



SOLUTION BRIEF

Remote Learning Powered by FlashStack® Virtual Desktop Solution with VMware Horizon

FLEXIBLE GROWTH

Scale a range of VDI seats from a few hundred up to tens of thousands of users with a building-block approach

STREAMLINED OPERATIONS

Easily deploy, manage, and scale with FlashStack®

TRANSFORMATION

Transform operations and the higher education experience while increasing productivity with centralized desktops and virtualized applications

REDUCED RISK

Cisco® Validated Designs reduce risk and speed deployment with a textbook approach

No matter where they are learning, today's student expects uninterrupted, lightning-fast connectivity. Higher education institutions are under immense pressure to stay competitive and deliver an exceptional student experience no matter where the classroom is. And operations must continue seamlessly whether faculty and staff are on campus or remote.

As distance and hybrid teaching and learning become the norm, institutions must simplify the delivery of virtual desktops and applications. VMware Horizon® software empowers institutions—and in turn, students—with easy-to-scale and always-on Cisco® validated FlashStack™ solutions. FlashStack is an enterprise-class converged infrastructure from Cisco and Pure Storage®. The solution is a tightly integrated, best-of-breed combination of Cisco Unified Computing System (UCS)®, Cisco networking, and Pure Storage [FlashArray™](#) or [FlashBlade®](#) managed holistically with Cisco Intersight™.

FLASHSTACK SOLUTION WITH VMWARE HORIZON

Higher education institutions operate with a lean IT staff and tight resources. They require solutions that ease the burden of managing IT infrastructure and allow IT staff to focus on strategic work. FlashStack virtual desktop infrastructure (VDI) solutions from Cisco and Pure Storage reduce the amount of time spent on desktop infrastructure and management. When institutions need to scale their environment to accommodate for





usage spikes, this solution enables the flexible upgrade of capacity and performance and can support a range of VDI seats from a few hundred up to tens of thousands.

The cloud-like capabilities provide constant access to virtual desktops across institutions, no matter the size or growth. Institutions cannot afford downtime, and VMware Horizon® software does not require the rip and replace of existing computing equipment or storage when scaling. By standardizing on this converged infrastructure platform, institutions can use intuitive Cisco management tools to streamline operations. The pretested Cisco Validated Design solution provides a comprehensive way to accelerate and simplify the VMware Horizon rollout.

BENEFITS

- Reduce Cost, Risk, and Complexity
Use Cisco Validated Designs to guide deployment.
- Improve the User Experience
Add NVIDIA® graphic processor acceleration.
- Start Small and Scale
Keep pace with institution needs.
- Streamline Operations
Unify management with Cisco Intersight.
- Add Resiliency
Gain availability that doesn't quit.

A SOLUTION THAT GROWS WITH YOUR INSTITUTION

The Cisco Validated Design for this solution specifies Cisco UCS Blade Servers and Pure Storage FlashArray//X Series storage running VMware Horizon. It was tested with both persistent and non-persistent virtual desktops running Microsoft® Windows 8 and 10 desktops along with shared Microsoft Windows Server 2016 server desktops. This solution provides exceptional scale and management simplicity to the virtual desktop environment.

POWER MODERN LEARNING WITH FLASHSTACK

Institutions are seeking creative ways to improve operations and enhance the student experience. With the FlashStack data center architecture, institutions can move from inflexible systems to an agile platform that supports dynamic operations.

FLASHSTACK@PURESTORAGE.COM

WWW.FLASHSTACK.COM

WWW.PURESTORAGE.COM/FLASHSTACK

WWW.CISCO.COM/GO/FLASHSTACK

© 2021 Pure Storage, Inc. and Cisco Systems, Inc. Pure Storage, the "P" Logo, and FlashStack are trademarks or registered trademarks of Pure Storage, Inc. in the U.S. and other countries. Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. Intel, the Intel logo, Xeon, and Xeon Inside are trademarks or registered trademarks of Intel Corporation in the U.S. and/or other countries. All other trademarks are the property of their respective owners.

PS-FS-SB-EnergizeIT-0720-V1



SOLUTION BRIEF