Center Server 6.0 v

Mohan Potheri, Sr. Solutions Architect
Technical Marketing, VMware

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vCenter Server 6.0 Platforms

Which Platform?

Metric	Windows	Appliance
Hosts per VC	1,000	1,000
Powered on VMs per VC	10,000	10,000
Hosts per cluster	64	64
VMs per cluster	6,000	6,000
Linked Mode	✔	✔

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Platform Features - Increased vSphere Maximums

Up to 4X Scale Improvement with vSphere 6

	vSphere 5.5	vSphere 6	
Hosts per Cluster	32	64	2x
VMs per Cluster	4,000	8,000	2x
CPUs per Host	320	480	1.5x
RAM per Host	4 TB	12 TB	3x
VMs per Host	512	2,048	4x
Virtual CPUs per VM	64	128	2x
Virtual RAM per VM	1 TB	4 TB	4x

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Linked Mode

	vSphere 5.5	vSphere 6.0
Windows	Yes	Yes
Appliance	No	Yes
Single Inventory View	Yes	Yes
Single Inventory Search	Yes	Yes
Replication Technology	Microsoft ADAM	Native
• Roles & Permissions	Yes	Yes
• Licenses	Yes	Yes
• Policies	No	Yes
• Tags	No	Yes

vCenter Server 6 Components

vCenter Server 5.1 or 5.5

vCenter Inventory Service
vSphere Web Client
vSphere ESXi Dump Collector
vSphere Syslog Collector
vSphere Auto Deploy
vCenter Server

vCenter Single Sign-On

vCenter Server 6.0

vCenter Server
- vCenter Inventory Services
- vSphere Web Client
- vSphere Auto Deploy
- vSphere ESXi Dump Collector
- vSphere Syslog Collector
- vCenter Server

Platform Services Controller
- vCenter Single Sign-On
- vSphere License Service
- VMware Certificate Authority

- vCenter Server 6 has been consolidated into two components
  - vCenter Server Node
  - Platform Services Controller
- Single sign-on has evolved into PSC
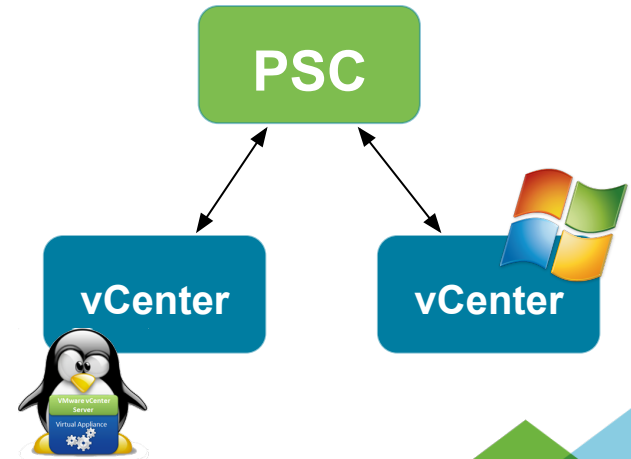- All other components consolidated in vCenter Server

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VMware Platform Services Controller (PSC)
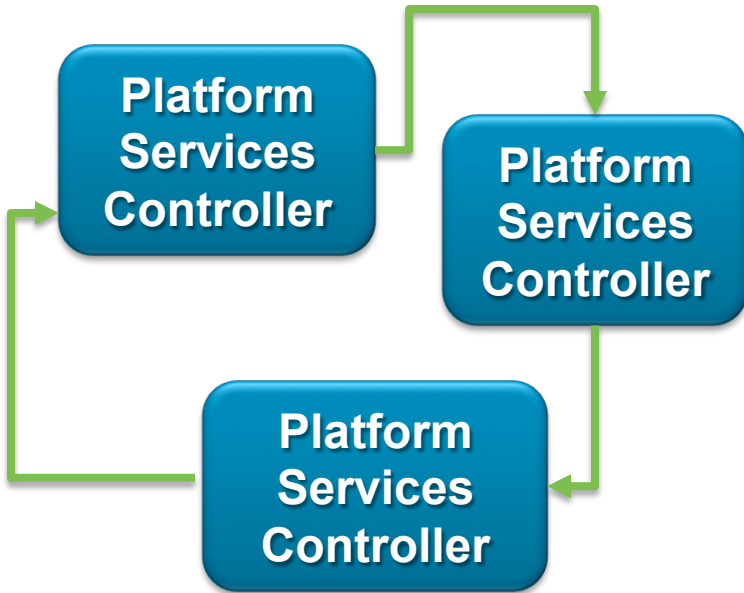
- No longer just Single Sign-On
  - We're adding additional services

- Platform Services Controller includes a set of common infrastructure services that are used by the vCloud Suite (vCenter, vCAC, vCOPS, etc)
  - Single Sign-On (SSO)
  - Licensing
  - Certificate Authority
  - Certificate Store
  - Service (Product) Registration
  - Tagging and categories
  - Global Permissions

- Platform Services Controller supports data replication

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vCenter Server 6.0

- Two deployment models
  - Embedded
    - vCenter Server and Platform Services Controller in one virtual machine.
      - Recommended for small deployments where there is less then two SSO integrated solutions.

  - External
    - vCenter Server and Platform Services Controller in their own virtual machines.
      - Recommended for most deployments where there are two or more SSO integrated solutions.

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vCenter Server Appliance Install

- New Guided Install

- Choose deployment type

- All input up front & validated

- Pre-Check functionality

- Scripted Install for Advanced Administrators

vCenter Appliance Install Walk Through

vMotion Enhancements

vMotion Feature Timeline

v6.0:
Cross-vSwitch,
Cross-vCenter &
Long Distance vMotion

v5.5:
Metro VPLEX support,
IPv6 Improvements

v5.1:
vMotion without
shared storage

v5.0:
Multi-NIC vMotion,
Stun During Page Send (SDPS)

vMotion (2003)

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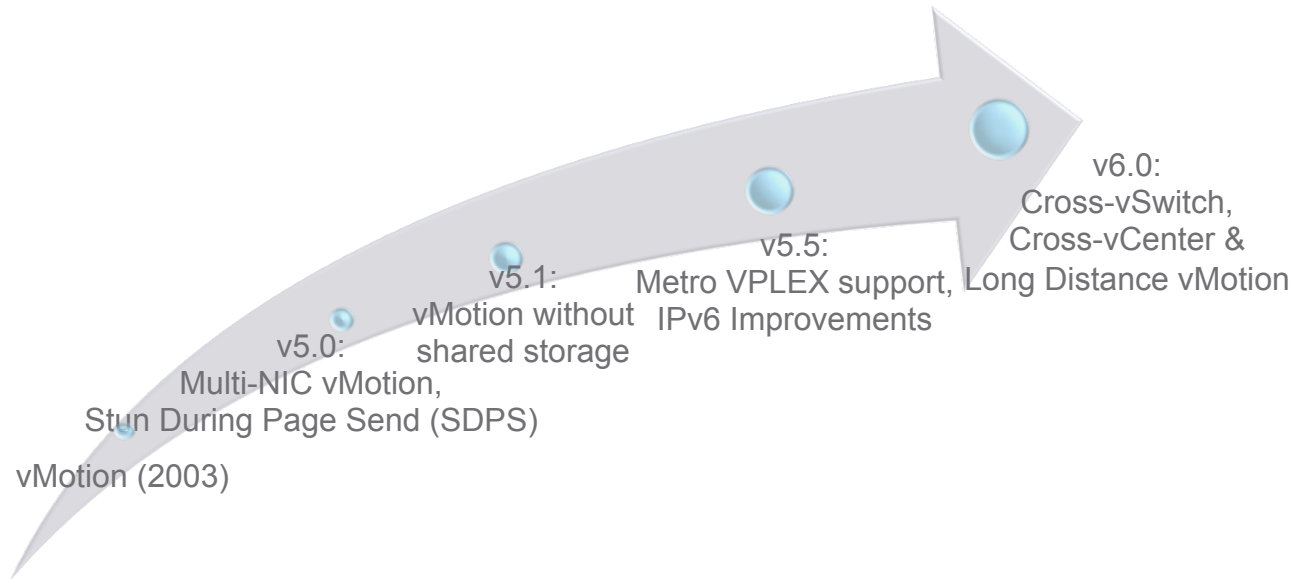
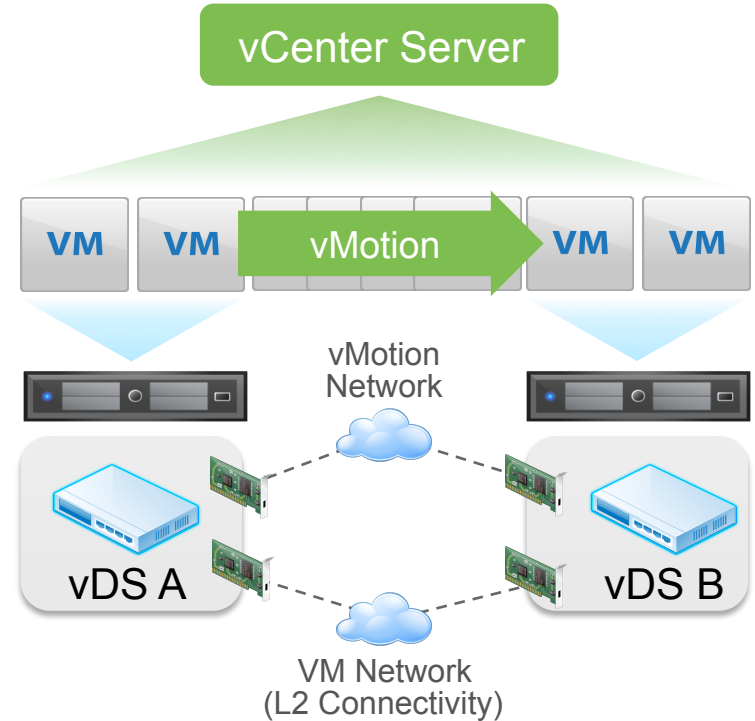# vCenter Server 6.0 - Cross vSwitch vMotion

- Transparent operation to the guest OS

- Works across different types of virtual switches
  - vSS to vSS
  - vSS to vDS
  - vDS to vDS

- Requires L2 network connectivity
  - Does not change the IP of the VM

- Transfers vDS port metadata

vCenter Server

VM VM vMotion VM VM

vMotion Network

vDS A   vDS B

VM Network
(L2 Connectivity)

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vCenter Server 6.0 - Cross vCenter vMotion

- Simultaneously changes
  - Compute
  - Storage
  - Network
  - vCenter

- vMotion without shared storage

- Increased scale
  - Pool resources across vCenter servers

- Targeted topologies
  - Local
  - Metro
  - Cross-continental

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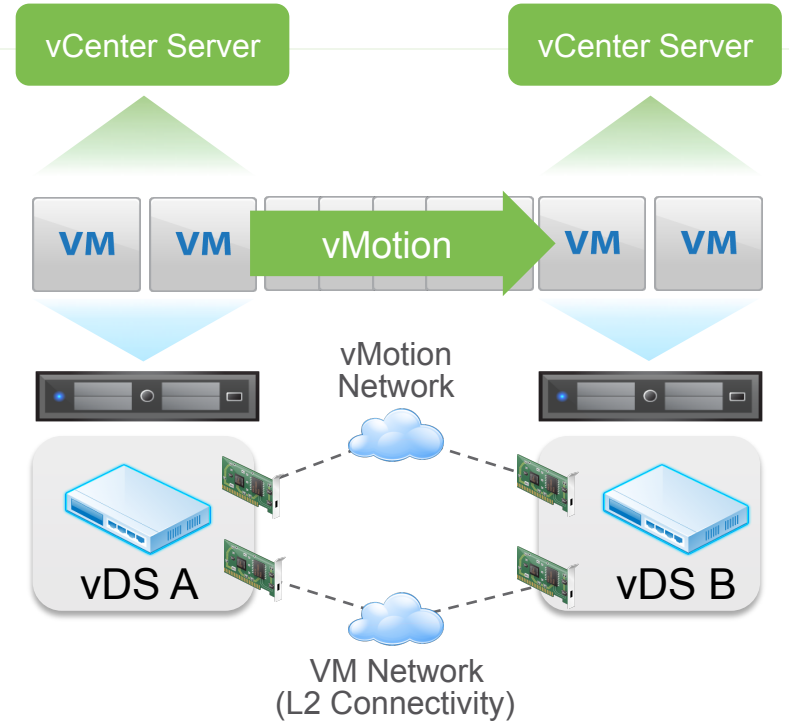
vCenter Server 6.0 - Long Distance vMotion

- Cross-continental distances – up to 100ms RTTs

- Maintain standard vMotion guarantees

- Does not require VVOLs

- Use Cases:
  - Permanent migrations
  - Disaster avoidance
  - Multi-site load balancing
  - Follow the sun

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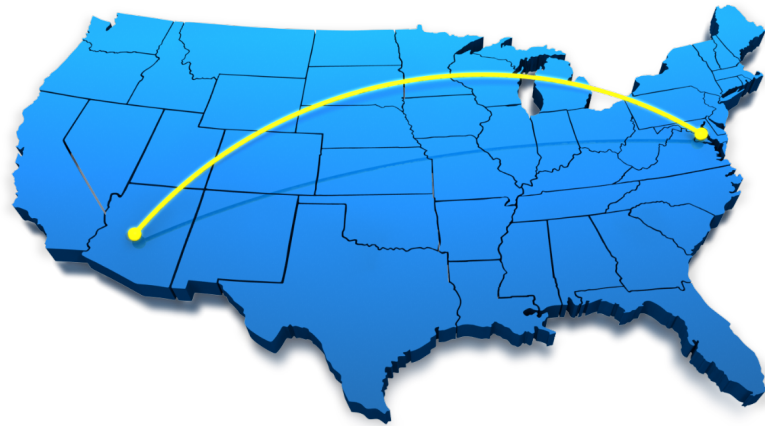
Cross vCenter vMotion Walk Through

Content Library

vCenter Server 6.0 - Content Library Overview

Simple content management

- VM templates, vApps, ISO images, Scripts

Store and manage content

- One central location to manage all content
  - Beyond templates within vCenter
- Support for other file types

Share content

- Store once, share many times
  - Publish/Subscribe
- vCenter -> vCenter
- vCloud Director -> vCenter

Consume content

- Deploy templates to a host or a cluster

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What about existing VM templates ?

|	VM Templates	Content Library
Cross vCenter Sync	✗	✓
ESX Host agnostic	✗	✓
Deploy to VDC	✗	✓
VDC Policies	✗	✓
OVF support	✗	✓
Multi-VM support	✗	✓
Storage format	.vmtx + .vmdk	.ovf + .vmdk
Container	Folders	Libraries

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Content Library Walk Through

vSphere Web Client 6.0

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vSphere Web Client

- Single Platform Support (Windows)
  - **vSphere Web Client is Platform Agnostic**

- Scalability Limits
  - **Built to handle thousands of objects**

- White Screen of Death
  - **Performance**

- Inconsistent look and feel across VMware solutions
  - **Extensibility**

- Workflow Lock
  - **Pause current task and continue later right where you left off**
  - **Browser Behavior**

- Upgrades
  - **Upgrade a Single server side component**

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Web Client Performance Improvements
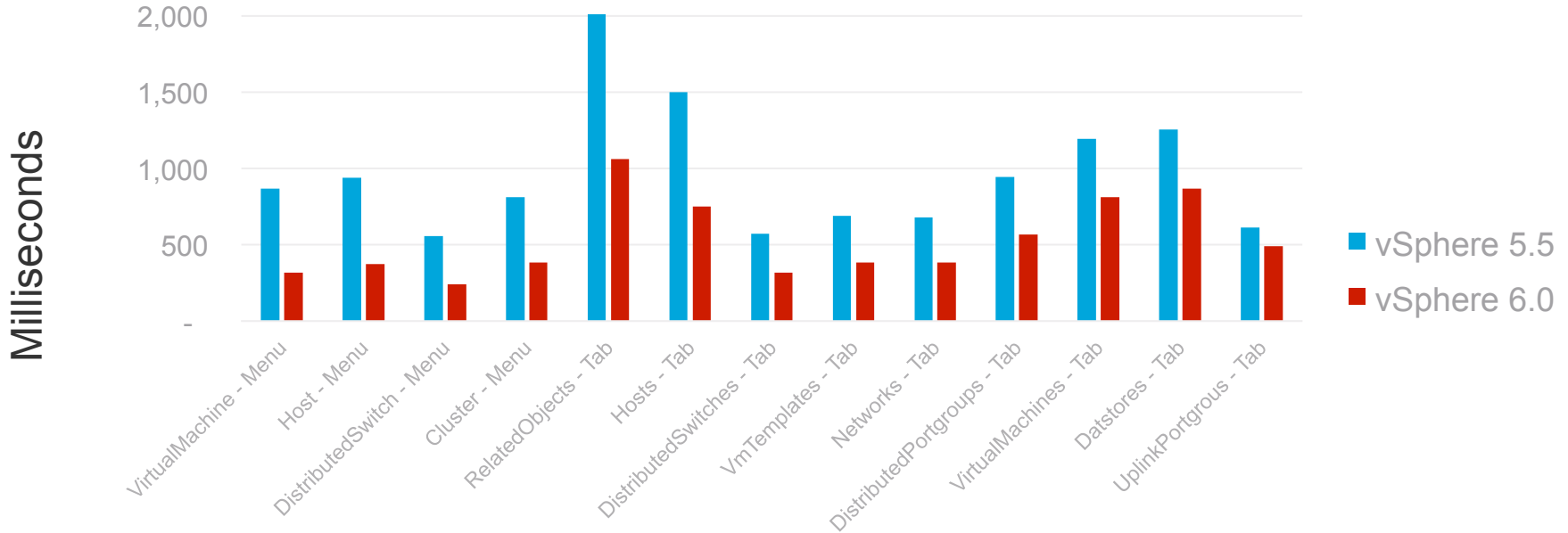
Problem: Everything is slow.

Fix: Performance improvements made in as many common actions as possible

Conclusion

- vCenter Server 6 has been redesigned and enhanced providing these important benefits:

  - Increased scalability with parity between Windows and Appliance versions

  - New simplified architecture with high availability options

  - Enhanced linked mode with global sharing of permissions, tags, licenses, etc.

  - Cross vCenter Server and Long Distance vMotion

  - Content Library for shared templates and images across vCenter Servers

  - Drastically improved vSphere web client performance

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Resources

- PSC FAQ - http://kb.vmware.com/kb/2113115

- vCenter Availability Guide - http://www.vmware.com/files/pdf/techpaper/VMware-vCenter-Server6-Availability-Guide.pdf

- Deployment Guide - https://www.vmware.com/resources/techresources/10453

- Feature Walk Through - http://featurewalkthrough.vmware.com/#!/vsphere-6-0

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VMware vSphere 6.0

vCenter Server Appliance 6.0 Installation
with Embedded Platform Services Controller
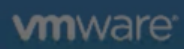
This PC

File   Computer   View

This PC

Search This PC

Name	Type	Total Size	Free Space

Favorites
- Desktop
- Downloads
- Recent places

Folders (6)

Name	Type	Total Size	Free Space
Desktop	System Folder		
Documents	System Folder		
Downloads	System Folder		
Music	System Folder		
Pictures	System Folder		
Videos	System Folder		

This PC
- Desktop
- Documents
- Downloads
- Music
- Pictures
- Videos
- System (C:)
- Applications (D:)

Devices and drives (4)

Name	Type	Total Size	Free Space
Floppy Disk Drive (A:)	Floppy Disk Drive		
System (C:)	Local Disk	39.6 GB	25.8 GB
Applications (D:)	Local Disk	39.9 GB	39.9 GB
DVD Drive (Z:) VMware VCSA	CD Drive	2.78 GB	0 bytes

DVD Drive (Z:) VMw:

Network

10 items

6:29 AM

VMware vCenter Server Appliance Deployment

End User License Agreement
Please read the following license agreement before proceeding.

1 **End User License Agreement**
2 Connect to target server
3 Set up virtual machine
4 Select deployment type
5 Set up Single Sign-on
6 Single Sign-on Site
7 Select appliance size
8 Select datastore
9 Configure database
10 Network Settings
11 Ready to complete

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1. DEFINITIONS.

1.1 "Affiliate" means, with respect to a party, an entity that is directly or indirectly controlled by or is under common control with such party, where "control" means an ownership, voting or similar interest representing fifty

☐ I accept the terms of the license agreement.

Print

Back   Next   Finish   Cancel

file:///Z:/vcsa-setup.html#/

VMware vCenter Server Appliance Deployment

1 End User License Agreement

2 Connect to target server

3 Set up virtual machine

4 Select deployment type

5 Set up Single Sign-on

6 Single Sign-on Site

7 Select appliance size

8 Select datastore

9 Configure database

10 Network Settings

11 Ready to complete

Connect to target server
Specify the ESXi host on which to deploy the vCenter Server Appliance.

FQDN or IP Address: w3r6c5-tm-stw06-01.demo.vmware.co

User name: root

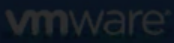Password: ••••••

⚠ Before proceeding:

- Make sure the ESXi host is not in lock down mode or maintenance mode.
- When deploying to a vSphere Distributed Switch (VDS), the appliance must be deployed to an ephemeral portgroup. After deployment, it can be moved to a static or dynamic portgroup.

Back   Next   Finish   Cancel

6:35 AM

file:///Z:/vcsa-setup.html#/

VMware vCenter Server Appliance Deployment

✓ 1 End User License Agreement

2 Connect to target server

3 Set up virtual machine

4 Select deployment type

5 Set up Single Sign-on

6 Single Sign-on Site

7 Select appliance size

8 Select datastore

9 Configure database

10 Network Settings

11 Ready to complete

Connect to target server
Specify the ESXi host on which to deploy the vCenter Server Appliance.

FQDN or IP Address: w3r6c5-tm-stw06-01.demo.vmware.co

Certificate Warning

An untrusted SSL certificate is installed on w3r6c5-tm-stw06-01.demo.vmware.com and secure communication cannot be guaranteed. Depending on your security policy, this issue might not represent a security concern.

The SHA1 thumbprint of the certificate is:

D5:E7:05:85:69:5E:38:3E:E6:D1:81:0E:84:6F:0B:13:D6:02:34:8B

To accept and continue, press Yes

| Yes | No |

...node.

...ce must be deployed to an ephemeral ...ortgroup.

Back   Next   Finish   Cancel

6:35 AM

file:///Z:/vcsa-setup.html#/

VMware vCenter Server 6.0 Appliance Installation with Embedded Platform Services Controller.mp4

VMware vCenter Server Appliance Deployment

✓ 1 End User License Agreement
✓ 2 Connect to target server
3 Set up virtual machine
4 Select deployment type
5 Set up Single Sign-on
6 Single Sign-on Site
7 Select appliance size
8 Select datastore
9 Configure database
10 Network Settings
11 Ready to complete

Set up virtual machine
Specify virtual machine settings for the vCenter Server Appliance to be deployed.
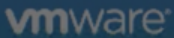
Appliance name: w3-tm-vcsa-002   ⓘ

OS user name: root

OS password: •••••••••   ⓘ

Confirm OS password: •••••••••

Back   Next   Finish   Cancel

6:35 AM

file:///Z:/vcsa-setup.html#/

VMware vCenter Server Appliance Deployment

✓ 1 End User License Agreement
✓ 2 Connect to target server
✓ 3 Set up virtual machine
4 Select deployment type
5 Set up Single Sign-on
6 Single Sign-on Site
7 Select appliance size
8 Select datastore
9 Configure database
10 Network Settings
11 Ready to complete

Select deployment type
Select the services to deploy onto this appliance.

vCenter Server 6.0 requires a Platform Services Controller, which contains shared services such as Single Sign-On, Licensing, and Certificate Management. An embedded Platform Services Controller is deployed on the same Appliance VM as vCenter Server. An external Platform Services Controller is deployed in a separate Appliance VM. For smaller installations, consider vCenter Server with an embedded Platform Services Controller. For larger installations with multiple vCenter Servers, consider one or more external Platform Services Controllers. Refer to the vCenter Server documentation for more information.
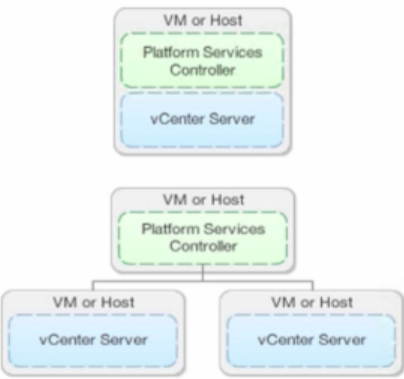
Note: Once you install vCenter Server, you can only change from an embedded to an external Platform Services Controller with a fresh install.
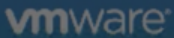
Embedded Platform Services Controller

◉ Install vCenter Server with an Embedded Platform Services Controller

VM or Host
Platform Services Controller
vCenter Server

External Platform Services Controller

○ Install Platform Services Controller

○ Install vCenter Server (Requires External Platform Services Controller)

VM or Host
Platform Services Controller

VM or Host
vCenter Server

VM or Host
vCenter Server

Back   Next   Finish   Cancel

6:36 AM

file:///Z:/vcsa-setup.html#/

VMware vCenter Server Appliance Deployment

✓ 1 End User License Agreement
✓ 2 Connect to target server
✓ 3 Set up virtual machine
✓ 4 Select deployment type
5 Set up Single Sign-on
6 Select appliance size
7 Select datastore
8 Configure database
9 Network Settings
10 Ready to complete

Set up Single Sign-on (SSO)
Create or join a SSO domain. An SSO configuration cannot be changed after deployment.

◉ Create a new SSO domain
○ Join an SSO domain in an existing vCenter 6.0 platform services controller
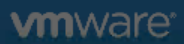
vCenter SSO User name: administrator

vCenter SSO Password: [••••••••] ⓘ

Confirm password: [••••••••]

SSO Domain name: [vsphere.local] ⓘ

SSO Site name: [PaloAlto-CA] ⓘ

Back   Next   Finish   Cancel

6:36 AM

file:///Z:/vcsa-setup.html#/

VMware vCenter Server Appliance Deployment

✓ 1 End User License Agreement

✓ 2 Connect to target server

✓ 3 Set up virtual machine

✓ 4 Select deployment type

✓ 5 Set up Single Sign-on

6 Select appliance size

7 Select datastore

8 Configure database

9 Network Settings

10 Ready to complete

Select appliance size
Specify a deployment size for the new appliance

Appliance size:

Tiny (up to 10 hosts, 100 VMs)
Tiny (up to 10 hosts, 100 VMs)
Small (up to 100 hosts, 1,000 VMs)
Medium (up to 400 hosts, 4,000 VMs)
Large (up to 1000 hosts, 10,000 VMs)

Description:

This will deploy a Tiny VM configured with 2 vCPUs and 8 GB of memory and requires 120 GB of disk space. This option contains vCenter Server with an embedded Platform Services Controller.

Back   Next   Finish   Cancel
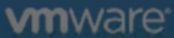
6:36 AM

file:///Z:/vcsa-setup.html#/

VMware vCenter Server Appliance Deployment

✓ 1 End User License Agreement

✓ 2 Connect to target server

✓ 3 Set up virtual machine

✓ 4 Select deployment type

✓ 5 Set up Single Sign-on

✓ 6 Select appliance size

7 Select datastore

8 Configure database

9 Network Settings

10 Ready to complete

Select datastore
Select the storage location for this deployment

The following datastores are accessible. Select the destination datastore for the virtual machine configuration files and all of the virtual disks.

Name	Type	Capacity	Free	Provisioned	Thin Provisioning
w3r6c5-tm-stw...	VMFS	225.25 GB	224.3 GB	0.95 GB	true
iso-tmpl	NFS	200 GB	137.14 GB	62.86 GB	true
w3-tm-iscsi-01-a	VMFS	99.75 GB	13.42 GB	86.33 GB	true
w3-tm-iscsi-01-b	VMFS	99.75 GB	12.28 GB	87.47 GB	true
w3-tm-iscsi-01-c	VMFS	99.75 GB	23.34 GB	76.41 GB	true
w3-tm-iscsi-02-a	VMFS	199.75 GB	120.2 GB	79.55 GB	true
w3-tm-iscsi-02-b	VMFS	199.75 GB	130.88 GB	68.87 GB	true

☐ Enable Thin Disk Mode ⓘ

Back | Next | Finish | Cancel
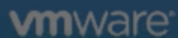
6:37 AM

file:///Z:/vcsa-setup.html#/

VMware vCenter Server Appliance Deployment
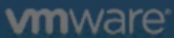
✓ 1 End User License Agreement
✓ 2 Connect to target server
✓ 3 Set up virtual machine
✓ 4 Select deployment type
✓ 5 Set up Single Sign-on
✓ 6 Select appliance size
✓ 7 Select datastore
8 Configure database
9 Network Settings
10 Ready to complete

Configure database
Configure the database for this deployment

◉ Use an embedded database (vPostgres)
○ Use Oracle database

Back   Next   Finish   Cancel

6:37 AM

file:///Z:/vcsa-setup.html#/

VMware vCenter Server Appliance Deployment

✓ 1 End User License Agreement
✓ 2 Connect to target server
✓ 3 Set up virtual machine
✓ 4 Select deployment type
✓ 5 Set up Single Sign-on
✓ 6 Select appliance size
✓ 7 Select datastore
✓ 8 Configure database
9 Network Settings
10 Ready to complete

Network Settings
Configure network settings for this deployment.

|	
Choose a network:	1701-Management ▾
IP address family:	IPv4 ▾
Network type:	static ▾
Network address:	10.155.170.187
System name [FQDN or IP address]:	w3-tm-vcsa-002.demo.vmware.com
Subnet mask:	255.255.255.0
Network gateway:	10.155.170.253
Network DNS Servers separated by comas	10.155.168.120,10.155.168.121
Configure time sync:	○ Synchronize appliance time with ESXi host ◉ Use NTP servers (Separated by commas)

Back   Next   Finish   Cancel
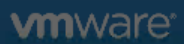
6:39 AM

file:///Z:/vcsa-setup.html#/

VMware vCenter Server Appliance Deployment
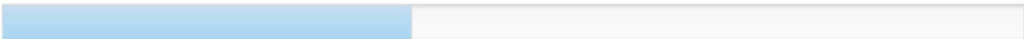
Ready to complete
Please review your settings before starting the installation.

✓ 1 End User License Agreement	
✓ 2 Connect to target server	
✓ 3 Set up virtual machine	
✓ 4 Select deployment type	
✓ 5 Set up Single Sign-on	
✓ 6 Select appliance size	
✓ 7 Select datastore	
✓ 8 Configure database	
✓ 9 Network Settings	
10 Ready to complete	

ESXi server info:	w3r6c5-tm-stw06-01.demo.vmware.com
Name:	w3-tm-vcsa-002
Installation type:	Install
Deployment type:	Embedded Platform Services Controller
Deployment configuration:	Tiny (up to 10 hosts, 100 VMs)
Datastore:	w3-tm-iscsi-02-b
Disk mode:	thin
Network mapping:	Network 1 to 1701-Management
IP allocation:	IPv4 , static
Time synchronization:	ntp.demo.vmware.com
Database:	embedded
Properties:	SSH enabled = false
	SSO User name = administrator
	SSO Domain name = vsphere.local
	SSO Site name = PaloAlto-CA
	Network 1 IP address = 10.155.170.187
	Host Name = w3-tm-vcsa-002.demo.vmware.com
	Network 1 netmask = 255.255.255.0
	Default gateway = 10.155.170.253
	DNS = 10.155.168.121,10.155.168.121

Back   Next   **Finish**   Cancel
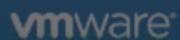
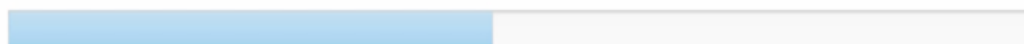6:39 AM

VMware vCenter Server Appliance Deployment

Installed VMware-Postgres-plpython-9.3.5.2-2427081.x86_64.rpm

Close

6:45 AM
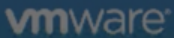
file:///Z:/vcsa-setup.html#/

VMware vCenter Server Appliance Deployment

Starting VMware vSphere Web Client...

Close

file:///Z:/vcsa-setup.html#/

VMware vCenter Server Appliance Deployment

Installation Complete

Your vCenter Server is successfully installed.

Post install steps:

1. vCenter Server is installed in evaluation mode. Activate vCenter Server by using the vSphere Web Client within 60 days. When the evaluation period of this vCenter Server expires, all hosts will be disconnected from this vCenter Server.
2. Use the vSphere Web Client to manage vCenter Server. Log in with the Single Sign-On administrator account administrator@vsphere.local

You can now login to vSphere Web Client: https://w3-tm-vcsa-002.demo.vmware.com/vsphere-client as administrator@vsphere.local

Close
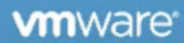
6:56 AM

Updated at 12:24 PM | | Help ▾ | | Search

Navigator

◀ Hosts and Clusters ▶ ↻

🏠 Home

📋 vCenter Inventory Lists ▸
🖥 Hosts and Clusters ▸
💻 VMs and Templates ▸
🗄 Storage ▸
🌐 Networking ▸

📋 Policies and Profiles ▸
⚙ vCenter Orchestrator ▸
☁ Hybrid Cloud Services ▸

👥 Administration ▸

✓ Tasks
📋 Events
📄 Log Browser

🏷 Tags

🔍 New Search ▸

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| All (0) | New (0) | Acknow... |

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Hosts and Clusters

🔃 Actions - Linux VM

	Power	▶
	Guest OS	▶
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🖵	Open Console	
🔃	**Migrate...**	
	Clone	▶
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	Export System Logs...	
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Alarms 📌 ✕

All (0)   New (0)   Acknow...

Work In Progress 📌 ✕

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mdmvpx003.lab.loc

Headquarters P

HQ Cluster 1

mdmesx0

mdmesx0

mdmesx0

mdmesx0

Linux VM

HQ Cluster 2

mdmesx0

mdmesx0

mdmesx0

mdmesx0

mdmvpx004.lab.loc

Headquarters P

HQ Cluster 3

mdmesx0

mdmesx0

Hosts and Clusters

Alarms

All (0)   New (0)   Acknow...

Progress

- Migrate

Linux VM - Migrate

1 Select the migration type	Select the migration type
2 Select a compute resource	Change the virtual machines' compute resource, storage, or both. You can also migrate the virtual machines to a virtual data center.
3 Select network	
4 Select vMotion priority	
5 Ready to complete	

○ **Change VM compute resource only**
Migrate the virtual machines to another host or cluster

○ **Change storage only**
Migrate the virtual machines' storage to a compatible datastore or datastore cluster.

○ **Change both compute resource and storage**
Migrate the virtual machines to a specific host or cluster and their storage to a specific datastore or datastore cluster.
  ○ Select compute resource first
  ○ Select the storage first

Back   Next   Finish   Cancel

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Task Name

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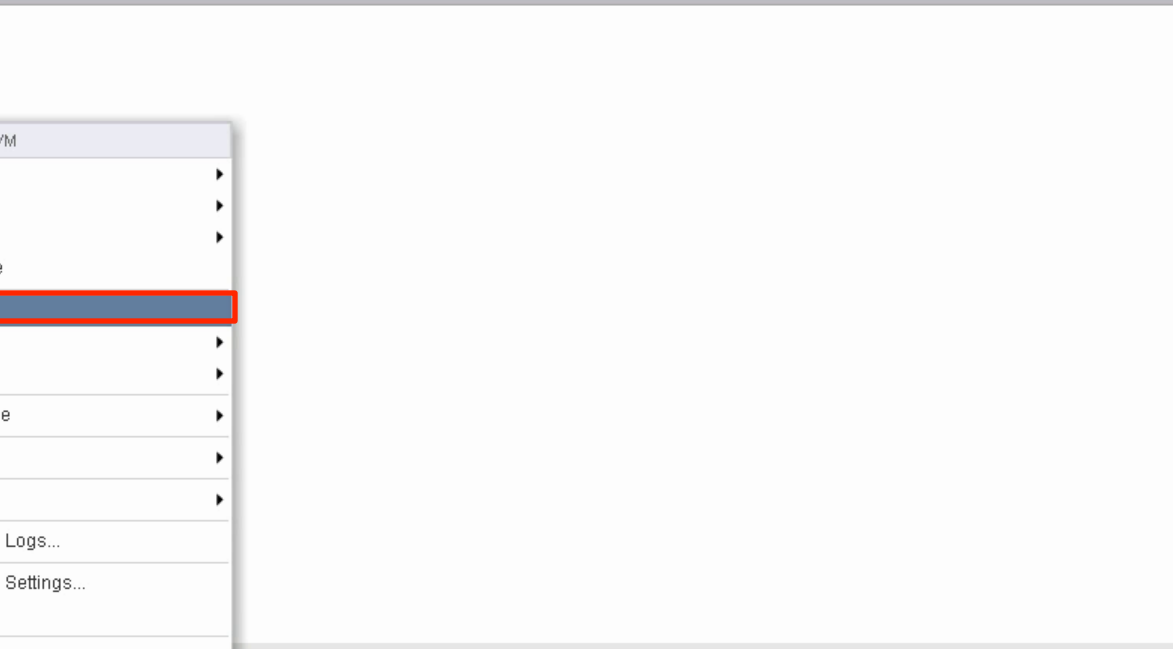
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      - mdmesx0

Hosts and Clusters

Linux VM - Migrate

✓ 1 Select the migration type
✓ 2 Select a compute resource
✓ 3 Select folder
✓ 4 Select network
✓ 5 Select vMotion priority
　 6 Ready to complete

Select vMotion priority
Protect the performance of your running virtual machines by prioritizing the allocation of CPU resources.

(●) Schedule vMotion with high priority (recommended)

vMotion receives higher CPU scheduling preference relative to normal priority migrations. vMotion might complete more quickly.

( ) Schedule regular vMotion

vMotion receives lower CPU scheduling preference relative to high priority migrations. You can extend vMotion duration.

Back　　Next　　Finish　　Cancel

Alarms

All (0)　New (0)　Acknow...

Progress

- Migrate

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Hosts and Clusters

Alarms

All (0)   New (0)   Acknow...

Linux VM - Migrate   ? ⏩

✓ 1 Select the migration type

✓ 2 Select a compute resource

✓ 3 Select folder

✓ 4 Select network

✓ 5 Select vMotion priority

6 Ready to complete

Ready to complete

The wizard is ready. Verify that the information is correct and click finish to start the migration.

Migration Type	Change compute resource. Leave VM on the original storage
Virtual Machine	Linux VM
vCenter	mdmvpx004.lab.local
Folder	Virtual Machines
Cluster	HQ Cluster 3
Host	mdmesx017.lab.local
vMotion Priority	highPriority
Storage	[VMFS]

Progress

- Migrate

Back   Next   **Finish**   Cancel

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Hosts and Clusters

Alarms

All (0)   New (0)   Acknow...

Work In Progress

Recent Tasks

Task Name	Target	Status	Initiator	Queued For	Start Time	Completion Time	Server
Relocate virtual machine	Linux VM	34 % ✕	LAB\matthew	20 ms	1/21/2015 12:31:06 ...		mdmvpx003.lab.local

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    - mdmesx024.lab.local

mdmvpx003.lab.local   Actions

Summary | Monitor | Manage | Related Objects

mdmvpx003.lab.local

Virtual Machines: 0
Hosts: 8

| CPU | FREE: 36.96 GHz |
| USED: 1.43 GHz | CAPACITY: 38.39 GHz |

| MEMORY | FREE: 42.35 GB |
| USED: 21.64 GB | CAPACITY: 64.00 GB |

| STORAGE | FREE: 4.00 TB |
| USED: 305.39 GB | CAPACITY: 4.30 TB |

Tags

Assigned Tag	Category	Description
	This list is empty.	

Assign... Remove...

Version Information

| Version | 6.0.0 |
| Build | 2155937 |

Alarms

All (0) | New (0) | Acknow...

Work In Progress

Recent Tasks

Task Name	Target	Status	Initiator	Queued For	Start Time	Completion Time	Server
Initiate destination virtual machine f...	Linux VM	✓ Completed	System	9 ms	1/21/2015 12:31:10 ...	1/21/2015 12:31:27 ...	mdmvpx004.lab.local
Relocate virtual machine	Linux VM	✓ Completed	LAB\\matthew	20 ms	1/21/2015 12:31:06 ...	1/21/2015 12:31:28 ...	mdmvpx003.lab.local

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  ▼ 🏢 Headquarters POD 2
    🌐 VM Network
    ▶ 🔀 dvSwitch0
    ▶ 🔀 dvSwitch1
    ▼ 🔀 dvSwitch2
      📇 dvSwitch2-DVUplinks-...
      🌐 VLAN0204

🌐 **VLAN0204**   Actions ▾

Summary   Monitor   Manage   Related Objects

VLAN0204
Port binding: Static binding
Port allocation: Elastic
VLAN ID: --

PORTS   FREE: 7
USED: 1   CAPACITY: 8

▼ **Distributed Port Group Details**

Distributed switch	🔀 dvSwitch2
Network protocol profile	--
Hosts	8
Virtual machines	1

▶ **Policies**

▼ **Tags**

Assigned Tag	Category	Description
	This list is empty.	

Alarms

All (0)   New (0)   Acknow...

Work In Progress

Recent Tasks

Task Name	Target	Status	Initiator	Queued For	Start Time	Completion Time	Server
Initiate destination virtual machine f...	🗐 Linux VM	✔ Completed	System	9 ms	1/21/2015 12:31:10 ...	1/21/2015 12:31:27 ...	mdmvpx004.lab.local
Relocate virtual machine	🗐 Linux VM	✔ Completed	LAB\\matthew	20 ms	1/21/2015 12:31:06 ...	1/21/2015 12:31:28 ...	mdmvpx003.lab.local

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    - dvSwitch0
    - dvSwitch1
    - dvSwitch2
      - dvSwitch2-DVUplinks-...
      - VLAN0204

VLAN0204   Actions ▾

Summary | Monitor | Manage | **Related Objects**

Virtual Machines | VM Templates in Folders | Hosts

Actions ▾   Filter

Name	1 ▲	State	Status	Provisioned Space	Used Space	Host CPU	H
Linux VM		Powered On	✓ Normal			0 MHz	

1 Objects

Alarms

All (0) | New (0) | Acknow...

Work In Progress

Recent Tasks

Task Name	Target	Status	Initiator	Queued For	Start Time	Completion Time	Server
Initiate destination virtual machine f...	Linux VM	✓ Completed	System	9 ms	1/21/2015 12:31:10 ...	1/21/2015 12:31:27 ...	mdmvpx004.lab.local
Relocate virtual machine	Linux VM	✓ Completed	LAB\matthew	20 ms	1/21/2015 12:31:06 ...	1/21/2015 12:31:28 ...	mdmvpx003.lab.local

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matthew@LAB.LOCAL ▾

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  ▼ 🏢 Palo Alto
    ▶ 🔲 PA Cluster 1
    ▶ 🔲 PA Cluster 2
  ▼ mdmvpx004.lab.local
    ▼ 🏢 Austin
      ▶ 🔲 ATX Cluster 1
      ▶ 🔲 ATX Cluster 2

📁 mdmvpx003.lab.local

Actions ▾

Summary | Monitor | Manage | Related Objects

mdmvpx003.lab.local

Virtual Machines: 2
Hosts: 8

CPU
USED: 1.56 GHz   FREE: 36.83 GHz
                  CAPACITY: 38.39 GHz

MEMORY
USED: 21.99 GB   FREE: 42.01 GB
                  CAPACITY: 64.00 GB

STORAGE
USED: 303.91 GB   FREE: 4.00 TB
                  CAPACITY: 4.30 TB

▼ Tags

Assigned Tag	Category	Description
This list is empty.		

Assign... Remove...

▼ Version Information

Version	6.0.0
Build	2155937

Alarms

All (0) New (0) Acknowledge...

Work In Progress

Recent Tasks

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vCenter Inventory Lists

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- 📋 **Content Libraries**   1 ›
- ▾ Resources
  - 🗐 vCenter Servers   2 ›
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  - 🗐 Distributed Switches 6 ›

🗐 vCenter Home

Summary

vCenter
Version 6.0

CPU	FREE: 68.96 GHz
USED: 7.83 GHz	CAPACITY: 76.79 GHz
MEMORY	FREE: 83.75 GB
USED: 44.24 GB	CAPACITY: 127.99 GB
STORAGE	FREE: 8.02 TB
USED: 584.40 GB	CAPACITY: 8.59 TB

▾ Actions

- 📋 Create new content library
- 🗐 Create new datacenter
- 🗐 Create new cluster
- 🗐 Create new datastore cluster
- 🗐 Create new distributed switch

🗐 Alarms

All (0)   New (0)   Acknowledge...

📝 Work In Progress

✓ Recent Tasks

Task Name	Target	Status	Initiator	Queued For	Start Time	Completion Time	Server

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Navigator

vCenter Inventory L...

Content Libraries 1

Palo Alto Library

Content Libraries

Objects

Actions

Filter

Name	1 ▲	Type	Published	Password Protected	Automatic Synch...	Templates	Other Library...
Palo Alto Library		Local	Yes	No	--	1	0

Actions - 1 Library

Import Item...

Edit Settings...

Rename...

Edit Notes...

Tags ►

Delete

1 Objects

Alarms

All (0)   New (0)   Acknowledge...

Work In Progress

Recent Tasks

Task Name	Target	Status	Initiator	Queued For	Start Time	Completion Time	Server

My Tasks ▼

More Tasks

Navigator

vCenter Inventory L...

Content Libraries	1
Palo Alto Library	

Content Libraries

Objects

Actions ▼

Filter

Name	1 ▲	Type	Published	Password Protected	Automatic Synch...	Templates	Other Library...	S
Palo Alto Library		Local	Yes	No	--	1	0	

1 Objects

Alarms

All (0)   New (0)   Acknowledge...

Work In Progress

Recent Tasks

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◀ vCenter Inventory L... ▶

Content Libraries

Palo Alto Library

Content Libraries

Objects

New Library

1 Name
2 Configure library
3 **Add storage**
4 Ready to complete

Add storage

Select a storage location for the library contents. A file system backing is best suited for published libraries and preserves the uploaded OVF packages. A datastore backing stores content optimized for cloning, and is recommended for local and subscribed libraries.

○ Enter a local file system path or an NFS URL

File system path: [   ] ⓘ

Example: Z:\Library\, /mnt/nfs/lib/ or nfs://server:/path

● Select a datastore

Filter

🔍 Filter

Name	1 ▲	Status	Capacity	Free	Type
● VMFS		✔ Normal	399.75 GB	398.77 GB	VMFS5
○ vsanDatastore3		✔ Normal	1.95 TB	1.82 TB	vsan
○ vsanDatastore4		✔ Normal	1.95 TB	1.82 TB	vsan

3 Objects

Back **Next** Finish Cancel

Alarms

All (0) New (0) Acknowledge...

Progress

...ary

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Navigator

vCenter Inventory L...

Content Libraries

Palo Alto Library

Content Libraries

Objects

New Library

1 Name
2 Configure library
3 Add storage
4 **Ready to complete**

Ready to complete
Review content library settings.

Name:	Austin Content Library
Notes:	
vCenter Server:	mdmvpx004.lab.local
Type:	Subscribed Library
Subscription URL:	https://mdmvpx003.lab.local/cls/vcsp/lib/38566302-52b4-4450-b261-17470637ecb5/lib.json
Storage:	VMFS

Alarms

All (0)   New (0)   Acknowledge...

Progress

ary

Back   Next   **Finish**   Cancel

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vCenter Inventory L...

Content Libraries 1

Palo Alto Library

Content Libraries

Objects

Actions

Filter

Name	1 ▲	Type	Published	Password Protected	Automatic Synch...	Templates	Other Library...
Palo Alto Library		Local	Yes	No	--	1	0

1 Objects

Alarms

All (0)   New (0)   Acknowledge...

Work In Progress

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Task Name	Target	Status	Initiator	Queued For	Start Time	Completion Time	Server
Create Library		0 %					

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Navigator 📌

◀ vCenter Inventory L... ▶ 🔄 ↺

🗐 Content Libraries	2
🗐 Austin Content Library	
🗐 Palo Alto Library	

🗐 **Content Libraries**

Objects

🗐 🔄 | ⚙ Actions ▾   🔽 📋 🔍 Filter ▾

Name 1 ▲	Type	Published	Password Protected	Automatic Synch...	Templates	Other Library...	S
🗐 Austin Content Library	Subscribed	--	No	On	1	0	
🗐 Palo Alto Library	Local	Yes	No	--	1	0	

◀ ⣿ ▶

🗐 2 Objects 📤▾

Alarms 📌 ✕

All (0)   New (0)   Acknowledge...

Work In Progress 📌 ✕

Recent Tasks 📌 ✕

Task Name	Target	Status	Initiator	Queued For	Start Time	Completion Time	Server

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