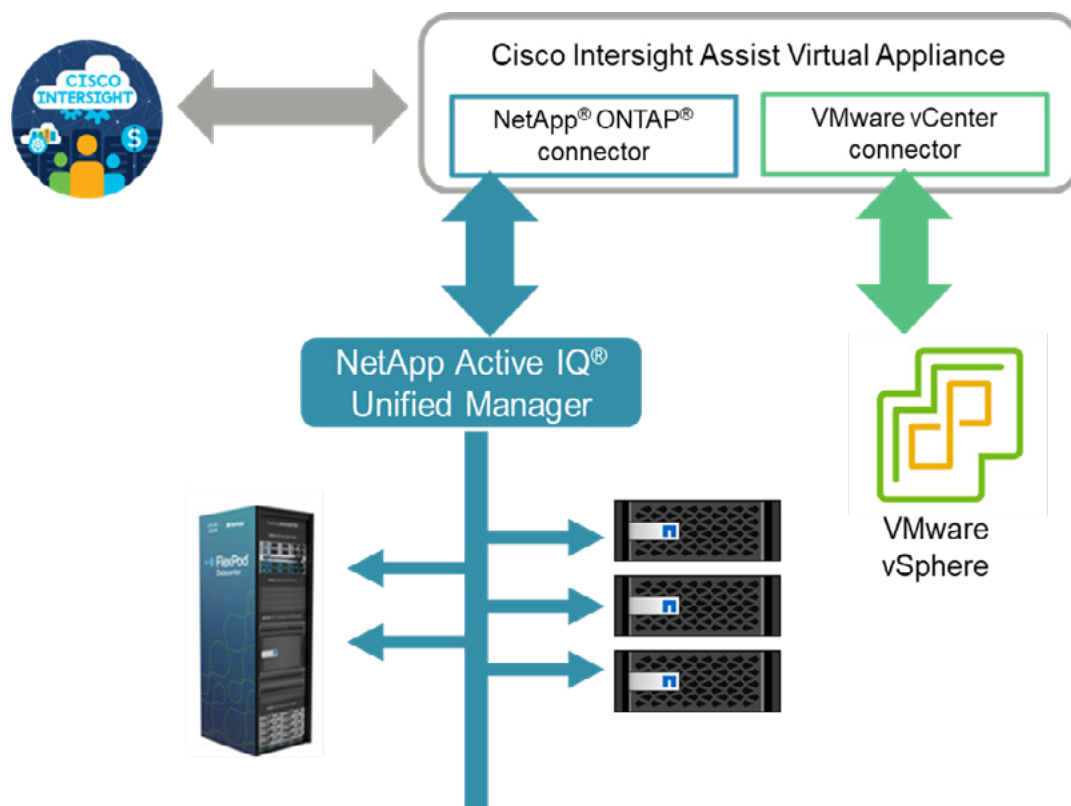


Figure 1. FlexPod Datacenter with VMware Horizon and VMware vSphere 7 for up to 2,300 seats.

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