

NSX From Scratch

The SDN solution from VMware



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Course Content

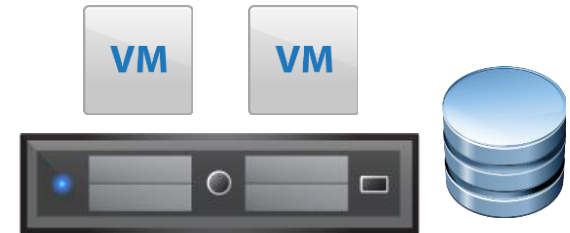
1. Introduction to SDN and NSX
2. Lab setup
3. NSX components
4. Architecture and sample designs
5. Preparing the physical network
6. Deploying NSX manager
7. Deploying controller(s)
8. Preparing vSphere clusters
9. Creating logical switches
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12. Exploring Security features
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14. Security Groups
15. Identity-based firewall
16. SpoofGuard
17. Application Rule Manager (ARM)
18. Deploy ESG
19. Configuring OSPF
20. Load balancer
21. SSL VPN-PLUS
22. Flow monitoring
23. vRealize Network Insight

Required Experience

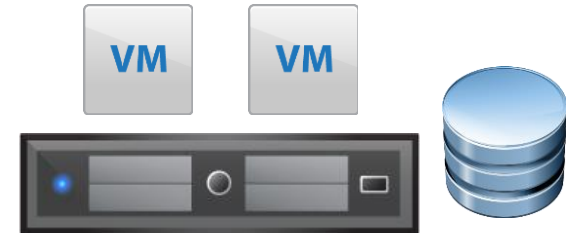
- VMware vSphere – 2 years.
- Microsoft Active Directory – 1 year.
- CCNA with hands-on experience.
- Firewalls – 1 year.

What is Software-Defined Networking?

Traditional Physical workload



Traditional Physical Storage



NSX from Scratch - Introduction

Traditional Network



VLAN01



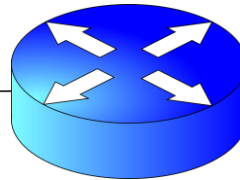
VLAN02



VLAN01



VLAN02



SDN



VLAN01



VLAN02

Virtual Network



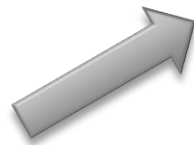
Cisco



HPE



Huawei



Physical Network

Benefits of NSX

- Suits small, medium, and large businesses.
- Micro-segmentation (distributed firewall).
- Distributed routing.
- Supports tenants (isolated networks).
- DHCP server.
- Agentless Anti-virus*.
- NAT.
- Site-to-site VPN.
- Client VPN.
- Load balancer.
- Flow tracking and monitoring.



NSX from Scratch - Introduction

NSX Datacenter Technology Partners



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