

# MORE HARDWARE OR MORE OUTPUT?

Virtualization makes the decision easy in a software-defined world



## DID YOU KNOW?

1. Software-defined everything is the future of virtualization.
2. Without a software-defined environment, you will be using only 60%-70% of your hardware's capability.
3. Storage and networking are the easiest to migrate.

## ARE YOU READY FOR A SOFTWARE-DEFINED FUTURE?

Here's how to get there.

### STEP 01

VIRTUALIZE STORAGE RESOURCES TO GET TO **SOFTWARE-DEFINED STORAGE (SDS)**



#### THE FUTURE

STORAGE FOR BIG DATA & ANALYTICS

Up to

# 80%

of unstructured data will be managed on lower-cost SDS by 2020.

#### WHY THIS MATTERS

- Improves virtual desktop machine performance
- Reduces storage capacity requirements
- Allows dynamic scale-out
- Simplifies desktop and server image management and maintenance

VIRTUALIZE NETWORK RESOURCES TO GET TO **SOFTWARE-DEFINED NETWORKS (SDN)**

### STEP 02



#### THE FUTURE

INFRASTRUCTURE FLEXIBILITY

# 10X

more enterprises worldwide deployed SDN from 2014 to 2016

#### WHY THIS MATTERS

- Cuts network hardware investment significantly with support for Layer 1 through Layer 3 networking models
- Allows control over virtual and physical networking using a centralized management tool
- Makes it easy for virtual administrators to provide virtual machines with internet access
- Uses API references to easily extend capabilities that control networking traffic behavior

### STEP 03

VIRTUALIZE THE DATA CENTER TO GET TO THE **SOFTWARE-DEFINED DATA CENTER (SDDC)**



#### THE FUTURE

DATA CENTER AGILITY

The demands of digital business will

# OUTPACE

IT's ability to deliver.

#### WHY THIS MATTERS

- Forms the foundation for the next generation of cloud computing
- Streamlines and automates data center operations to reduce OpEx up to 56%
- Speeds innovation in application development and deployment
- Cuts probability of human error



#### Enable a Smooth Transformation with the Right Partner

Get all the solutions you need from a single partner that can enable easy deployment and integration.

## Lenovo solutions for next-generation IT infrastructure

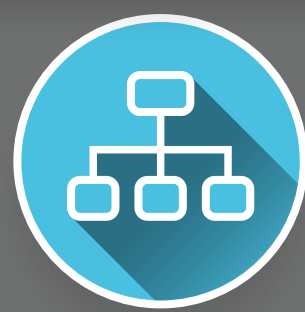
powered by Intel® Xeon® processors



#### Software-Defined Storage

Lenovo Storage DX (C-series) powered by Cloudian — ideal for object storage

Lenovo Storage DX (N-series) powered by NexentaStor — ideal for block and file storage



#### Software-Defined Networking

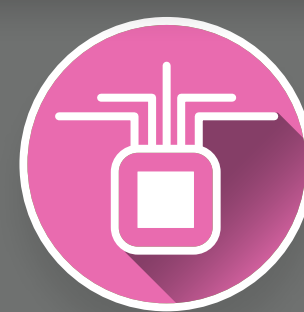
Lenovo Cloud Networking OS (CNOS)



#### Server Virtualization

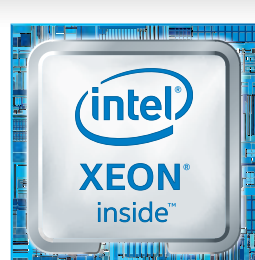
VMware vSphere® ESXi on Lenovo System x servers

Microsoft Hyper-V on System x servers



#### Hyperconverged Infrastructure

Lenovo-Nutanix HX series hyperconverged solutions



Intel® Inside. Powerful Productivity Outside

Learn more at [lenovo.com/virtualizationsolutions](http://lenovo.com/virtualizationsolutions).