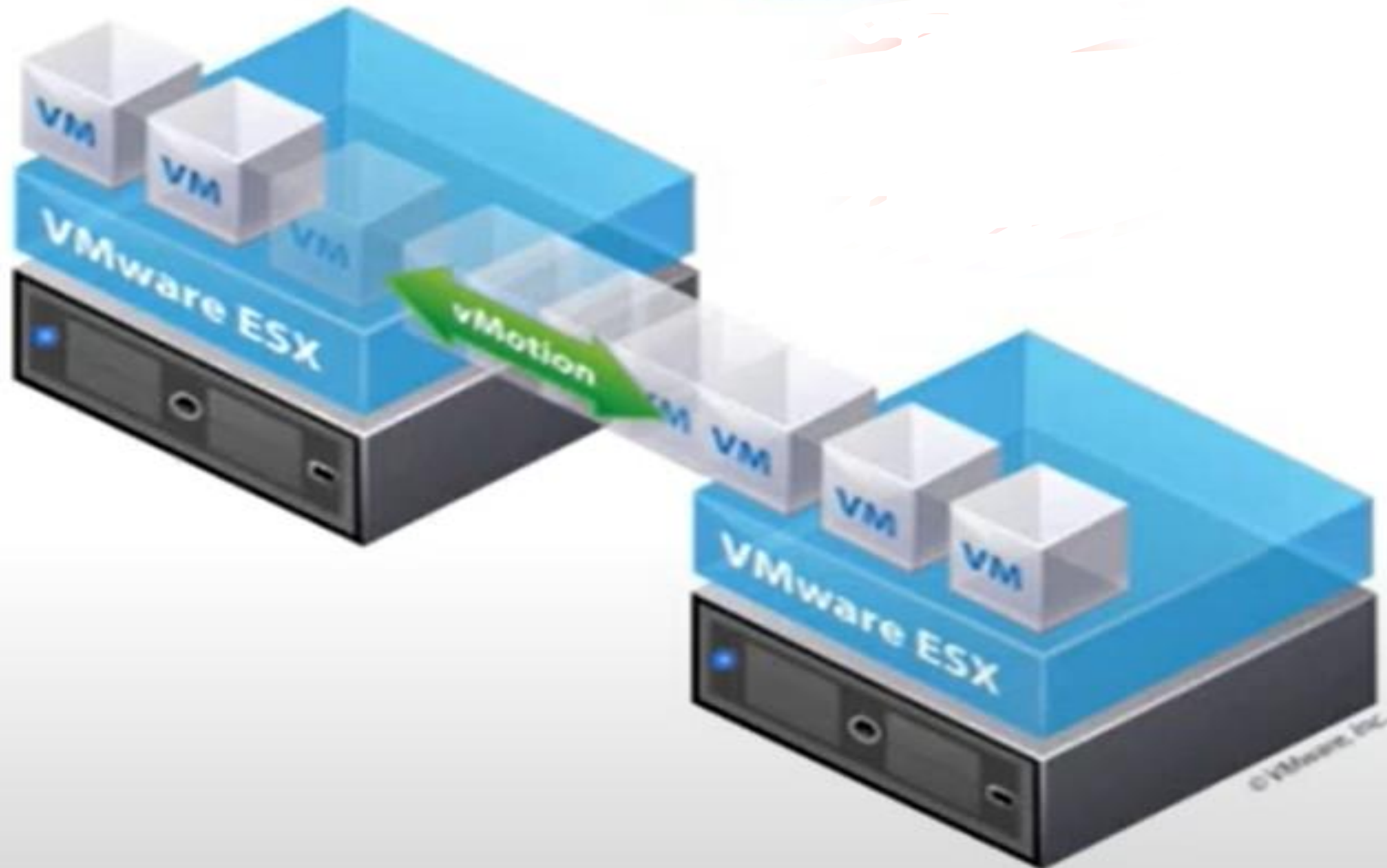


1- VMotion



VMware vSphere Infrastructure Products



HomeInventoryHosts and Clusters

Search Inventory

vcenter1.vmlab.org

Egypt

192.168.1.101

DC 2012 R2

ERP-2

Server 2012

SQL 2008 DB4

TEST VM5

VM5

Win Server 2008 R2

XP-SP3 1

192.168.1.102

Exchange2013-CAS

Exchange2013-Hub

RODC-Alex

SQL 2008 DB5

VM5-Temp

XP-2

192.168.1.101 VMware ESXi, 5.5.0, 1623387

Getting StartedSummaryVirtual MachinesResource AllocationPerformanceConfigurationTasks & EventsAlarmsPermissionsMapsStorage ViewsHardware Status

Datastore Browser - [datastore1]

FoldersSearch

/

.sdd.sf

TEST VM5

DC 2012 R2

ERP-2

Win Server 2008 R2

Server 2012

ISO

SQL 2008 DB4

VM5

ERP-TEmp

SQL 2008-Temp

Name	Size	Provisioned Size	Type	Path
DC 2012 R2.vmx	1.47 KB		Virtual Machine	[datastore1]DC 2012
DC 2012 R2.vmx	0.26 KB		File	[datastore1]DC 2012
DC 2012 R2.vmsd	0.00 KB		File	[datastore1]DC 2012
DC 2012 R2.vmdk	0.00 KB	8,388,608.00 KB	Virtual Disk	[datastore1]DC 2012

Host Profile:

Image Profile: ESXi-5.5.0-20140302001-st...

Fault Tolerance Version: 5.0.0-5.0.0-5.0.0

Recent Tasks

Name, Target or Status contains: Clear

Name	Target	Status	Details	Initiated by	vCenter Server	Requested Start Ti...	Start Time	Completed Time
------	--------	--------	---------	--------------	----------------	-----------------------	------------	----------------

Migrating Virtual Machines

Migration: Moving a virtual machine from one host or datastore to another host or datastore. Types of migrations:

- Cold: Migrate a virtual machine that is powered off.
- Suspended: Migrate a virtual machine that is suspended.
- vSphere vMotion: Migrate a virtual machine that is powered on.
- vSphere Storage vMotion: Migrate a virtual machine's files, while the virtual machine is powered on, to another datastore.

Concurrent migrations are possible:

- A maximum of eight simultaneous vSphere vMotion, cloning, deployment, or vSphere Storage vMotion accesses to a single VMware vSphere® VMFS-5 datastore is supported.

vcenter1.vmlab.org

- Egypt
 - 192.168.1.101
 - DC 2012 R2
 - ERP-2
 - Server 2012
 - SQL 2008 DB4
 - TEST VM5
 - VM5
 - Win Server 2008 R2
 - XP-SP3 1
 - 192.168.1.102
 - Exchange2013-CAS
 - Exchange2013-Hub
 - RODC-Alex
 - SQL 2008 DB5
 - VM5-Temp
 - XP-2

192.168.1.101 VMware ESXi, 5.5.0, 1623387

Getting Started Summary Virtual Machines Resource Allocation Performance Configuration Tasks & Events Alarms Permissions Maps Storage Views Hardware Status

General

Manufacturer: VMware, Inc.
Model: VMware Virtual Platform
CPU Cores: 2 CPUs x 2.096 GHz
Processor Type: AMD A10-5745M APU with Radeon(tm) HD Graphics
License: VMware vSphere 5 Enterprise Plus - Licensed for 2 physic...
Processor Sockets: 2
Cores per Socket: 1
Logical Processors: 2
Hyperthreading: Inactive
Number of NICs: 3
State: Connected
Virtual Machines and Templates: 10
vMotion Enabled: No
VMware EVC Mode: Disabled
vSphere HA State: N/A
Host Configured for FT: No
Active Tasks:
Host Profile:
Image Profile: ESXi-5.5.0-20140302001-st...

Resources

CPU usage: **288 MHz** Capacity 2 x 2.096 GHz
Memory usage: **1543.00 MB** Capacity 6191.49 MB

Storage	Status	Drive Type
15-18	✓ Normal	Non-SSD
333	✓ Normal	Non-SSD
88	✓ Normal	Non-SSD
datastore1	✓ Normal	Non-SSD
SAN-1	✓ Normal	Non-SSD

Network	Type	Status
VM Network	Standard port group	✓
dvSwitch1-DVUpli...	Uplink port group	✓
dvPortGroup	Distributed port group	✓
dvPortGroup2	Distributed port group	✓

Fault Tolerance

Fault Tolerance Version: 5.0.0.5.0.0.5.0.0

Recent Tasks

Name, Target or Status contains: Clear X

Name	Target	Status	Details	Initiated by	vCenter Server	Requested Start Time	Start Time	Completed Time
Reconfigure virtual machine	XP-2	✓ Completed		VSPHERE.LOCAL\Administrator	vcenter1.vmlab.org	5/14/2015 4:17:03 PM	5/14/2015 4:17:03 PM	5/14/2015 4:17:05 PM

vcenter1.vmlab.org

192.168.1.101 VMware ESXi, 5.5.0, 1623387

Getting Started Summary Virtual Machines Resource Allocation Performance Configuration Tasks & Events Alarms Permissions Maps Storage Views Hardware Status

General

Manufacturer: VMware, Inc.
Model: VMware Virtual Platform
CPU Cores: 2 CPUs x 2.096 GHz

AMD A10-5745M APU with
Radeon(tm) HD Graphics

VMware vSphere 5 Enterprise
Plus - Licensed for 2 physic...

2

1

2

Inactive

3

Connected

10

No

Disabled

N/A

No

Report Performance...

Rename

Open in New Window... Ctrl+Alt+N

Remove from Inventory

Delete from Disk

Resources

CPU usage: **288 MHz** Capacity
2 x 2.096 GHz

Memory usage: **1543.00 MB** Capacity
6191.49 MB

Storage	Status	Drive Type
15-18	✓ Normal	Non-SSD
333	✓ Normal	Non-SSD
88	✓ Normal	Non-SSD
datastore1	✓ Normal	Non-SSD
SAN-1	✓ Normal	Non-SSD

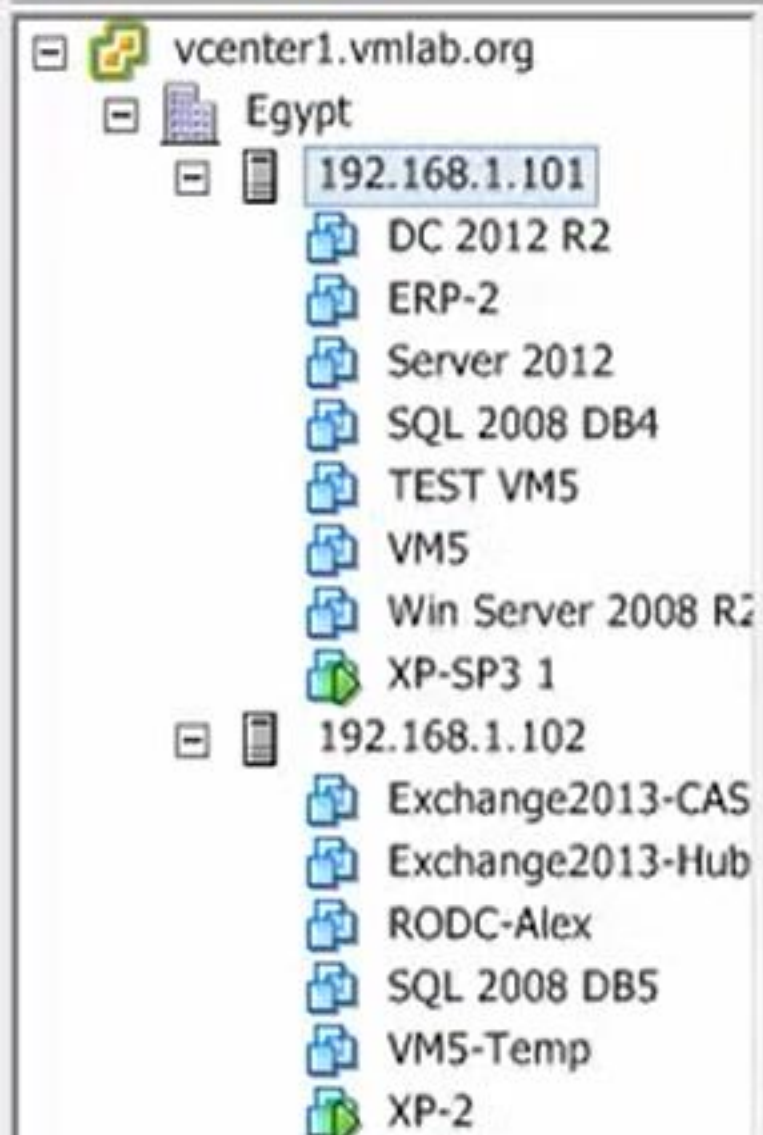
Network	Type	Sta
VM Network	Standard port group	✓
dvSwitch1-DVUpli...	Uplink port group	✓
dvPortGroup	Distributed port group	✓
dvPortGroup2	Distributed port group	✓

Fault Tolerance

Fault Tolerance Version: 5.0.0.5.0.0.5.0.0

Recent Tasks

Name	Status	Details	Initiated by	vCenter Server	Requested Start Ti...	Start Time	Completed Time
Reconfigure virtual machine	✓ Completed	XP-2	VSPHERE.LOCAL\Administrator	vcenter1.vmlab.org	5/14/2015 4:17:03 PM	5/14/2015 4:17:03 PM	5/14/2015 4:17:05 PM



192.168.1.101

Getting Started

General

Manufacturing

Model:

CPU Core

Processor

License:

Processor

Cores per

Logical Pro

Hyperthre

Number of

State:

Virtual Ma

vMotion E

VMware E

vSphere H

Host Conf

Active Tas

Host Profi

Image Pro

Recent Tasks

Name	Task
Reconfigure virtual machine	

Select Migration Type

Change the virtual machine's host, datastore or both.

Select Migration Type

Select Destination

Select Resource Pool

Storage

Ready to Complete

☐ Change host

Move the virtual machine to another host.

☐ Change datastore

Move the virtual machine's storage to another datastore.

☒ Change both host and datastore

Move the virtual machine to another host and move its storage to another datastore.

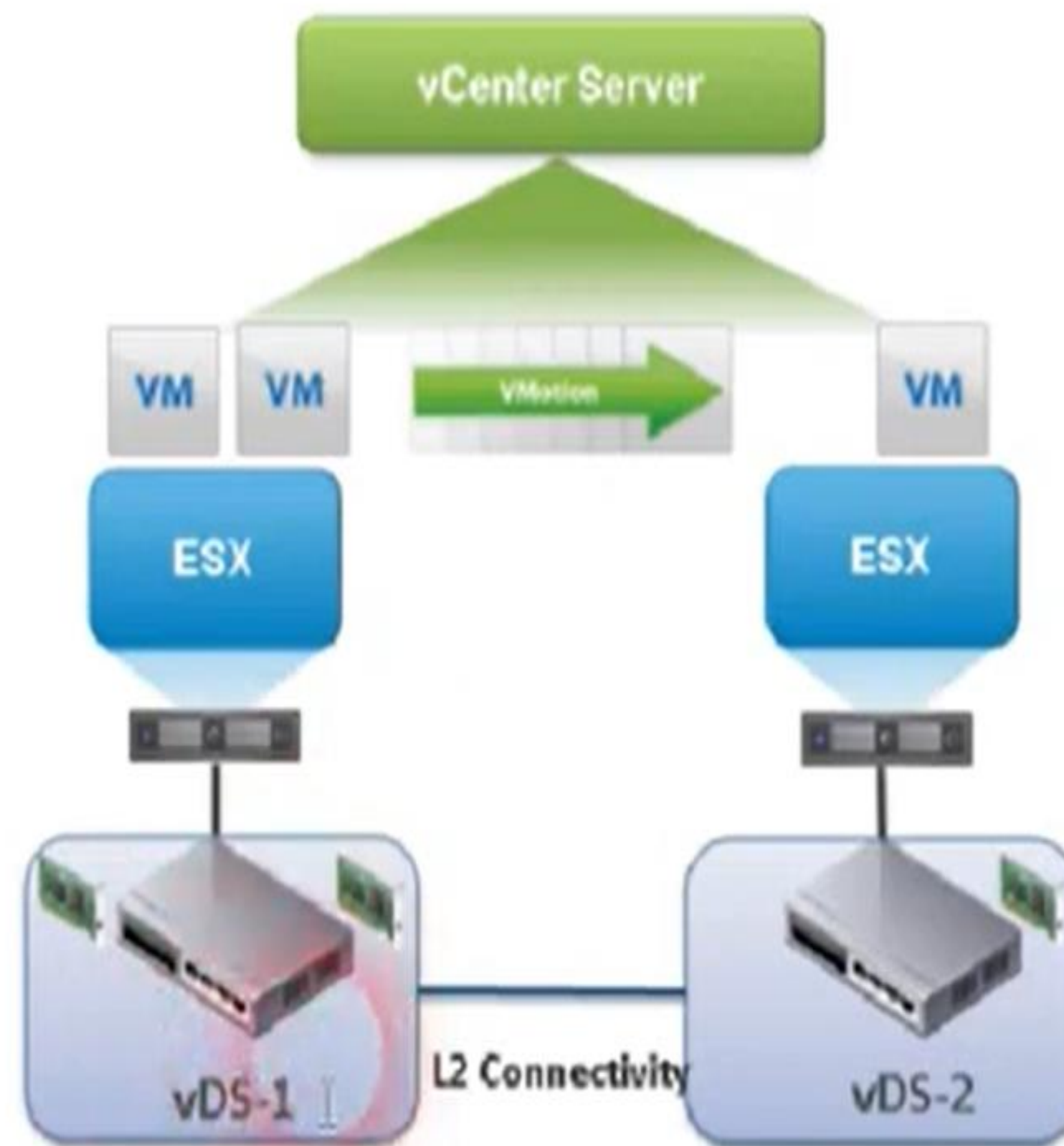
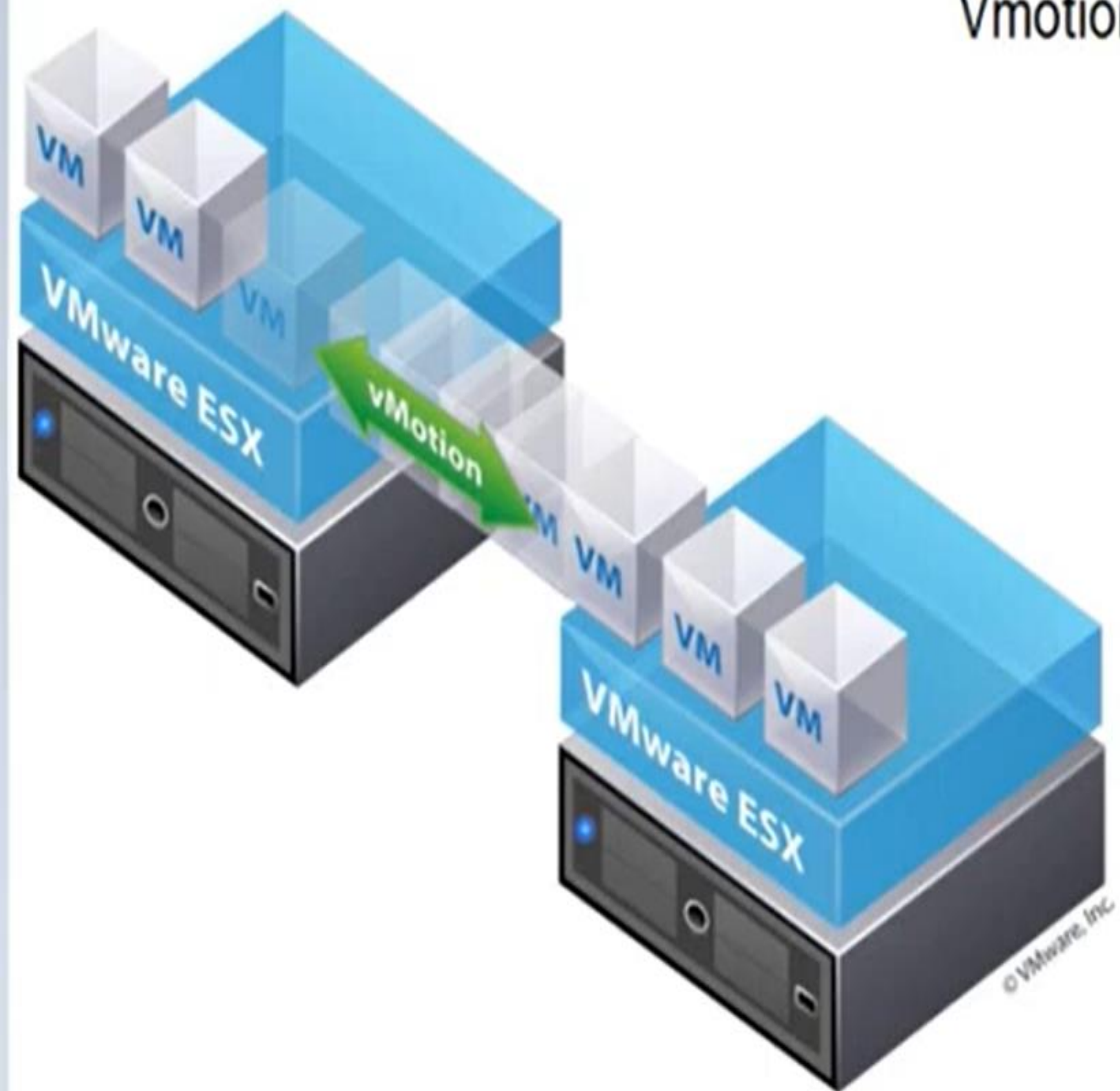
Search Inventory

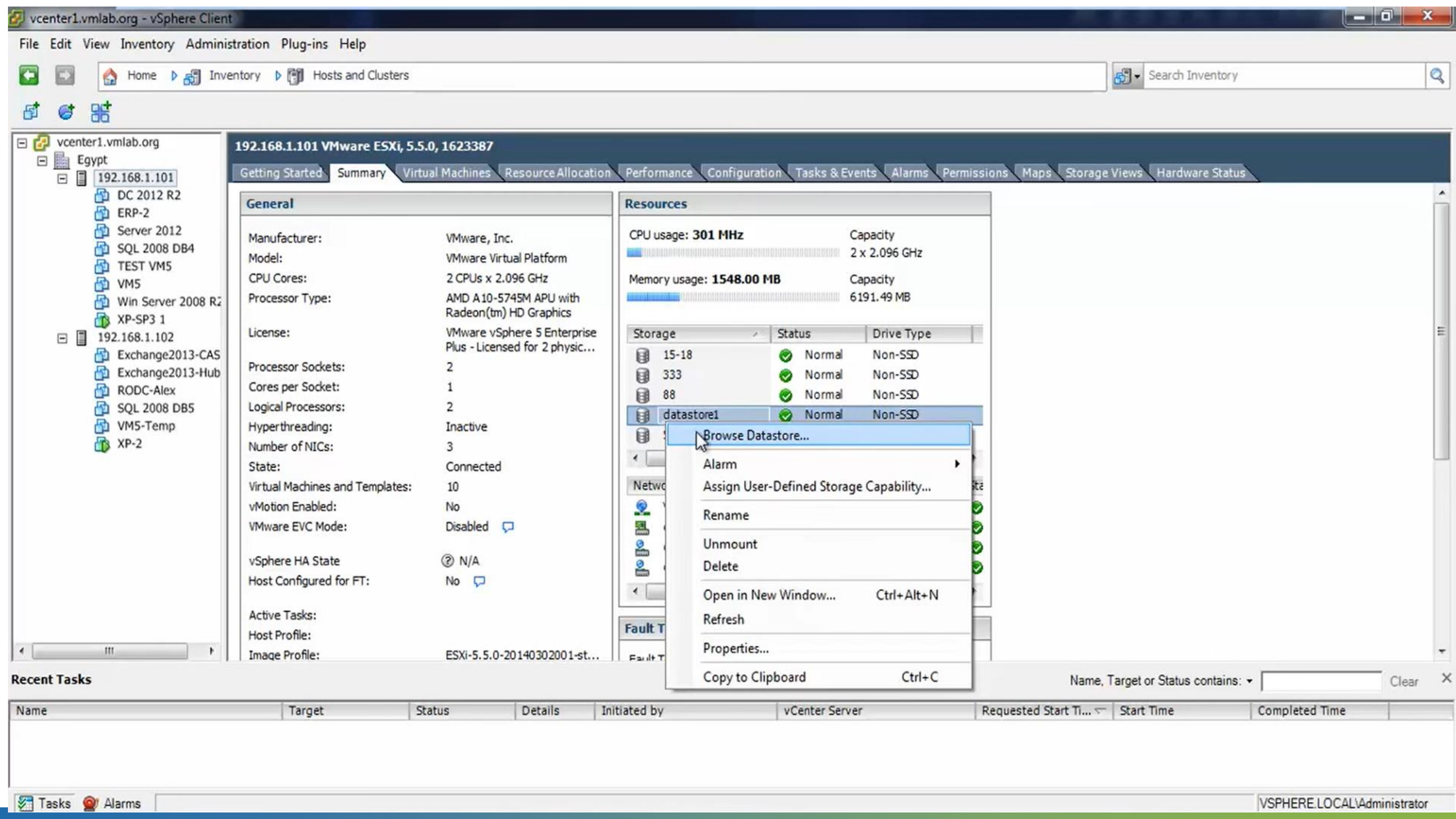
Hardware Status

Status contains: Clear X

Name	Completed Time
5 4:17:03 PM	5/14/2015 4:17:05 PM

Vmotion





Comparison of Migration Types

Migration Type	Virtual Machine Power State	Change Host or Datastore?	Across Virtual Data Centers?	Shared Storage Required?	CPU Compatibility
Cold	Off	Host or datastore or both	Yes	No	Different CPU families allowed
Suspended	Suspended	Host or datastore or both	Yes	No	Must meet CPU compatibility requirements
vMotion	On	Host	No	Yes	Must meet CPU compatibility requirements
Storage vMotion	On	Datastore	No	No	N/A
Enhanced vMotion	On	Both	No	No	Must meet CPU compatibility requirements