VIRTUALIZATION HAS EVOLVED IT'S TIME TO ASK FOR MORE

Take advantage of virtualization's promise today with game-changing client devices and infrastructure.

As virtualization has evolved from an enabler of multi-user interfaces to an agile application deployment platform, businesses are reaping productivity and efficiency gains never seen before using physically constrained infrastructure.

Discover how the right virtualization solutions can power any sized organization.

Lenovo™

PUT VIRTUALIZATION AT THE TOP OF YOUR PRIORITY LIST

As Software-Defined Everything becomes the norm, virtualization is an essential first step.

From compute infrastructure to networking and storage, next-generation IT will be software-defined. To get there will require a virtualized infrastructure. For businesses, this virtualization journey brings great benefits, helping them do more with less.
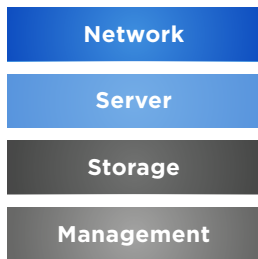
From an ecosystem of discrete components, IT infrastructure is well on its way to becoming completely defined by software, bringing greater flexibility, performance, and control.

The Move to Greater IT Agility

Since 1995	Since 2011	Since 2014	Evolving
· Acquired as discrete parts · Hard to deploy	· Acquired as single entity · Faster deployment	· Easiest manageability and control	· Single entity includes networking · Highest hardware utilization and maximum agility
Traditional Infrastructure	**Converged Infrastructure**	**Hyperconverged Infrastructure**	**Software-Defined Everything**
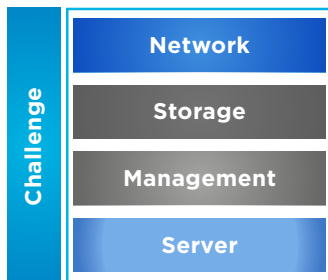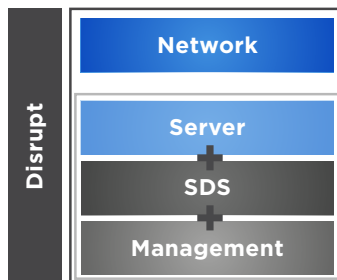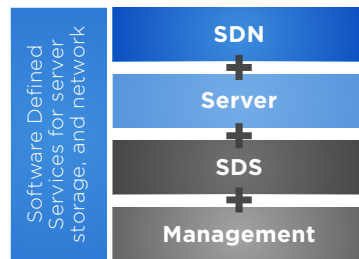
Traditional Infrastructure	Converged Infrastructure (Challenge)	Hyperconverged Infrastructure (Disrupt)	Software-Defined Everything
Network	Network	Network	SDN
Server	Storage	Server	+ Server
Storage	Management	+ SDS	+ SDS
Management	Server	+ Management	+ Management
Virtualized Server		**Virtualized Server and Storage**	**Virtualized Everything**

Software Defined Services for server storage, and network

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TOP REASONS TO VIRTUALIZE TODAY

Virtualized infrastructure can be
your new competitive advantage.

Better security, more efficient management
Here's how virtualized infrastructure can help you get ahead and stay there.

1. Single-point authentication
Enable a more secure environment by creating a single access point for authentication and identity management.

2. Centralized management of all IT resources
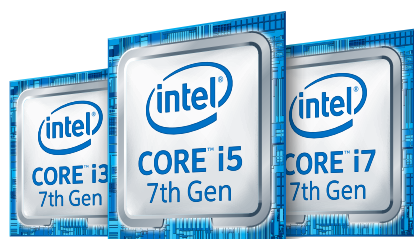Decouple workloads from hardware – and simplify data center configuration, management, and consumption.

3. Higher hardware utilization
Centralize computing workloads on a much smaller number of servers, with support for legacy applications.

4. Reduced downtime
Enable multiple redundant virtual instances of critical resources for higher availability.

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WHAT YOU NEED TO VIRTUALIZE YOUR INFRASTRUCTURE:

Client Devices

Take Down Your Computing Costs

Virtual desktop infrastructure (VDI) and application virtualization offer IT departments a CAPEX and OPEX win-win. Instead of deploying full-featured devices, you can use a fleet of less expensive thin clients and monitors—all without compromising the user experience. Plus, IT can centrally manage devices and the applications to cut maintenance and support costs.

Check out four Lenovo solutions that can make a difference to your bottom line.

Thin Clients
Lenovo M Series Thin Clients give your network the flexibility of a client computer running from your server but with native PC capability and power.

ThinkCentre M700 Thin Client

- Up to Intel® 6th Gen Core™ processors
- At 1L, fits into even the smallest spaces
- Supports up to 3 independent monitors and 4K resolution content

Monitors
Delivering superior value on investment, Lenovo monitors come in a range of screen sizes and resolution options to suit your office environment.

ThinkVision T2224z 21.5-inch WVA LED Backlit LCD Monitor

- Professional In-Plane Switching (IPS) panel for great color accuracy
- Multiple interface options and integrated USB 3.0 hub
- Adopts the latest green standards for lower energy consumption

All-in-Ones (AIOs)
With enterprise-level productivity and a minimal footprint, Lenovo M Series All-in-Ones are a welcome addition to the corporate desk.

ThinkCentre M900z

- Up to 6th Gen Intel® Core™ i7 processor
- 23.8" all-in-one that boasts a space-saving design
- MILSPEC-tested for mission-critical tasks or activities

Tablets
Business-ready and budget-friendly, Lenovo tablets give your team the flexibility to work how they want to.

ThinkPad X1 Tablet

- Powerful PC experience with an Intel® Core™ processor, up to Windows 10 Pro OS
- Converts to laptop and projector
- Ultrathin, ultralight, and up to 10 hours battery life

CORE i3 7th Gen
CORE i5 7th Gen
CORE i7 7th Gen

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WHAT YOU NEED TO VIRTUALIZE YOUR INFRASTRUCTURE:

Traditional Infrastructure: Desktop Virtualization

Take the Tried and Tested Route to Virtualization

Not ready to rip up your entire IT infrastructure? Implementing traditional infrastructure is your best bet, easier to deploy and upgrade in a step-wise approach. For organizations that want to make the best use of legacy hardware, Lenovo offers a range of desktop and server virtualization solutions.

Who It's For

Ideal for businesses with a large number of users needing low to medium compute power to perform routine office tasks

What you'll need

Complete front-to-back solution from a single vendor to minimize integration challenges

Range of form factors, price, performance, and density

Support for accelerated graphics

Lenovo Solutions

powered by Intel® Xeon® processors

Lenovo Client Virtualization for Citrix XenDesktop

- Provides a flexible desktop virtualization solution that helps minimize complexity, improve user productivity, and reduce costs
- Offers an array of infrastructure choices for general-purpose and accelerated graphics workloads
- Securely access data and applications anywhere, anytime from any device

Lenovo Client Virtualization for VMware Horizon

- Support for private cloud and cloud-hosted services, as well as comprehensive image management across virtual, physical or bring-your-own device
- Enhanced mobility to enable a more flexible and productive mobile workforce
- Better security and compliance with centralized security and management

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Powerful Productivity Outside.

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Who It's For
Ideal for technology-oriented businesses with a need for higher processing power and centralized IT resources to serve users running professional applications

☑ What you'll need

Servers with at least four sockets to scale as your demands increase

Processors with Intel VT-x options and other virtualization extensions

Integrated system management

Virtual networking features
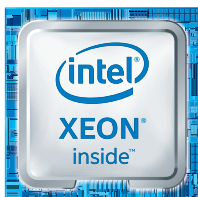
Lenovo Solutions
powered by Intel® Xeon® processors

VMware vSphere® ESXi on Lenovo System x Servers

- Bare-metal hypervisor that installs directly on top of your Lenovo server and partitions it into multiple virtual machines

- All management functionality of vSphere done through remote management tools

- Supported on all Lenovo severs, plus a customized version for select System x hardware for updating and configuring firmware, platform, and enhanced hardware alerts

Microsoft Hyper-V on System x Servers

- Featuring X6 enterprise servers powered by Intel® Xeon® processors

- Provides leading performance for analytical workloads and can be used to maximize compute performance for demanding applications

- Provides modularity and scalability in a system designed for high performance

(intel) **XEON** inside™

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WHAT YOU NEED TO VIRTUALIZE YOUR INFRASTRUCTURE:

Hyperconverged Infrastructure

Lenovo™

Prepare for a Software-Defined Future

With Software-Defined Everything a top priority for IT leaders today, a hyperconverged infrastructure can give your organization the flexibility and agility required to efficiently meet your business needs.

Who It's For

Hyperconverged systems are recommended for organizations that want future-ready modular infrastructure and the ability to manage all components – compute, storage, networking, and backup—through a single interface.

What your hyperconverged solution should feature

Reduced downtime for applications using predictive indicators

Seamless firmware updates

More accurate hardware health reporting

Detailed inventory view

Lenovo Solutions
powered by Intel® Xeon® processors

Lenovo Nutanix Converged HX series

- Integrates software from the market leader in hyperconvergence, Nutanix, onto Lenovo's highly reliable and scalable servers

- Flexible building block of fully integrated and tested compute, storage, and preloaded virtualization management software enables easy scale-out clusters

- Pools compute and storage into a single shared virtual structure for more efficient resource utilization and easy management through a single interface

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HOW LENOVO MAKES A DIFFERENCE

Best-in-class client devices

- From thin clients to the thinnest tablets available, a full product lineup to meet your business requirements
- Innovative design and leading technologies, including the latest Intel® Xeon® processors
- Range of Windows and Android tablets, with the ability to add a keyboard, convert the tablet into a fully functional PC, and connect the tablet to multiple monitors

Best-in-class servers

- System x servers hold several performance, reliability, and efficiency world records
  - We offer world-class up-time, industry-leading performance, highest customer satisfaction, and proven security processes and offerings.
- Virtualization solutions built on modular and scalable Lenovo Flex System servers are designed to be affordable, reliable, and highly available—and deliver the highest-quality and ready-to-deploy hyperconverged appliance.
- Lenovo XClarity provides automated discovery, monitoring, firmware updates, configuration management, and bare metal deployment of operating systems and hypervisors across multiple systems.

One-stop solution implementation

- Lenovo is recognized as a leader in x86 server service and support across the lifecycle from presales consulting services through implementation.
- We offer end-to-end services:
  - Proof of Technology implementation
  - Proof of Concept implementation
  - Assessment and studies
  - Solution design and architecture
  - Implementation and deployment
  - Migration
  - Health checks
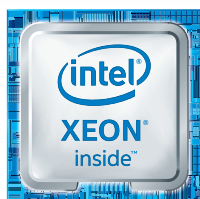
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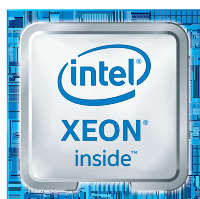**Lenovo.com/VirtualizationSolutions**

READY TO MAKE VIRTUALIZATION A REALITY FOR YOUR BUSINESS?

Contact Lenovo today

Learn more at **lenovo.com/virtualizationsolutions.**

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