

New Model for IT: Cloud Service Provider



IT must deliver speed, agility, and security.

The Software Defined Data Center — Critical to modern IT



Infrastructure is virtualized, pooled, and delivered on demand.



SDDCs deliver a **56% annual reduction** in provisioning and management.



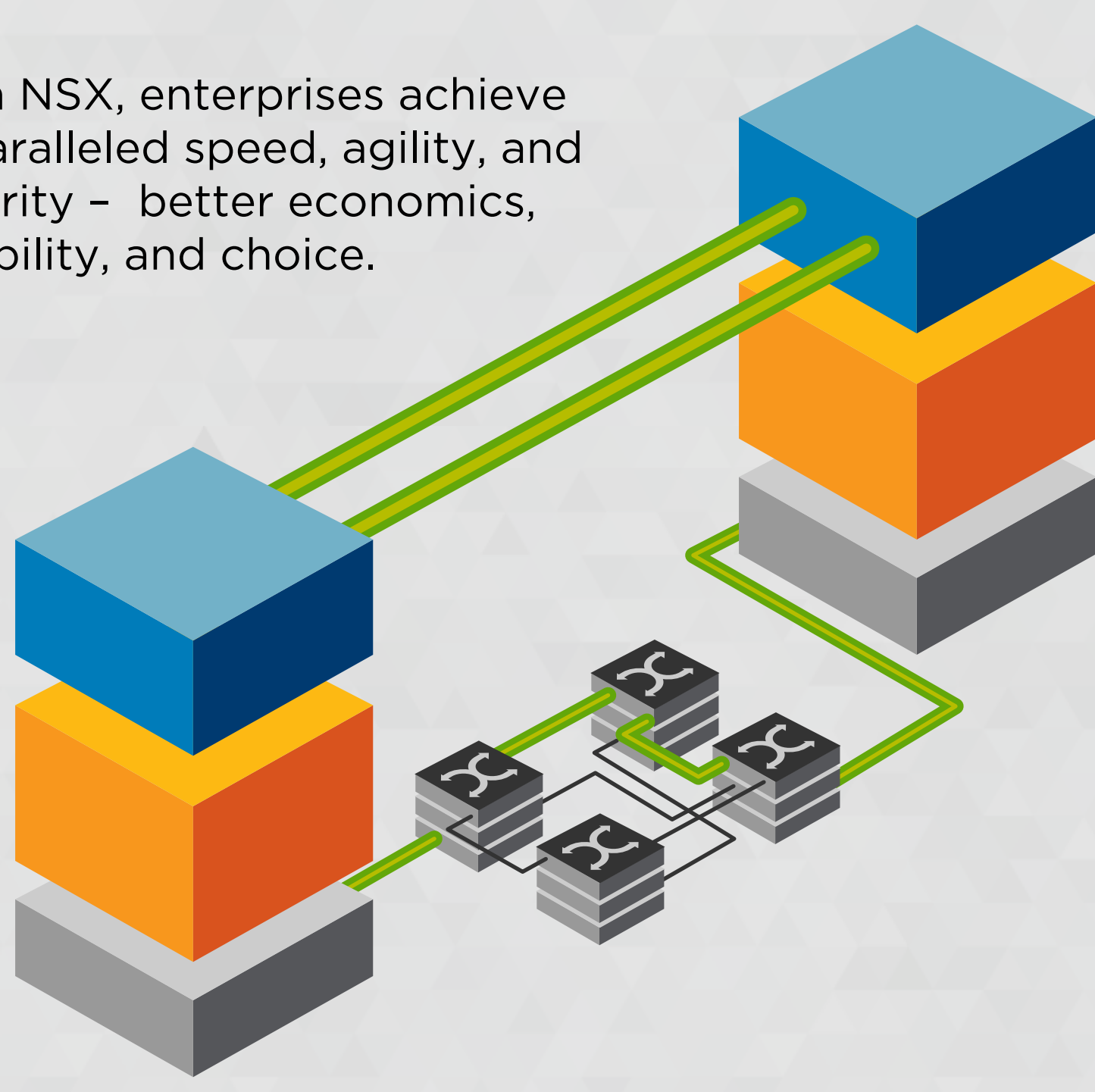
Days to provision a production network reduced **from weeks to minutes.**



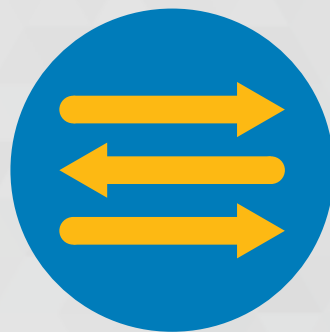
Powering the SDDC: VMware NSX network virtualization and security with VMware storage and server virtualization

VMware NSX Network Virtualization and Security

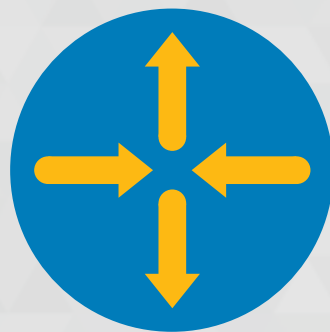
With NSX, enterprises achieve unparalleled speed, agility, and security – better economics, flexibility, and choice.



NSX reproduces network functions in software



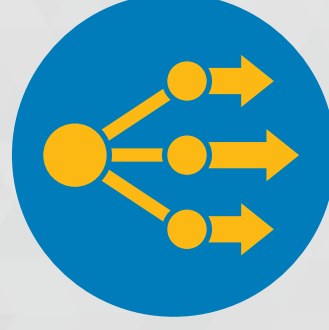
Switching



Routing



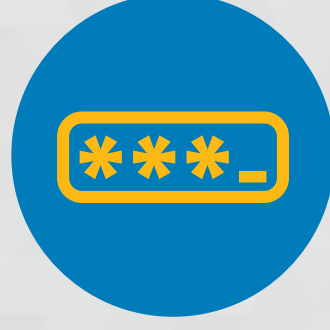
Firewalling



Load Balancing



VPN



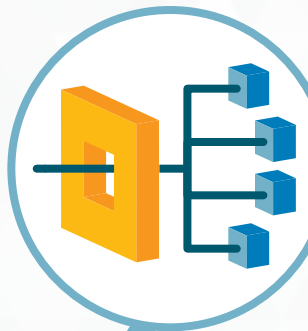
Access Control



Quality of Service

IT Challenges:

More Speed, Agility & Security for Less



Challenge 1:
Advanced Persistent Threats and Security
Once inside the firewall, threats multiply from server to server



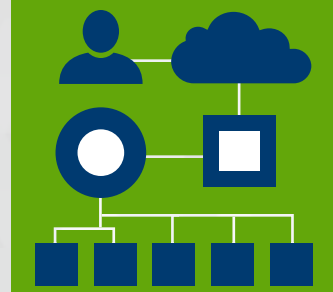
Challenge 2:
Hardware Limitations & Lock-Ins



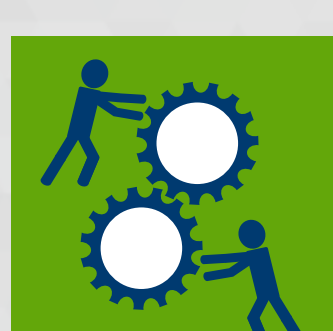
Challenge 3:
Error-Prone Manual Configuration

Average cost of a data breach incident in US:
\$5.85 million

NSX Addresses Those Challenges



Micro-Segmentation for Security
Firewall controls and security for East-West traffic inside the data center. Minimizes the risk and impact of data breaches. Approximately 68% CapEx savings.



IT Automating IT— Reduce Manual Errors
Reduces the manual effort and cycle time for network provisioning and management. Accelerates IT service delivery and time-to-market for new applications. 56-86% OpEx savings.



IT Optimization & Refresh — Flexible Infrastructure
Catalyst to modern leaf / spine network fabrics, bare metal switches, open networking, and other data center optimizations. 66-88% CapEx savings.



Disaster Recovery
Cloud-scale service availability. Reduces the risk and impact of unplanned outages. OpEx savings of \$690,000 to tens of millions of dollars (USD) per incident.

Benefits:

Speed, Agility, Security & Reliability



Minimizes Risk & Impact of Data Breaches



Speeds IT Service Delivery & Time to Market



Simplifies Network Traffic Flows



Increases Service Availability



Improves Negotiation & Buying Leverage



Optimizes Use of Network Engineers

www.vmware.com/products/nsx

www.vmware.com/products/nsx/resources.html