Lenovo Client Virtualization Validated Design

for Citrix XenDesktop with VMware vSAN

Securely Delivering Global Access and Reducing Operational Cost

Maximize the Benefits of a Lenovo Infrastructure with Client Virtualization

Today's business and IT leaders know that a client virtualization solution can help their organization meet multiple challenges, including ever-rising IT costs, managing data security and compliance on mobile devices, increased complexity of maintaining remote client devices, and the need for flexibility and global availability of compute resources.

The Lenovo Client Virtualization Validated Design for Citrix XenDesktop with VMware vSAN helps your organization meet these business requirements by centrally managing the desktop image within the corporate IT environment rather than at the remote worker or office location. With user data, user profiles and application data files on centralized servers, data center security and manageability are extended down to the user resources. Users have anywhere, anytime, secure access to data and applications from any device, including tablets and smartphones.

The combination of Lenovo Client Virtualization and Citrix XenDesktop provides a flexible client virtualization solution that helps minimize complexity, improve user productivity and reduce costs.

A Complete, Validated Solution

Citrix XenDesktop delivers multiple advantages for organizations implementing Lenovo Client Virtualization, including choice of delivery with support for private cloud and cloud-hosted services, as well as comprehensive image management across combinations of desktop and mobile devices. Additionally, employing the Lenovo Client Virtualization does not require a new OS image be created for each different device, uploaded into the device. Using this solution, a new user desktop can be created in minutes using a preconfigured virtual desktop Using standard and customizable desktop enables administrators to quickly activate large groups within a business or organization

By using the Lenovo Client Virtualization solution, businesses can keep their data secured inside their own data center, accessible only by authorized personnel. With this solution, no data is stored on a separate host that could be lost or stolen. Additionally, client virtualization desktops are hosted inside a business data center with up-to-date data. Desktop users can securely connect to applications in the data center from local and remote locations from PCs, mobile clients, tablets and thin clients.

Highlights

- Lenovo is a one stop shop for VDI applications offering Servers, Storage, Networking, Software & Clients
- Enables a scalable solution for a few users to several thousands users to meet current and future needs
- Features hyperconverged storage for highly available and fault tolerant in-server storage
- Supports a wide variety of VDI usage models from typical office users all the way up to high-end 3D rendering power users

2018 Lenovo. All rights reserved. About Lenovo Privacy Terms of Use

Lenovo ThinkSystem SR650, ThinkSystem SR630 & ThinkSystem SD530 servers for high capacity, high performance, and cost effective Client Virtualization solutions

Lenovo ThinkSystem SR650 Server, ThinkSystem SR630 Server, ThinkSystem SD530 Server and Lenovo G8272 Network Switch

Architectural Overview

At the core of this architecture resides the Lenovo ThinkSystem SR650, ThinkSystem SR630 and ThinkSystem SD530 servers. These rack based servers deliver the performance and stability required for business-critical cloud workloads. Using the latest Intel processors, both servers are extremely flexible, supporting large DDR4 memory arrays. These scalable servers provide high IOPs, low latency, and high storage capacity for VDI workloads through a wide variety of 2.5 and 3.5 inch drive storage options including hot swappable SAS/SATA HDDs, SSDs, low-latency NVMe drives and NVMe flash adapters.

Eliminating the need for attached SAN storage, this reference architecture based solution features VMware vSAN storage which uses as few as 4 physical servers to create a Client Virtualization infrastructure on a hyperconverged cluster. Within this solution, the VMware vSAN architecture integrates servers, virtual machines and on-node storage resources to greatly simplify the physical host deployment model & provided significant scalability for future growth.

This client virtualization solution features the Lenovo ThinkSystem G8272 10Gb Ethernet switches to support the data network. It is an enterprise class Layer 2 and Layer 3 switch that delivers line-rate, high bandwidth switching, filtering, and traffic queuing without delaying data.

Why Lenovo

Lenovo is a leading provider of x86 servers for the data center. Featuring rack, tower, blade, dense and converged systems, the Lenovo server portfolio provides excellent performance, reliability and security. Lenovo also offers a full range of networking, storage, software, solutions, and comprehensive services supporting business needs throughout the IT lifecycle. With options for planning, deployment, and support, Lenovo offers expertise and services needed to deliver better service-level agreements and generate greater end-user satisfaction.

For More Information

To learn more about the Lenovo Client Virtualization Validated Design for Citrix XenDesktop with VMware vSAN, contact your Lenovo Business Partner or visit:
www.lenovo.com/systems/solutions

© 2018 Lenovo. All rights reserved.
Availability: Offers, prices, specifications and availability may change without notice. Lenovo is not responsible for photographic or typographical errors. **Warranty:** For a copy of applicable warranties, write to: Lenovo Warranty Information, 1009 Think Place, Morrisville, NC, 27560, Lenovo makes no representation or warranty regarding third party products or services. **Trademarks:** Lenovo, the Lenovo logo, System x, ThinkServer, ThinkSystem are trademarks or registered trademarks of Lenovo. Microsoft and Windows are registered trademarks of Microsoft Corporation. Intel, the Intel logo, Xeon and Xeon Inside are registered trademarks of Intel Corporation in the U.S. and other countries. Other company, product, and service names may be trademarks or service marks of others.
CRN: VDICX01XX81 01/2018

2018 Lenovo. All rights reserved. About Lenovo Privacy Terms of Use