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What is NSX in networking?

VMware NSX is **a network virtualization and security platform that enables the virtual cloud network**, a software-defined approach to networking that extends across data centers, clouds and application frameworks.

How does NSX work in VMware?

How Does VMware NSX Work? VMware NSX **uses software to create virtual switches and routers that are used to control traffic that passes through your network infrastructure**. NSX allows all other network components to be virtualized. VMware NSX decouples your network from your existing hardware

What is the difference between ESXi and NSX?

**ESXI hosts are hypervisors where VMware software is loaded.** **NSX solutions are build to remove all manual configurations on switches and routers**. Memory over commitment and deduplication, memory ballooning, network traffic shaping, network interface card teaming etc.

Who uses NSX?

VMware NSX is most often used by companies with 50-200 employees and >1000M dollars in revenue. Our data for VMware NSX usage goes back as far as 6 years and 6 months.  
...  
Who uses VMware NSX?

|  |  |
| --- | --- |
| **Company** | **SMC Corporation of America** |
| Country | China |
| Revenue | >1000M |
| Company Size | 1000-5000 |
| Company | Red Hat Inc |

Is NSX an SDN?

**NSX falls under the rubric of software-defined networking (SDN)**, which extends the server virtualization concept popularized by VMware into the networking space.

Is VMware NSX worth it?

VMware NSX is #1 ranked solution in top Network Virtualization tools, #2 ranked solution in best Cloud Security companies, #2 ranked solution in top Network Automation tools, and #2 ranked solution in top Microsegmentation Software tools. **PeerSpot users give VMware NSX an average rating of 7.8 out of 10**.

What is VMware and why it is used?

VMware Workstation is the first product ever released by the software company. **It enables users to create and run VMs directly on a single Windows or Linux desktop or laptop**. Those VMs run simultaneously with the physical machine. Each VM runs its own OS such as Windows or Linux.

Does NSX need vSphere?

While there is a version of NSX for non-vSphere environments, **the primary target is vSphere**. NSX provides tight integration with VMware vCenter's database; the integration allows for a natural extension of vSphere constructs to the network.

VMware in 2012 made a [$1 billion bet on the small startup Nicira](http://www.zdnet.com/article/vmware-buys-nicira-for-1-05-billion/) that enterprise IT managers would see the value of server and storage virtualization and extend that construct to the network. VMware’s follow-on product to Nicira–the [NSX network hypervisor](https://www.vmware.com/products/nsx.html)–seems to have paid off.

NSX is best known for the ability to provide zero-trust security between virtual machines, however, VMware would like to highlight the value of moving more of the intelligence away from network hardware devices to software-based controllers. Enterprise networks are one of the last areas of IT that have not been impacted by software abstraction–until recently.

Many tech analysts believe the time of the [software-defined network](https://www.techrepublic.com/resource-library/downloads/sdn-and-the-data-center-deployment-plans-business-drivers-and-preferred-vendors/) (SDN) has arrived. Public cloud companies such as [AWS](http://www.techrepublic.com/article/amazon-web-services-the-smart-persons-guide/) have long embraced SDN, and [Cisco’s announcement of its intent-based management](http://www.techrepublic.com/article/cisco-live-2017-chuck-robbins-discusses-networking-security-and-the-acceleration-of-the-apple/) signals changes within the industry. This guide to VMware NSX is a brief introduction to the virtualization product.

***Update:***VMware announced [*end of life for NSX data center*](https://kb.vmware.com/s/article/55793) (NSX-V) in 2018, and as of mid-2020 is actively encouraging people to [*migrate to NSX-T*](https://kb.vmware.com/s/article/55793), the newer cloud-native version of NSX that is decoupled from the hypervisor. NSX-V 6.3 has already reached end of general support, and its end of technical guidance data is February 2, 2021. NSX-V 6.4 will reach end of general support on January 16, 2022, and end of technical guidance on January 16, 2023. NSX customers should consider [*migrating to NSX-T*](https://www.vmware.com/products/nsx/migrate-to-nsx-t.html?src=WWW_us_VMW_Dgpd3e24NwUcbjYAuPaR&amp;int_cid=70134000001CV21) as soon as possible to avoid service interruption.

