

Virtualize From Scratch | VMWare vSphere 6.5

Learn how to build virtualization environments from ground up

vSphere Storage: Basics & Configuration



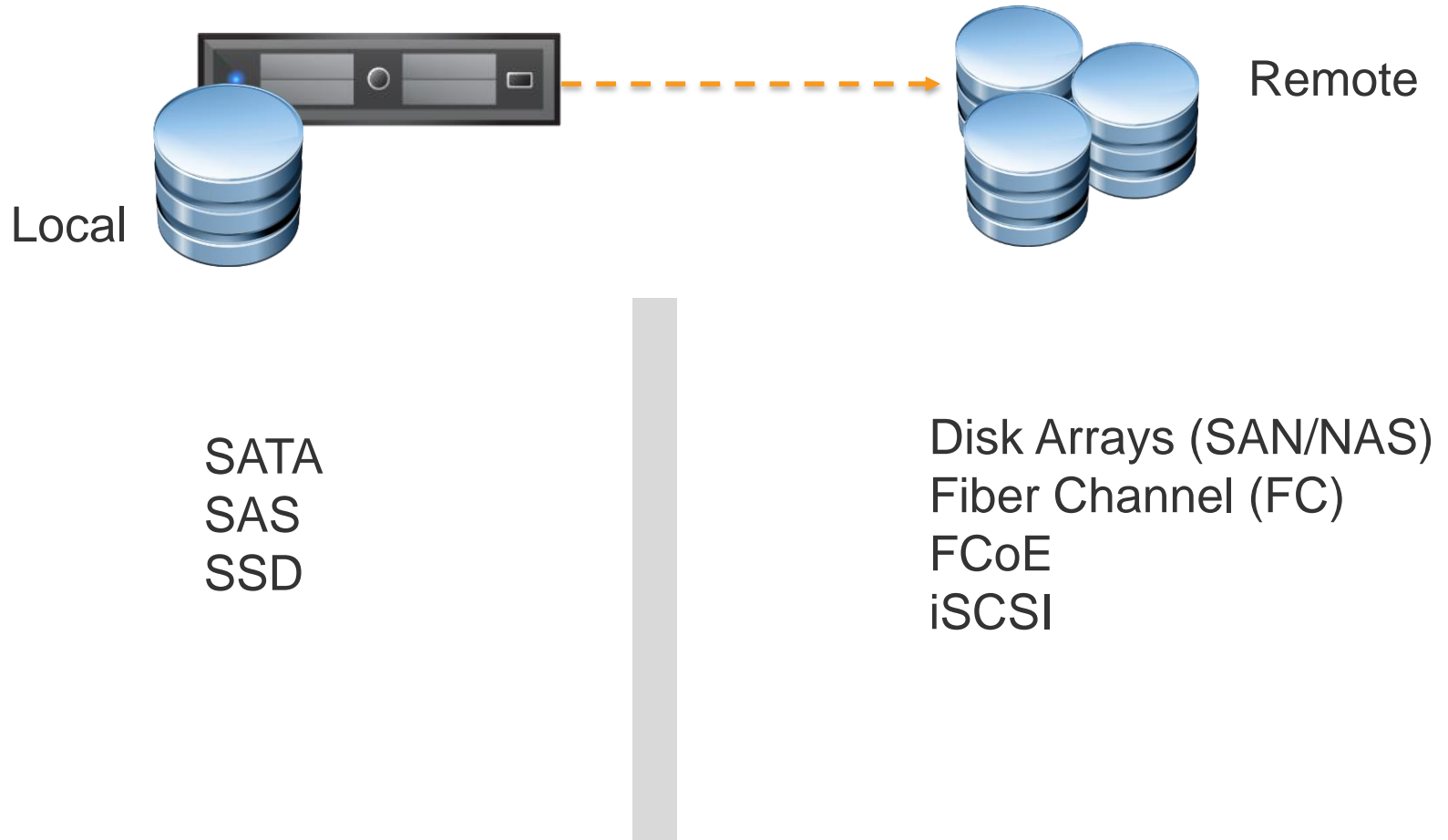
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Course Content

1. Introduction to Virtualization.
2. What is the "Hypervisor" and how it works?.
3. VMWare vSphere core products and LAB setup.
4. Install ESXi Server.
5. Explore ESXi configuration.
6. Deploy your first VM.
7. Deploy vCenter Server.
8. vCenter: Add ESXi host(s).
9. ESXi Network Configuration.
- 10. vSphere Storage: Basics & Configuring.**
11. vMotion / Storage vMotion.
12. DRS / SDRS.
13. vSphere High Availability (HA).
14. Resource Pools.
15. VM Operations: Snapshots.
16. VM Operations: VM Clone and linked-clone.
17. VM Operations: VM Template.
18. VM Operations: Fault Tolerance (FT).
19. vSphere Networking; Distributed Switch.
20. Content Library.
21. Host Profiles.
22. Integrating vCenter with Directory Services.
23. Define User Permissions.
24. Securing vSphere Environment.
25. vSphere Update Manager (VUM).
26. vROPS.
27. vSphere Documentation.

Storage Types



Local Storage

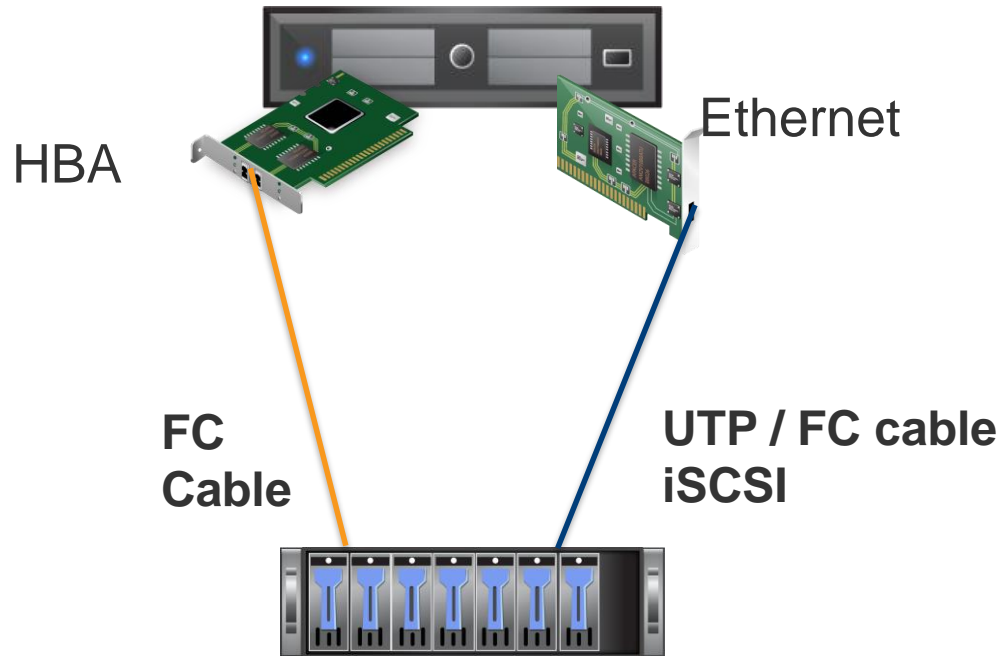


Rack-mount Server

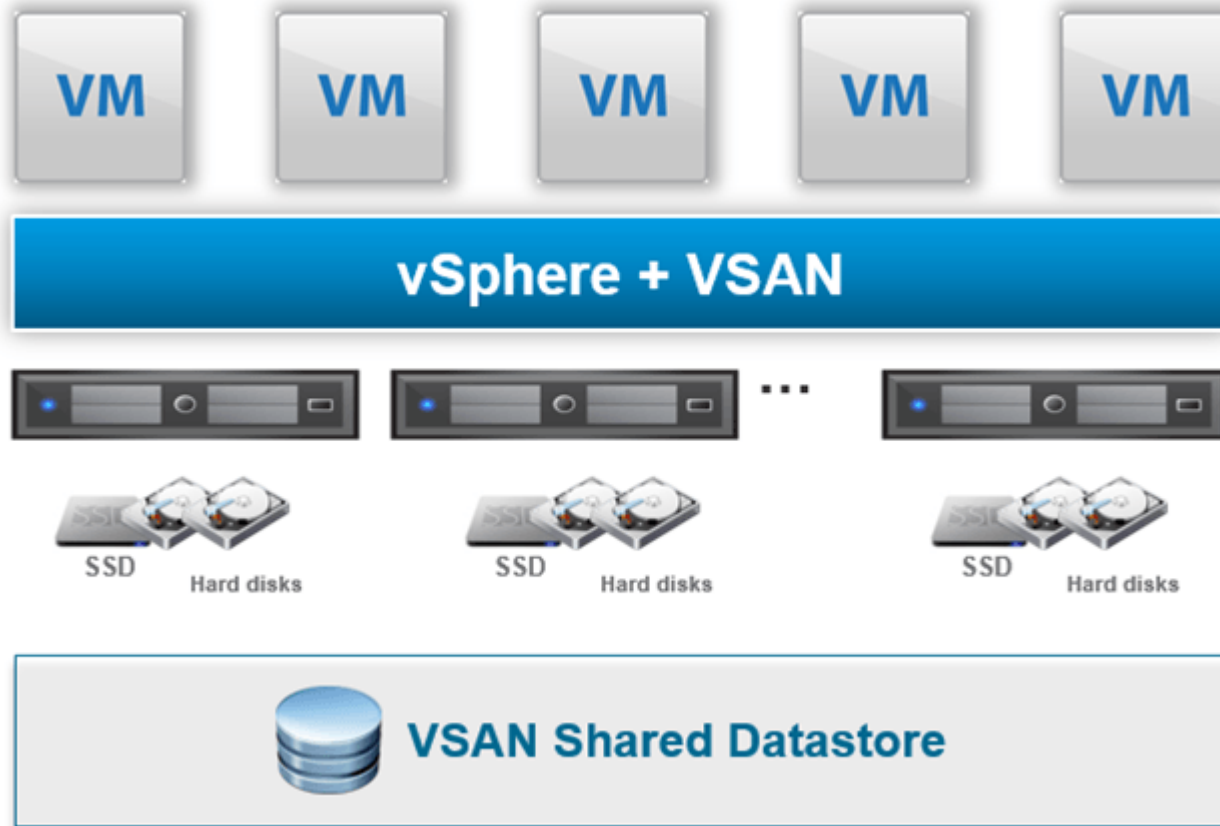
JBOD Just-A-Bunch-Of-Disks




Remote Storage



Virtual Storage | VMware vSAN









Virtualize From Scratch: vSphere Storage | Basics & Configuration



VMWare - VSAN 6.5 - Deep Dive
10 videos • 562 views • Last updated on Mar 1, 2017

Mohamed Roushdy

VMWare VSAN

- 1  **VMWare VSAN 6.5-Deep Dive- Introduction - بالعربي**
Mohamed Roushdy
45:47
- 2  **VMWare VSAN 6.5-Deep Dive- VSAN Networking Configuration - بالعربي**
Mohamed Roushdy
13:51
- 3  **VMWare VSAN 6.5-Deep Dive- VSAN Cluster Configuration - بالعربي**
Mohamed Roushdy
18:06
- 4  **VMWare VSAN 6.5-Deep Dive - Creating VM - بالعربي**
Mohamed Roushdy
24:45
- 5  **VMWare VSAN 6.5-Deep Dive - Configuring iSCSI Target - بالعربي**
Mohamed Roushdy
15:40
- 6  **VMWare VSAN 6.5-Deep Dive - Hardware parts - بالعربي**
Mohamed Roushdy
25:13

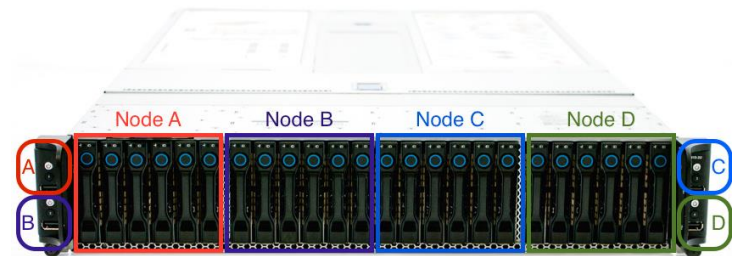
Hyper-converged Servers



Dell-EMC vXRAIL



Rear View



Front View

Storage Supported File Systems

- VMFS.
- NFS.
- VVOL.
- On-Disk Format (VSAN).

Disk Provisioning Types

Thin

A horizontal bar representing a disk. The left portion is filled with a gradient from yellow to orange and contains the text '80GB'. The right portion is an empty white box with an orange border, representing unallocated space.

80GB

Thick – Eager-zeroed

A solid orange horizontal bar representing a disk that is fully allocated and zeroed out.

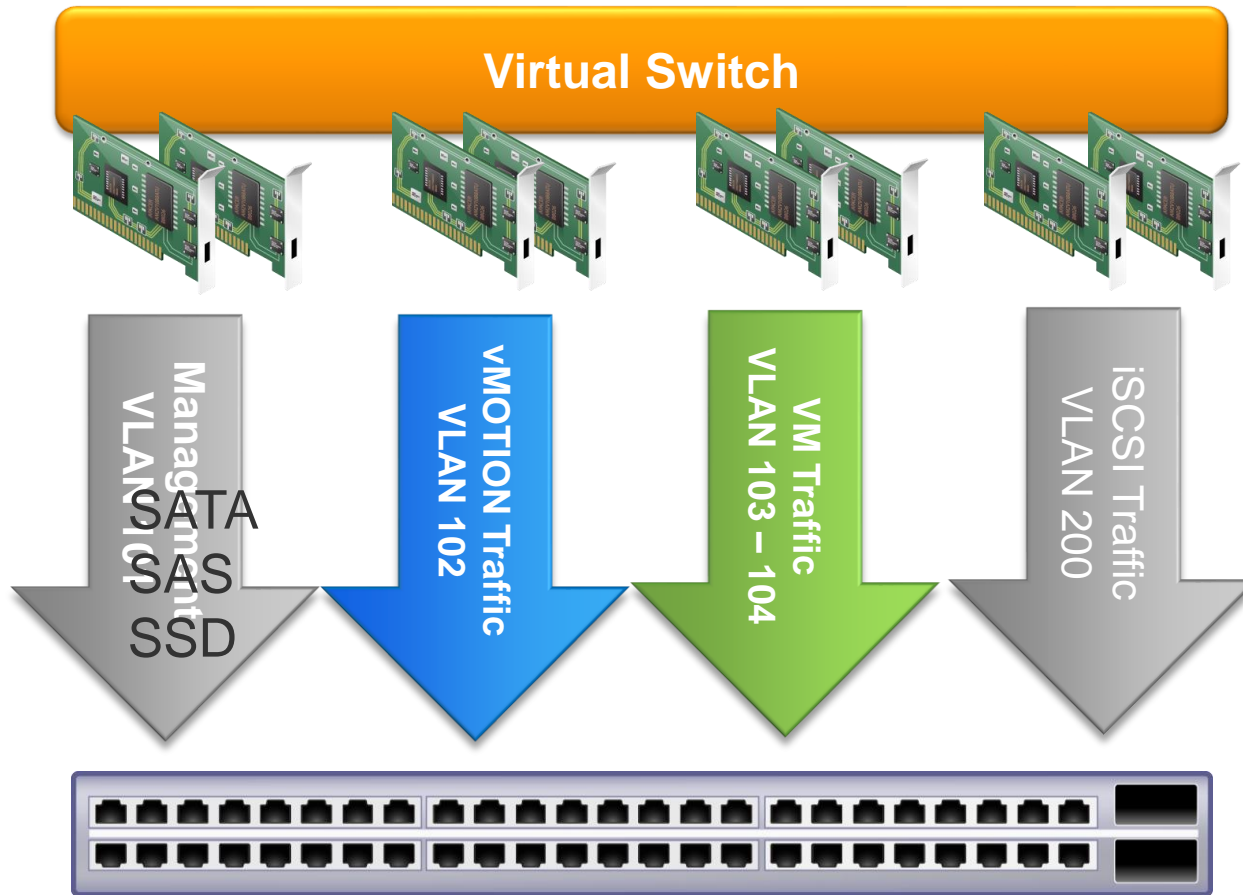
100GB

Thick – Lazy-zeroed

A solid blue horizontal bar representing a disk that is fully allocated but not zeroed out.

100GB

Lab: ESXi Host Network Connectivity







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