

**RED HAT®
TRAINING**



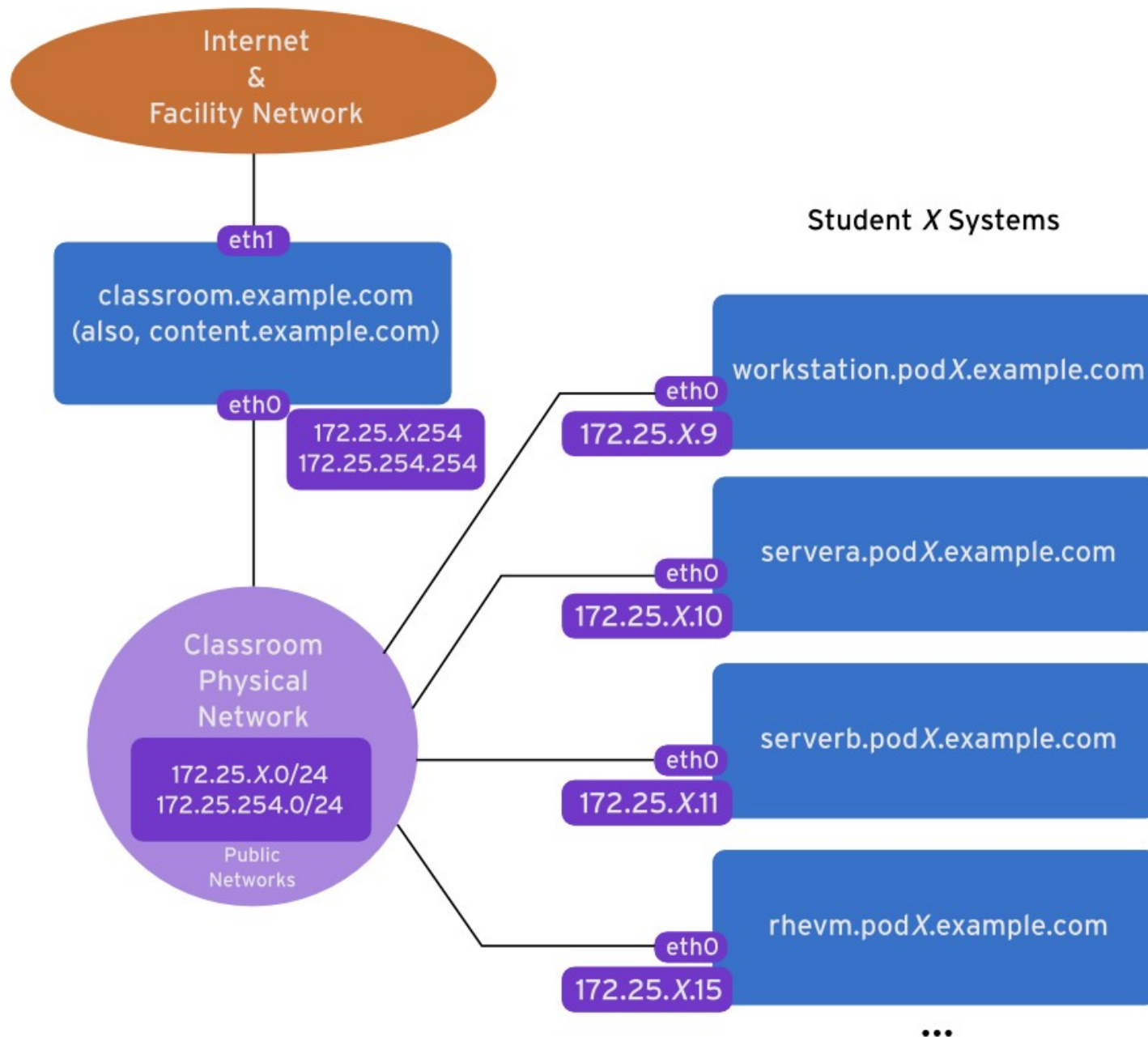
Comprehensive, hands-on training that solves real-world problems

Red Hat Enterprise Virtualization

DAY ONE	DAY TWO	DAY THREE	DAY FOUR
RHEV Overview	Creating RHEV Data Centers and Clusters	Managing VM Snapshots and Images	Advanced RHEV Topics (part 2)
Installing RHEV Manager	Creating RHEV Storage	Automating VM Deployment	Installing and Configuring RHEL Hosts
Installing RHEV Hypervisor Hosts	Creating RHEV Logical Networks	Monitoring and Reporting RHEV	Migrating VMs and Configuring High Availability
	Deploying RHEV Virtual Machines	Advanced RHEV Topics (part 1)	Comprehensive Review

Course Objectives and Structure

Orientation to Classroom Network



Internationalization

DAY ONE

Overview

Installing RHEV
Manager

Installing RHEV
Hypervisor Hosts

Chapter 1: Red Hat Enterprise Virtualization Overview

- Virtualization in Linux
- RHEV Architecture

Goal:

Describe virtualization in Linux and the architecture of the Red Hat Enterprise Virtualization platform.

Objectives:

- Define and discuss general virtualization, Kernel-based Virtual Machine (KVM), and Red Hat virtualization product concepts.
- Describe the Red Hat Enterprise Virtualization platform.

Virtualization in Linux

RED HAT® CLOUD INFRASTRUCTURE

RED HAT® CLOUDFORMS

Cloud management platform

RED HAT® SATELLITE

Cloud system management

RED HAT® ENTERPRISE VIRTUALIZATION

Cost-efficient traditional virtualization

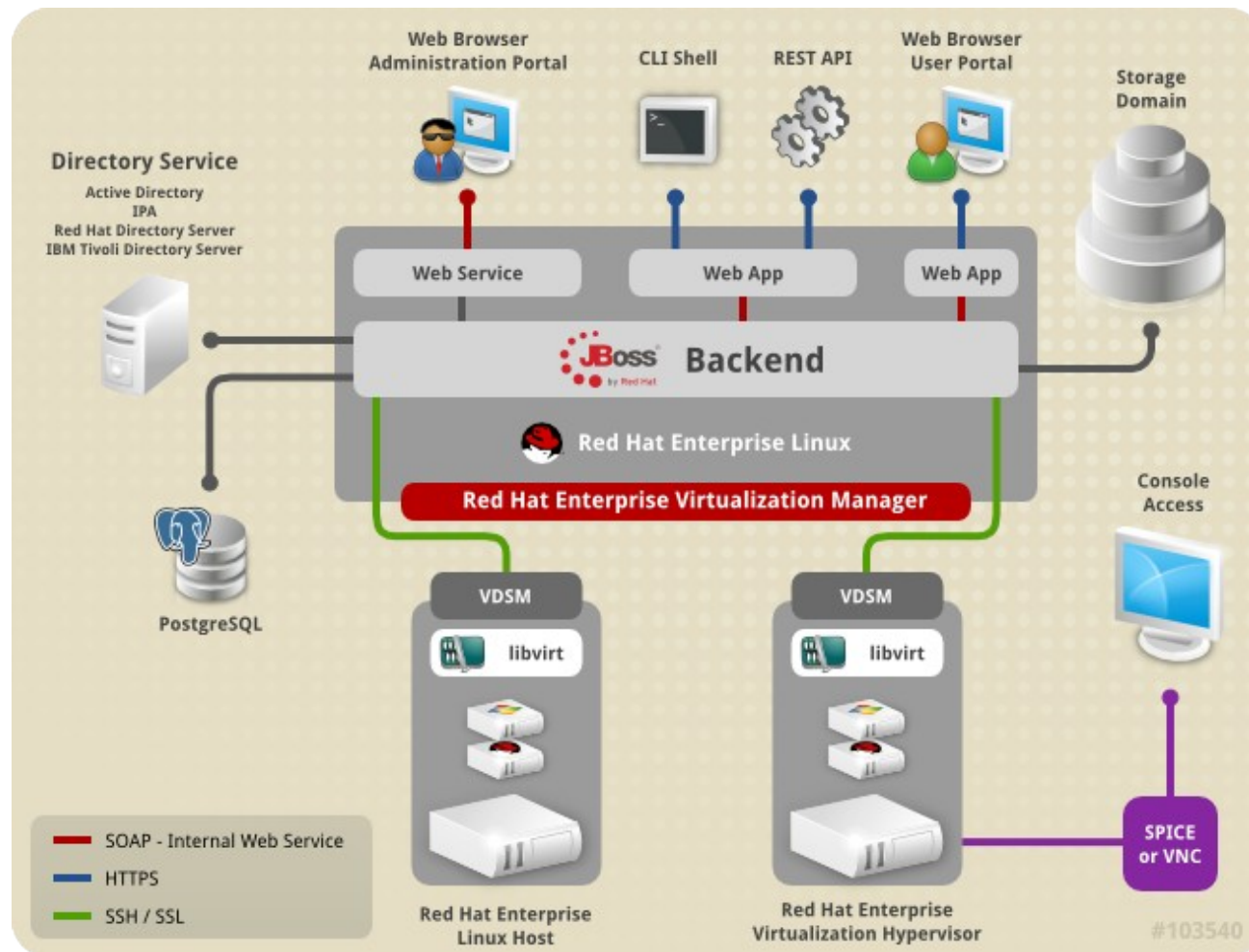
RED HAT® ENTERPRISE LINUX® OPENSTACK® PLATFORM

Massively scalable cloud workloads

CLO061

Quiz: Virtualization in Linux

RHEV Architecture



Quiz: RHEV Architecture

Lab: Preparing the Classroom Environment

Summary

DAY ONE

Overview

**Installing RHEV
Manager**

Installing RHEV
Hypervisor Hosts

Chapter 2: Installing, Configuring, and Testing RHEV Manager

- Installing and Testing RHEV Manager
- Managing Users, Roles, and Permissions
- Troubleshooting RHEV Manager

Goal:

Install, configure, secure, and troubleshoot RHEV Manager.

Objectives:

- Install and initially configure RHEV Manager, then test and confirm operation.
- Secure RHEV Manager with users, roles, and permissions.
- Troubleshoot RHEV Manager installation and runtime issues.

Installing and Testing RHEV Manager

RED HAT ENTERPRISE VIRTUALIZATION

admin

Configure

Guide

About

Market Place

DataCenter: name = Default

x

☆

Q

Data Centers

Clusters

Hosts

Networks

Storage

Disks

Virtual Machines

Pools

Templates

Quota

vNIC Profiles

Log Viewer

Dashboard

Events

System

Edit

Show Report

Guide Me

Red Hat Access: Support

1-1

Expand All

Collapse All

2

System

Data Centers

Default

Storage

Networks

Templates

Clusters

Default

Hosts

VMs

External Providers

Name	Storage Type	Status	Compatibility Version	Description
Default	Shared	Uninitialized	3.5	The default Data Center

Storage

Logical Networks

QoS

Clusters

Permissions

Red Hat Search

Red Hat Documentation

Events

Attach Data

Attach ISO

Attach Export

Detach

Activate

Maintenance

5

Domain Name	Domain Type	Status	Free Space	Used Space	Total Space	Description
No items to display						

Bookmarks

Tags

Last Message: 2014-Dec-11, 10:22

User admin logged in.


Alerts (0)

Events

Tasks (0)

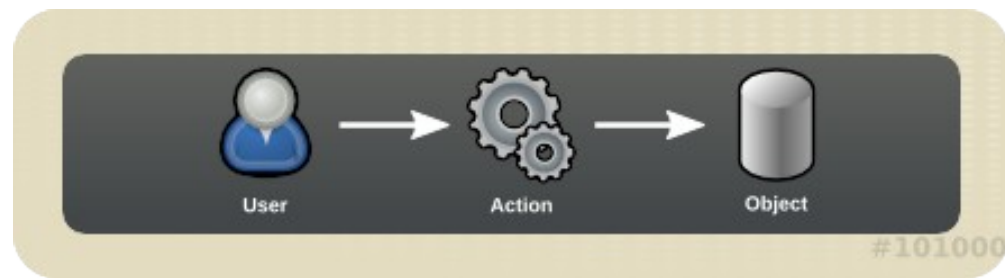
RH318-RHEV3.5-en-5-20150515

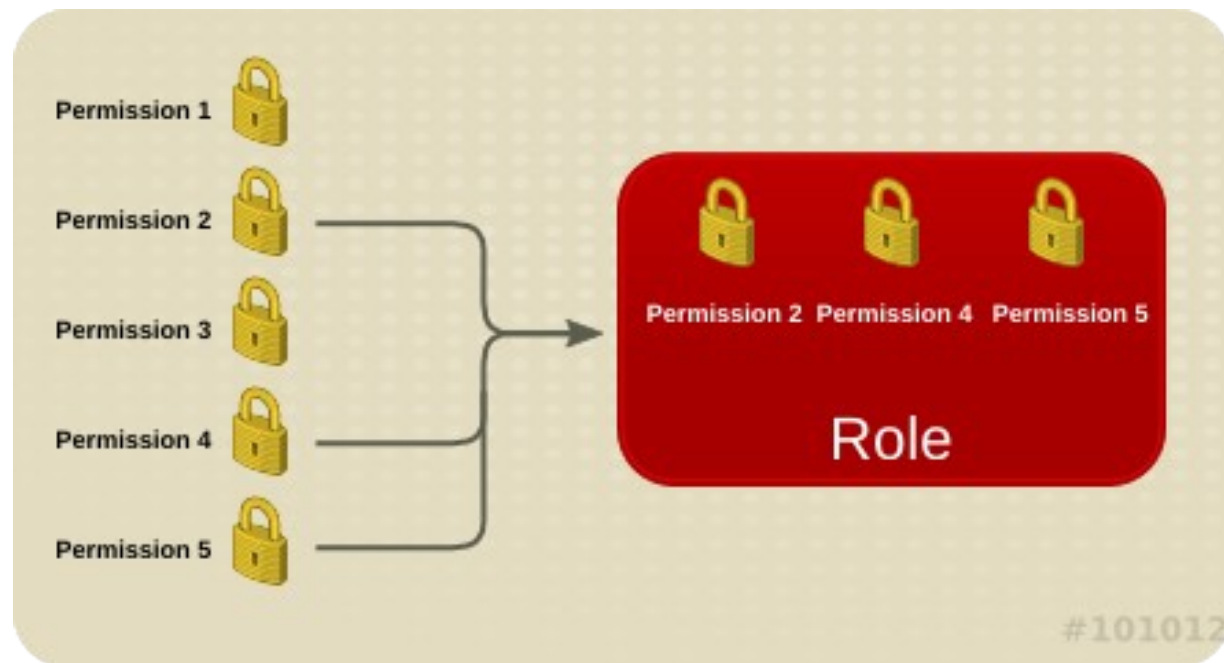
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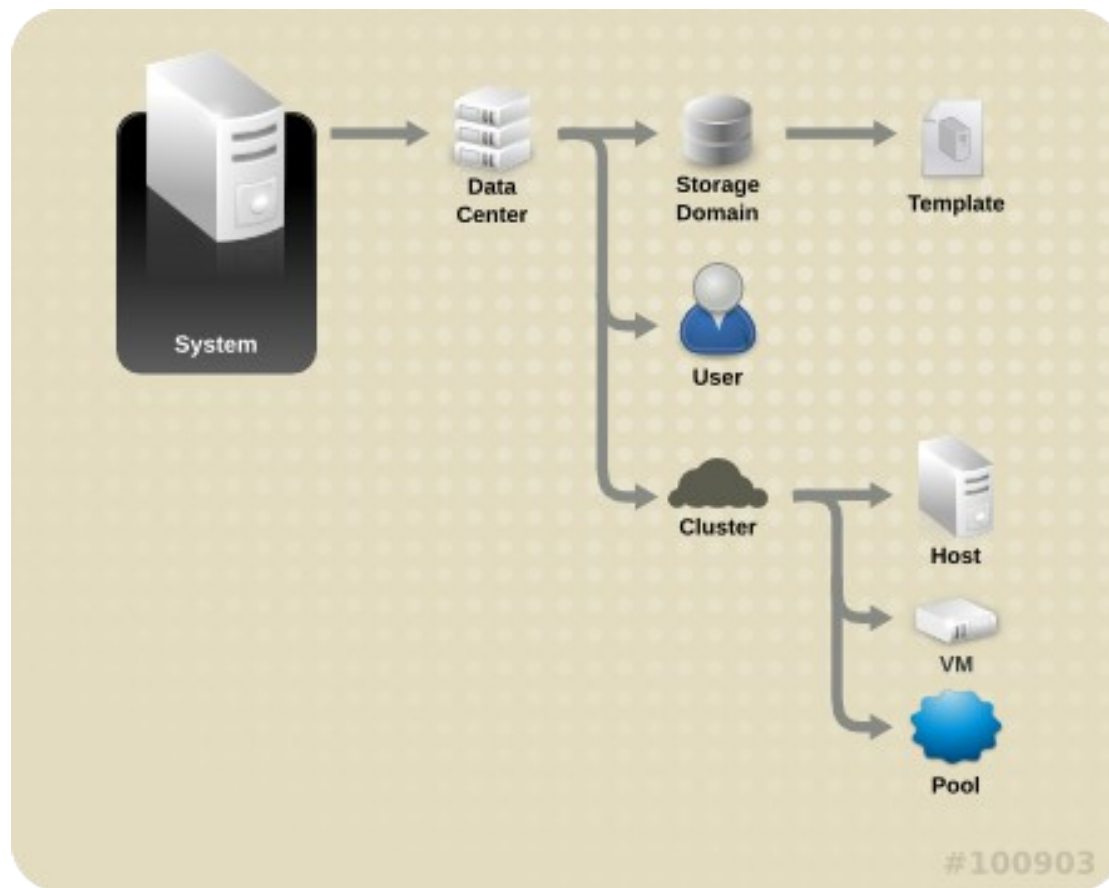


Practice: Installing and Configuring RHEV Manager

Managing Users, Roles, and Permissions


























Configure

Roles



System Permissions

Show ☒ All Roles  ☐ Administrator Roles  ☐ User Roles

New Edit Copy Remove

		Name	Description
		UserRole	Standard User Role
		UserVmManager	User Role, with permission for any operation on Vms
		TemplateAdmin	Administrator Role, permission for all operations on a specific Template
		UserTemplateBasedVm	User Role, with permissions only to use Templates
		SuperUser	System Administrators with permission for all operations
		ClusterAdmin	Administrator Role, permission for all the objects underneath a specific Cluster
		DataCenterAdmin	Administrator Role, permission for all the objects underneath a specific Data Cent
		StorageAdmin	Administrator Role, permission for all operations on a specific Storage Domain
		HostAdmin	Administrator Role, permission for all operations on a specific Host
		NetworkAdmin	Administrator Role, permission for all operations on a specific Logical Network
		VmPoolAdmin	Administrator Role, permission for all operations on a specific VM Pool
		DiskOperator	User Role, permissions for all operations on a specific disk
		DiskCreator	User Role, permission to create Disks

Close

 **New Role** 

Name

Description

Account Type: ☒ User ☐ Admin

Check Boxes to Allow Action

Expand All

Collapse All

▶ ☐ System

▶ ☐ Template

▶ ☐ VM



▶ ☐ VM Pool

▶ ☐ Disk

OK

Reset


Cancel

 **Add System Permission to User** 

Search:

	First Name	Last Name	User Name
<input type="checkbox"/>	Windows	User1	winuser1@EXAMPLE.COM
<input type="checkbox"/>	Windows	User2	winuser2@EXAMPLE.COM
<input type="checkbox"/>	Windows	User3	winuser3@EXAMPLE.COM
<input type="checkbox"/>	Windows	User4	winuser4@EXAMPLE.COM
<input type="checkbox"/>	Windows	User5	winuser5@EXAMPLE.COM
<input type="checkbox"/>	Windows	User6	winuser6@EXAMPLE.COM
<input type="checkbox"/>	Windows	User7	winuser7@EXAMPLE.COM
<input type="checkbox"/>	Windows	User8	winuser8@EXAMPLE.COM
<input type="checkbox"/>	Windows	User9	winuser9@EXAMPLE.COM
<input type="checkbox"/>	Windows	User10	winuser10@EXAMPLE.COM
<input type="checkbox"/>	Windows	User11	winuser11@EXAMPLE.COM

Role to Assign:



U.S. English

User Name

Password

Profile

☒ Connect Automatically

Login

Practice: Managing Users, Roles, and Permissions

Troubleshooting RHEV Manager

Practice: Updating RHEV Configuration Values with RHEV Configuration Tool

Lab: Installing, Configuring, and Testing RHEV Manager

Summary

DAY ONE

Overview

Installing RHEV
Manager

Installing RHEV
Hypervisor Hosts

Chapter 3: Installing and Configuring RHEV Hypervisor Hosts

- Installing RHEV Hypervisor
- Automating RHEV Hypervisor Installation
- Upgrading RHEV Hypervisor
- Troubleshooting RHEV Hypervisor

Goal:

Install, configure, upgrade, and troubleshoot RHEV Hypervisor Hosts.

Objectives:

- Install, configure, and approve RHEV Hypervisor.
- Automate RHEV Hypervisor installation and configuration.
- Upgrade RHEV Hypervisor software from a RHEV Manager Server.
- Troubleshoot RHEV Hypervisor installation and runtime problems.

Installing RHEV Hypervisor

Installation

< Install Hypervisor 7.1-20150312.0.el7ev >

Info: Virtualization hardware was detected and is enabled

< Quit >

Press esc to quit.

Installing RHEV-H

100 %

Starting ...

(1/6) Writing configuration file (Done)
(2/6) Partitioning and Creating File Systems on '['/dev/vda']' (Done)
(3/6) Setting Admin Password (Done)
(4/6) Installing Image and Bootloader Configuration to '/dev/vda' (Done)
(5/6) Setting keyboard layout to 'us' (Done)
(6/6) Configuring Local KDump (Done)

< Reboot >

Press esc to quit.

```
Red Hat Enterprise Virtualization Hypervisor 7.1 (20150312.0.el7ev)  
Kernel 3.10.0-229.el7.x86_64 on an x86_64 (tty1)
```

```
Please login as 'admin' to configure the node  
localhost login: _
```

Practice: Installing RHEV Hypervisor

Automating RHEV Hypervisor Installation

Quiz: Automating RHEV Hypervisor Installation

Upgrading RHEV Hypervisor

Practice: Upgrading RHEV Hypervisor

Troubleshooting RHEV Hypervisor

Practice: Troubleshooting RHEV Hypervisor

Lab: Installing and Configuring RHEL Hypervisor Hosts

Summary

DAY TWO

Creating RHEV Data Centers and Clusters

Creating RHEV Storage

Creating RHEV Logical Networks

Deploying RHEV Virtual Machines

Chapter 4: Creating RHEV Data Centers and Clusters

- RHEV Resources
- Creating Data Centers
- Creating Clusters

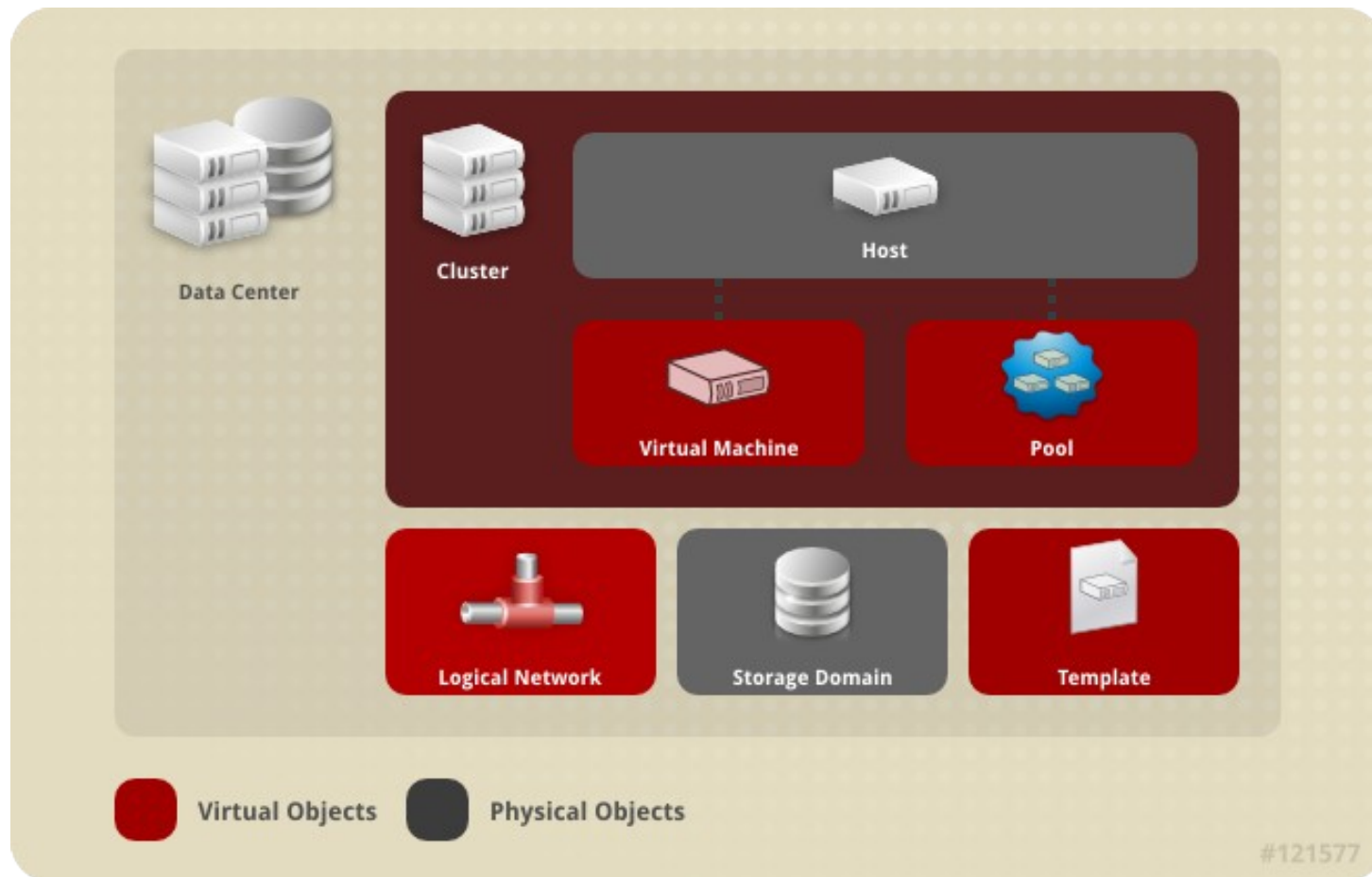
Goal:

Create RHEV Data Centers and Clusters in the RHEV Manager interface.

Objectives:

- Describe essential resources in RHEV.
- Create RHEV Data Center.
- Create RHEV Cluster.

RHEV Resources



Red Hat Enterprise Virtualization

Logged in user: admin@internal |

Search: DataCenter: x ☆ 🔍

Tree

Expand All Collapse All ↺

▶ System

Data Centers

Clusters

Hosts

Storage

Disks

Virtual Machines

Pools

Templates

Users

New Edit Remove Force Remove 📖 Guide Me

Name	Storage Type	Status	Compatibility Version
▲ Default	NFS	Up	3.1

Quiz: RHEV Resources

Creating Datacenters

New Data Center ?

Name

Description

Storage Type

Compatibility Version

Quota Mode

Comment

OK Cancel

Practice: Creating Datacenters

Creating Clusters

Edit Remove Show Report Guide Me Red Hat Access: Support

New Cluster ?

General
Optimization
Resilience Policy
Cluster Policy
Console
Fencing Policy

Data Center Default

Name

Description

Comment

CPU Type

Compatibility Version 3.5

CPU Architecture undefined

☒ Enable Virt Service
☐ Enable Gluster Service
☐ Enable to set VM maintenance reason

Required Random Number Generator sources:

☐ /dev/random source
☐ /dev/hwrng source

OK Cancel

New Cluster ?

General

Optimization

Resilience Policy

Cluster Policy

Console

Fencing Policy

Memory Optimization ?

☒ None - Disable memory overcommit

☐ For Server Load - Allow scheduling of 150% of physical memory

☐ For Desktop Load - Allow scheduling of 200% of physical memory

CPU Threads ?

☐ Count Threads As Cores

Memory Balloon

☐ Enable Memory Balloon Optimization

KSM control

☐ Enable KSM

OK

Cancel

New Cluster ?

General

Optimization

Resilience Policy

Cluster Policy

Console

Fencing Policy

☒ Migrate Virtual Machines

☐ Migrate only Highly Available Virtual Machines

☐ Do Not Migrate Virtual Machines

OK Cancel

Edit Remove Show Report Guide Me Red Hat Access: Support

New Cluster ?

General

Optimization

Resilience Policy

Cluster Policy

Console

Fencing Policy

Select Policy

none

Properties

Please select a key... - +

Scheduler Optimization ?

☒ Optimize for Utilization

☐ Optimize for Speed

Additional Properties

☐ Enable Trusted Service

☐ Enable HA Reservation

☐ Provide custom serial number policy ?

OK

Cancel

Edit Remove Show Report Guide Me Red Hat Access: Support

New Cluster ?

- General
- Optimization
- Resilience Policy
- Cluster Policy
- Console**
- Fencing Policy

Define SPICE proxy for Cluster ? ☐

Overridden SPICE proxy address

OK Cancel

Edit Remove Show Report Guide Me Red Hat Access: Support

New Cluster ?

- General
- Optimization
- Resilience Policy
- Cluster Policy
- Console
- Fencing Policy**

☒ Enable fencing ?

☒ Skip fencing if host has live lease on storage ?

☒ Skip fencing on cluster connectivity issues ?

Threshold 50

OK Cancel

Practice: Creating Clusters

Lab: Creating RHEV Datacenters and Clusters

Summary

DAY TWO

Creating RHEV Data
Centers and Clusters

**Creating RHEV
Storage**

Creating RHEV
Logical Networks

Deploying RHEV
Virtual Machines

Chapter 5: Creating and Maintaining RHEV Storage

- Creating Storage Domains
- Integrating Storage with OpenStack

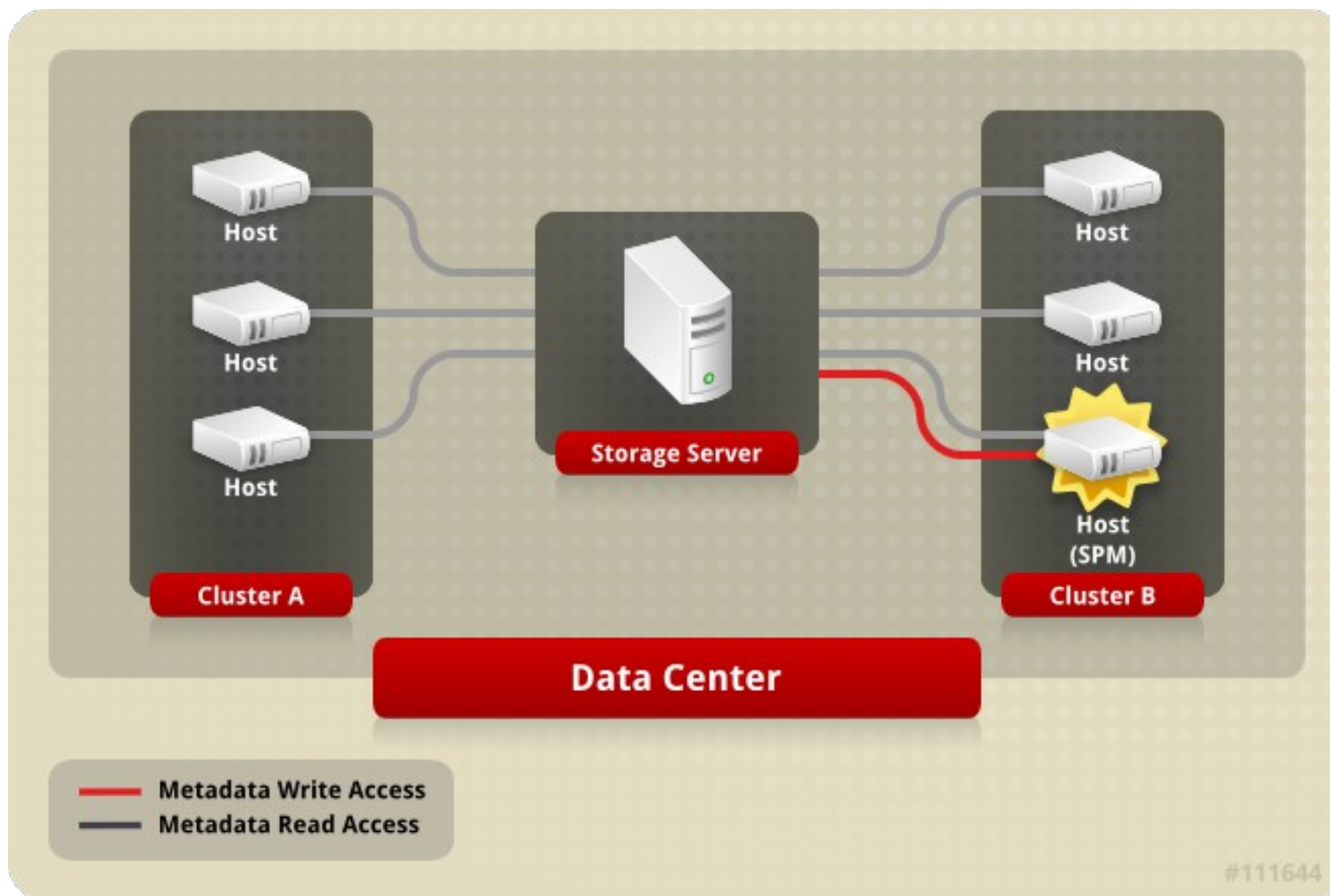
Goal:

Create and administer data, iso, and export storage domains.

Objectives:

- List the three types of storage domains and supported underlying storage technologies.
- Identify the role of the storage pool manager.
- Prepare, create and populate RHEV storage domains.
- List the storage integration options with Red Hat Enterprise Linux OpenStack Platform.

Creating Storage Domains



New Domain

Name

Data Center

dcenter5 (iSCSI)

Domain Function / Storage Type

Data / iSCSI

Format

V3

Use Host

host1.pod5.example.com

Discover Targets

Address

Port

3260

DiscoverTargets

☐ User Authentication:

CHAP username

CHAP password

LoginAll

Target Name	Address	Port
-------------	---------	------

OK


Cancel

Targets > LUNs

LUNs > Targets

RH318-RHEV3.5-en-5-20150515

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 redhat.




Practice: Creating a Data Storage Domain

Integrating Storage with OpenStack

[Data Centers](#)
[Clusters](#)
[Hosts](#)
[Networks](#)
[Storage](#)
[Disks](#)
[Virtual Machines](#)
[Pools](#)
[Templates](#)
[Volumes](#)
[Users](#)

[New Domain](#)
[Import Domain](#)
[Edit](#)
[Remove](#)

Domain Name	Domain Type	Storage Type	Format	Cross Data-Center Status	Free Space
 GlanceDomain1	Image	OpenStack Glance	V1	Unattached	< 1 GB

[General](#)
[Data Center](#)
[Images](#)
[Permissions](#)

File Name	Type
Fedora-18-x86_64 (4f1e2ff)	Disk
Fedora-17-x86_64 (f20d6fe)	Disk

Storage: x ☆ Q

[Data Centers](#)
[Clusters](#)
[Hosts](#)
[Networks](#)
[Storage](#)
[Disks](#)
[Virtual Machines](#)
[Pools](#)

System New Domain Import Domain Edit Remove 1-4

Domain Name	Domain Type	Storage Type	Format	Cross Data Center St
cinder-chipcha	Volume	OpenStack Cinder	V1	Unattached
cinder-derez	Volume	OpenStack Cinder	V1	Unattached
data1c	Data (Master)	NFS	V3	Active
ovirt-image-repository	Image	OpenStack Glance	V1	Unattached

System

Expand All Collapse All

- System
 - Data Centers
 - Default
 - Storage
 - Networks
 - Templates
 - Clusters
 - External Providers
 - cinder-chipcha
 - cinder-derez
 - ovirt-image-repository

Bookmarks

Tags

Last Message: 2014-Dec-21, 18:23 User admin logged in. Alerts (4) Events Tasks (0)

Quiz: Integrating Storage with OpenStack

Lab: Creating and Maintaining RHEV Storage

Summary

DAY TWO

Creating RHEV Data
Centers and Clusters

Creating RHEV
Storage

Creating RHEV
Logical Networks

Deploying RHEV
Virtual Machines

Chapter 6: Creating RHEV Logical Networks

- Creating Logical Networks
- Integrating Networking with Openstack

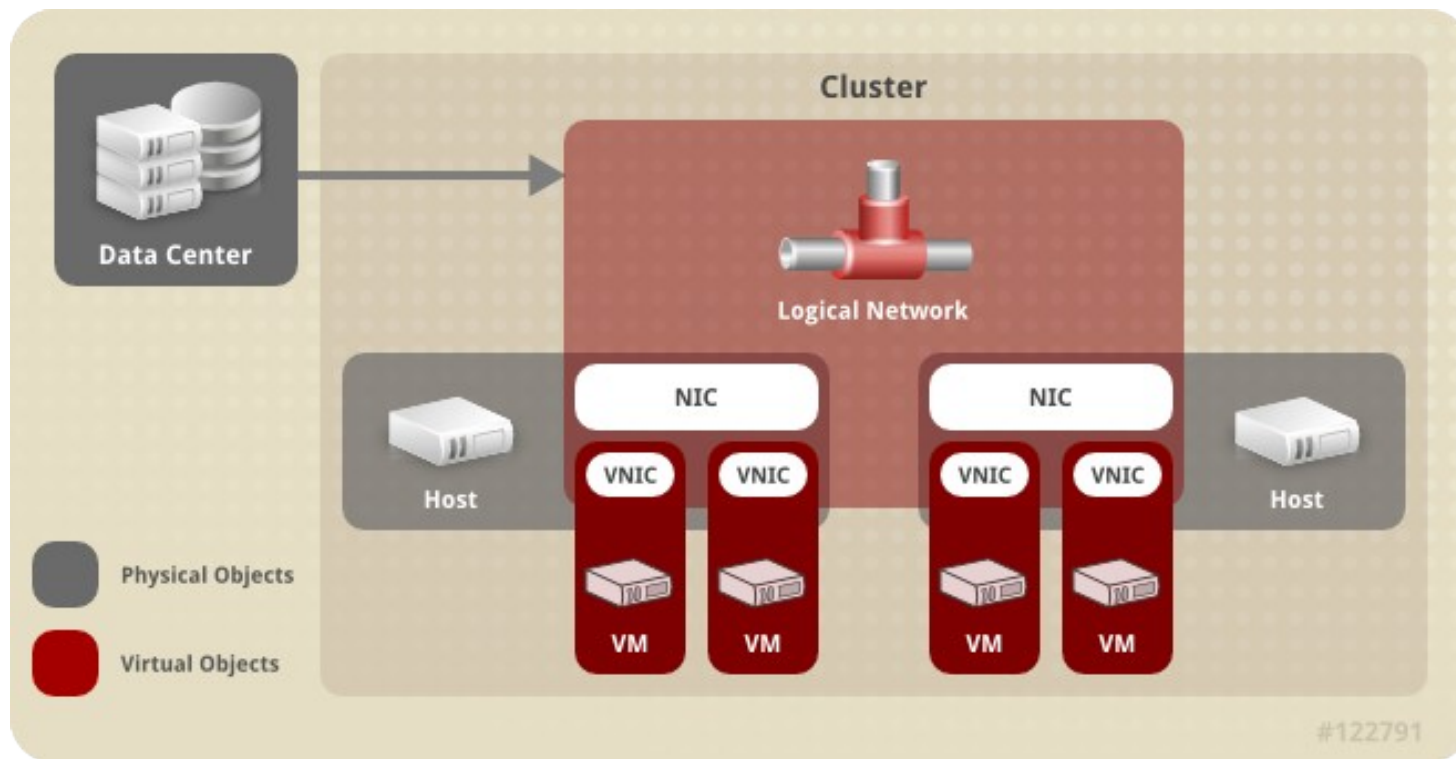
Goal:

Create RHEV Logical Networks in the RHEV Manager interface.

Objectives:

- Plan for and create RHEV logical networks.
- Discuss network integration options and usage with Red Hat Enterprise Linux OpenStack Platform.

Creating Logical Networks



New Logical Network ?

General

Cluster

vNIC Profiles

Data Center: Default

Name:

Description:

Comment:

Export

☐ Create on external provider


External Provider:

Physical Network:

Network Parameters

Network Label:

☐ Enable VLAN tagging

☒ VM network 

MTU



☒ Default (1500)

☐ Custom

OK Cancel

Practice: Creating Logical Networks

Integrating Networking with OpenStack

 **Add Provider** 

General
Agent Configuration

Name

Neutron_NP

Description

Type

OpenStack Network

Networking Plugin

Open vSwitch

Provider URL

http://XX.XX.XX.XX:9696

☒ Requires Authentication

Username


neutron

Password

●●●●●●●●

Tenant Name



services

 Test succeeded, managed to access provider.

Test

OK



Cancel

 **Import Networks** 


Network Provider Neutron NP

Provider Networks

<input type="checkbox"/>	Name	Provider Network ID
<input type="checkbox"/>	network_002	645661fb-c4c2-4925-a401-fe44c828dbbe
<input type="checkbox"/>	network_003	534c43bb-e901-4f02-8bbc-2174f0c91723
<input type="checkbox"/>	network_004	e7b743f7-ab7a-45ac-bf74-ddb6fa65e192

Networks to Import

<input type="checkbox"/>	Name	Provider Network ID	Data Center	<input checked="" type="checkbox"/> Allow All 
<input type="checkbox"/>	network_001	3a10f9c5-7485-4718-862e-135cfe6545e8	34_DC	<input checked="" type="checkbox"/>

Import Cancel

Quiz: Integrating Networking with OpenStack

Lab: Creating Logical Networks

Summary

DAY TWO

Creating RHEV Data
Centers and Clusters

Creating RHEV
Storage

Creating RHEV
Logical Networks

**Deploying RHEV
Virtual Machines**

Chapter 7: Deploying RHEV Virtual Machines

- Installing a New Virtual Server
- Managing Virtual Machines
- Installing Para-virtualized Drivers and Guest Agents

Goal:

Install and manage virtual machines with appropriate drivers and agents.

Objectives:

- Install a new RHEL virtual machine.
- Start, stop, edit, and remove virtual machines.
- Install paravirtualized drivers and guest agents.

Installing a New Virtual Server

Practice: Installing a Red Hat Enterprise Linux Guest

Managing Virtual Machines

Practice: Managing Virtual Machines

Installing Paravirtualized Drivers and Guest Agents

Quiz: Installing Paravirtualized Drivers and Guest Agents

Lab: Deploying RHEV Virtual Machines

Summary

DAY THREE

Managing VM Snapshots and Images

Automating
VM Deployment

Monitoring and
Reporting of RHEV

Advanced RHEV
Topics (part one)

Chapter 8: Managing VM Snapshots and Images

- Creating and Using Image Snapshots
- Sharing and Editing Images



Goal:

Manage VMs with snapshots and share images.

Objectives:

- Create, restore, and delete virtual machine snapshots.
- Export and import virtual machine images.

Creating and Using Image Snapshots

 **Create Snapshot** 

Description

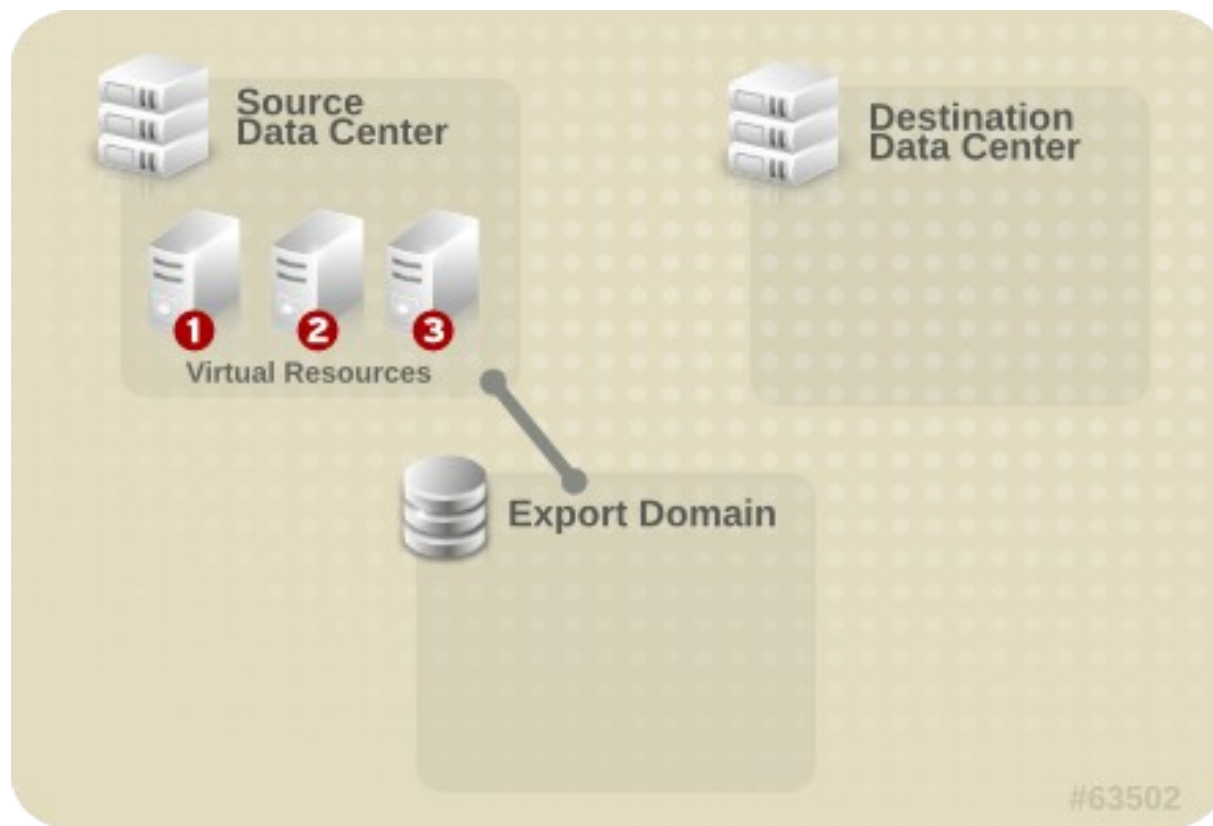
Disks to include:

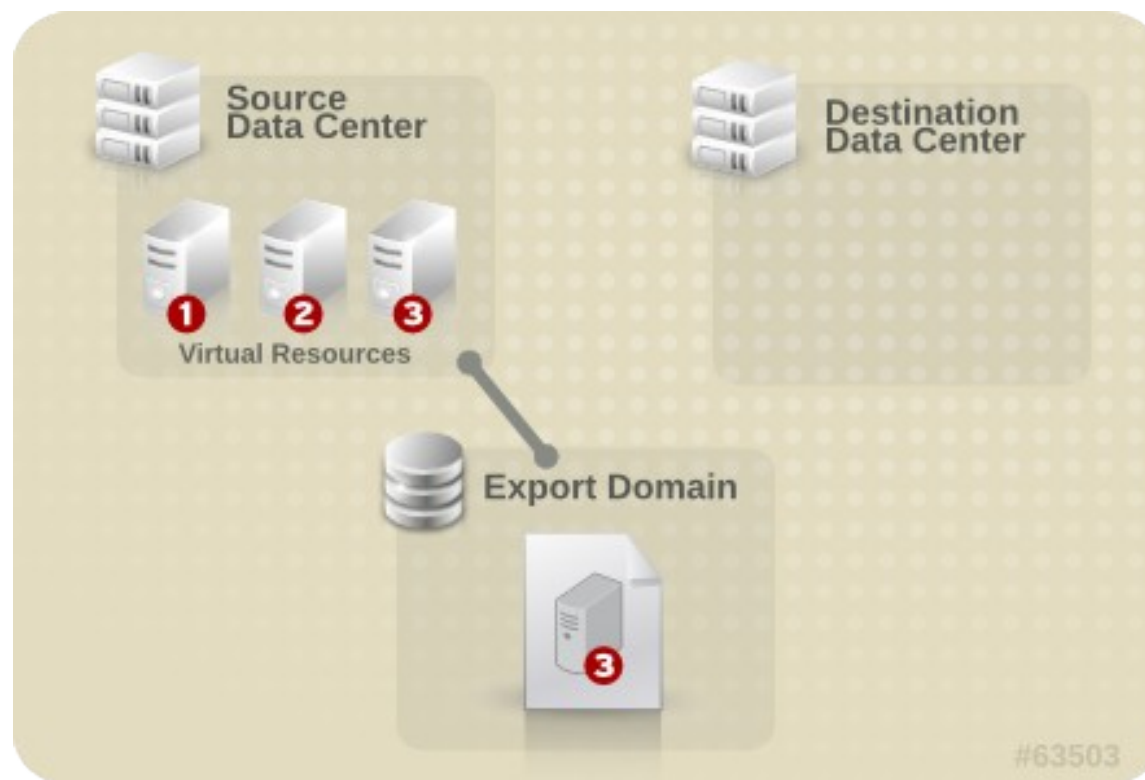
<input checked="" type="checkbox"/>	Alias	Description
<input checked="" type="checkbox"/>	A34VM_Disk1	

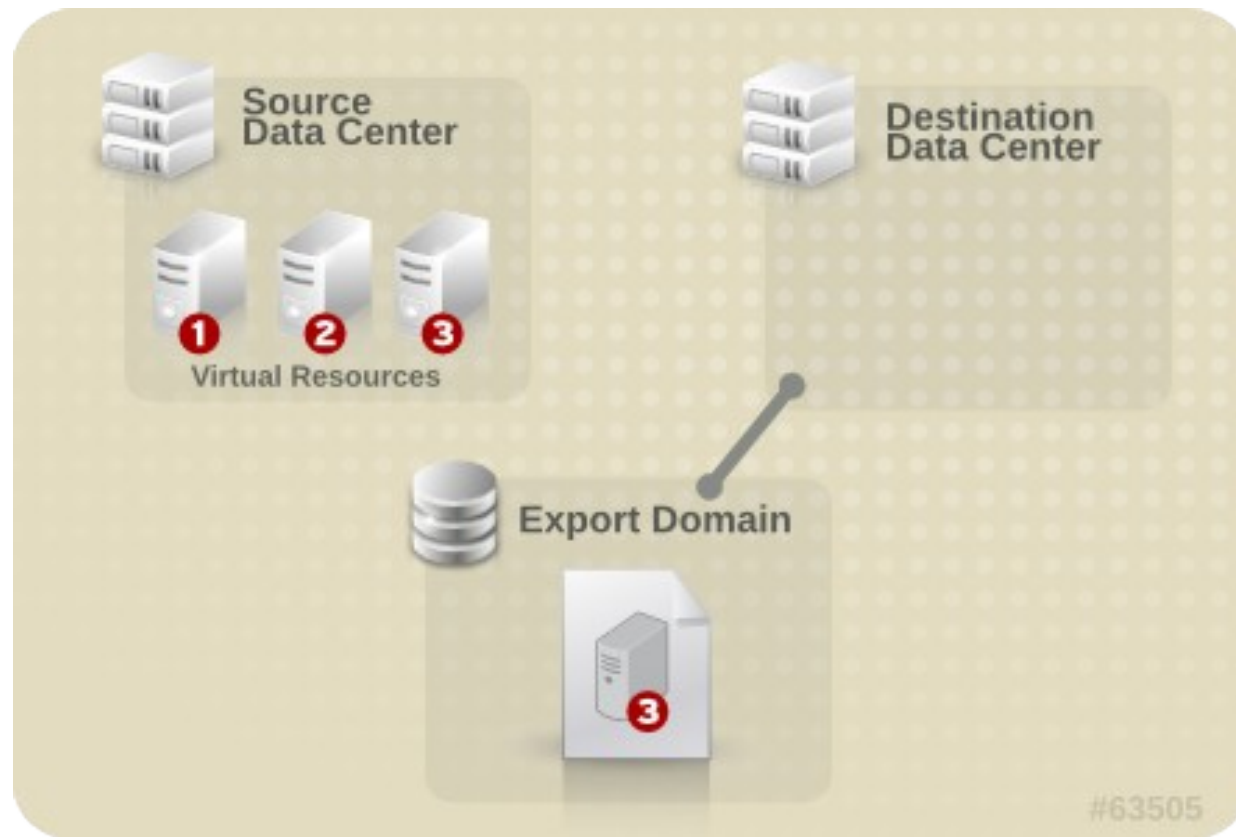
☒ Save Memory

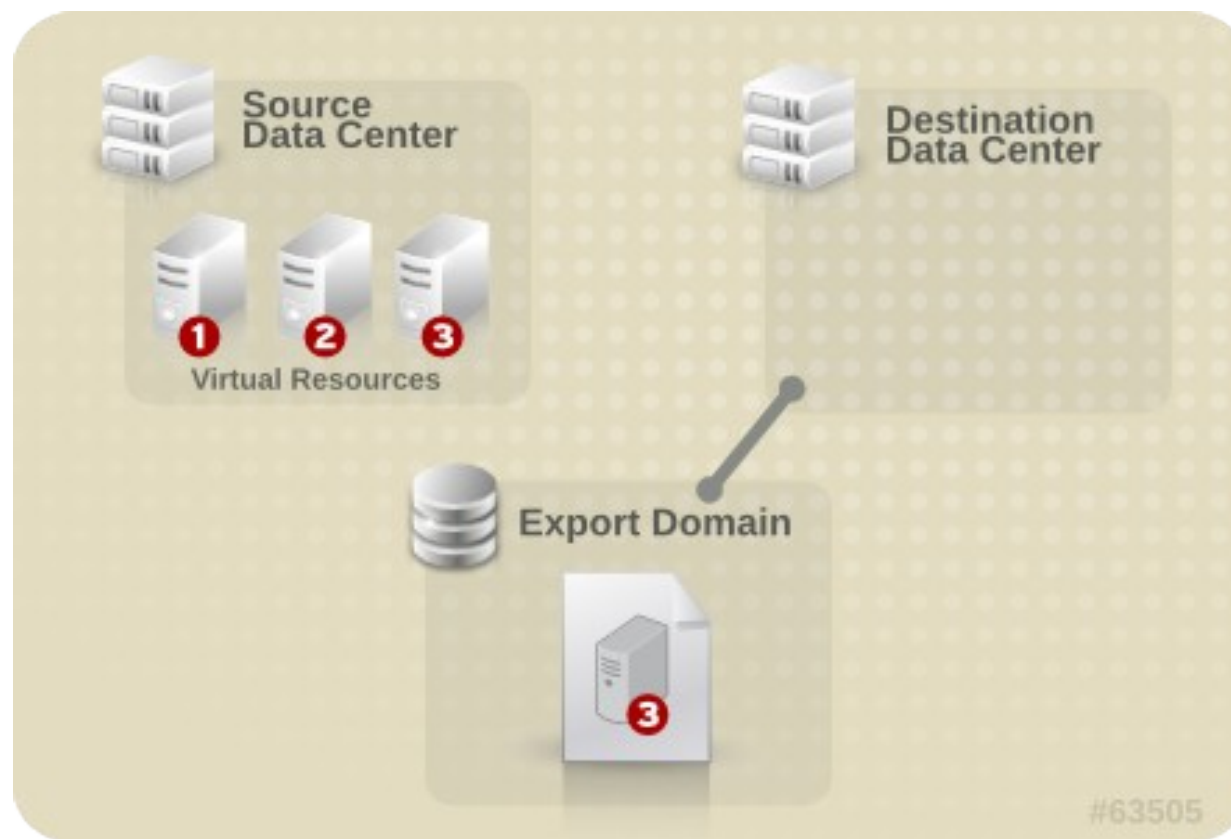
Practice: Creating and Using Image Snapshots

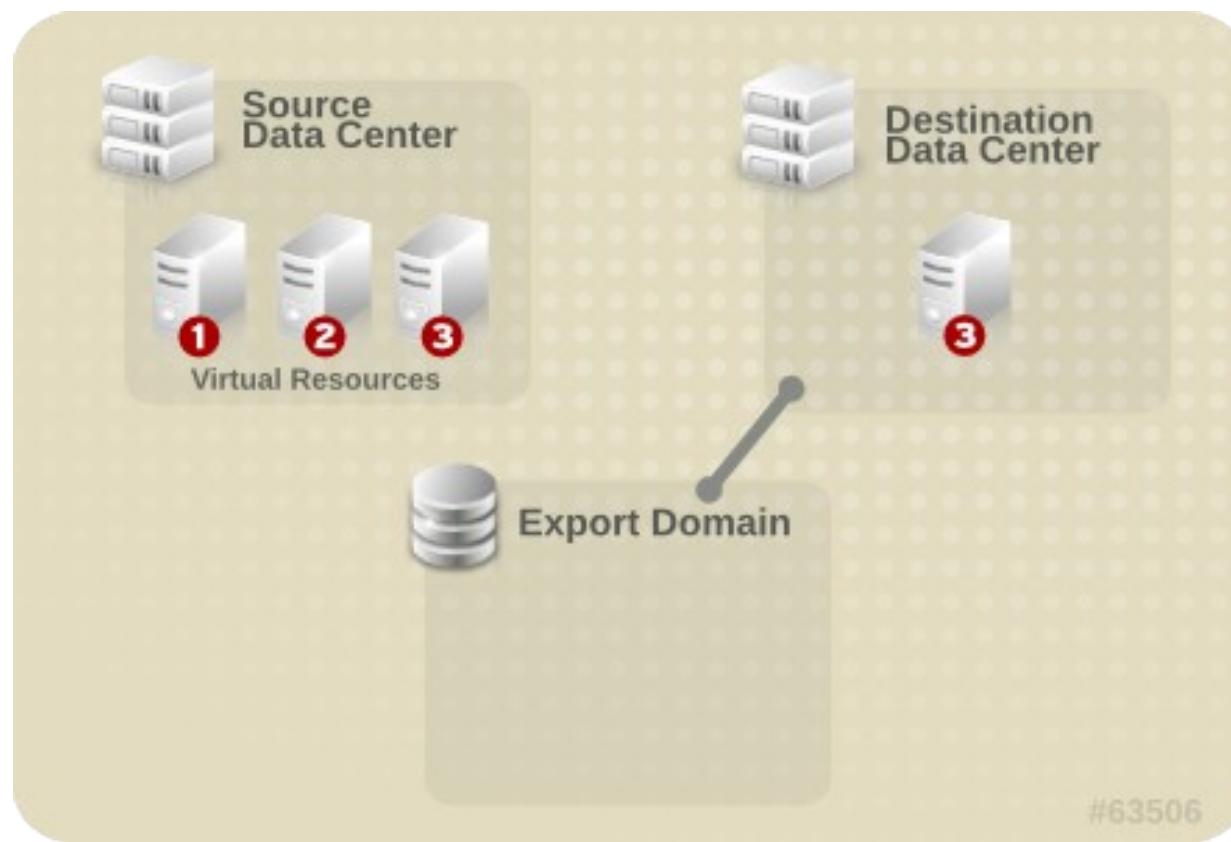
Sharing and Editing Images











Practice: Sharing and Editing Images

Quiz: Managing VM Snapshots and Images

Summary

DAY THREE

Managing VM
Snapshots and Images

**Automating VM
Deployment**

Monitoring and
Reporting of RHEV

Advanced RHEV
Topics (part one)

Chapter 9: Automating VM Deployment

- Templating Process
- Creating RHEL VMs with Template Images
- Windows VMs with Template Images
- Creating and Managing Pools
- Automating RHEL Deployment with cloud-init



Goal:

Use templates, pools and cloud-init to automate deployment of VMs.

Objectives:

- Describe the templating process.
- Seal a RHEL VM for template creation.
- Seal a Windows VM for template creation.
- Create and manage RHEL pools.
- Automate RHEL deployment with cloud-init.

Templating Process

 **New Template** 

Name

Description

Host Cluster

cluster5

Disks Allocation:

Alias	Virtual Size	Target
<div>rhel5_Disk1</div>	4 GB	<div>data5</div>

☒ Allow all users to access this Template

OK

Cancel

Quiz: Templating Process

Creating RHEL VMs with Template Images

New Template ?

Name

Description

Comment

Cluster

☐ Create as a Sub Template version

Disks Allocation:

Alias	Virtual Size	Target
<input type="text" value="My-1st-Training-VM"/>	5 GB	<input type="text" value="Training-DataD"/>

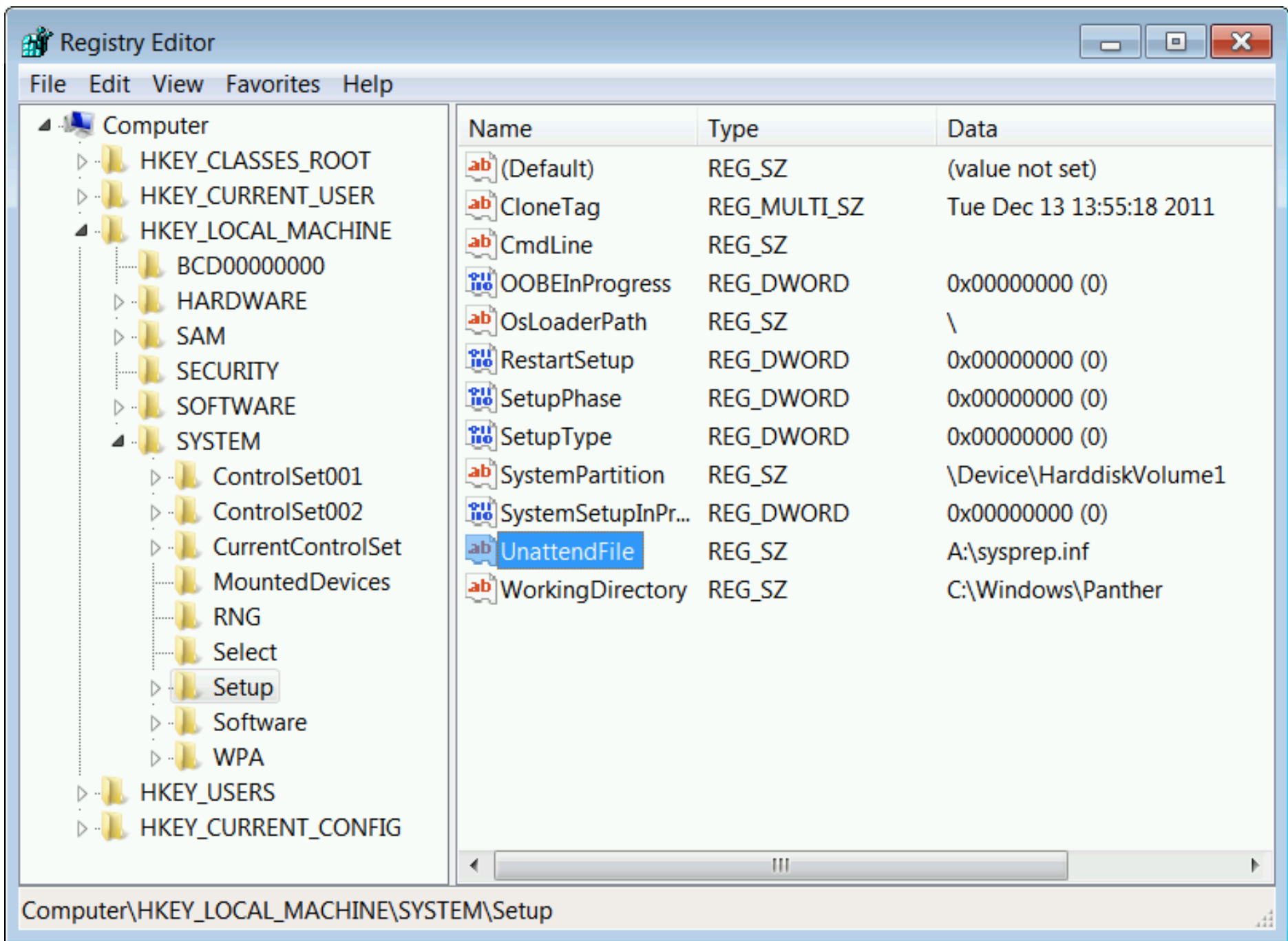
☒ Allow all users to access this Template

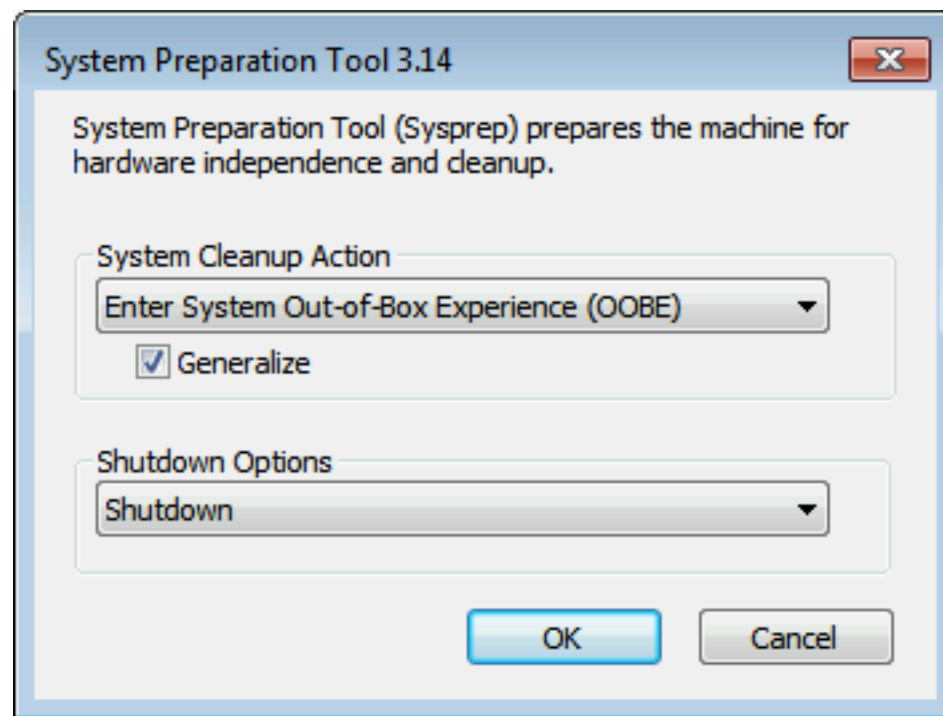
☐ Copy VM permissions

OK Cancel

Practice: Creating RHEL VMs with Template Images

Windows VMs with Template Images





Quiz: Windows VMs with Template Images

Creating and Managing Pools

New Pool

General

Pool

Initial Run

Console

Host

Resource Allocation

Boot Options

Custom Properties

Data Center

Host Cluster

Name

Description

Number of VMs

Prestarted

Based on Template

Memory Size

Total Virtual CPUs

Advanced Parameters

Operating System

dcenter5

cluster5

1

0

massivedeploy




1024 MB

1

Red Hat Enterprise Linux 6.x x64

OK

Cancel

	Name	
■	RHEL-Desktops-1	
■	RHEL-Desktops-2	
■	RHEL-Desktops-3	

Edit Pool

General

Pool

Initial Run

Console

Host

Resource Allocation

Boot Options

Custom Properties

Data Center

dcenter5

Host Cluster

cluster5

Name

RHELpool

Description

Basic RHEL Server Pool

Prestarted VMs

0

out of 2 VMs in pool

Increase number of VMs in pool by

0

VMs

Based on Template

massivedeploy

Memory Size

1024 MB

Total Virtual CPUs

1

Advanced Parameters

Operating System

Red Hat Enterprise Linux 6.x x64

OK

Cancel

Practice: Creating and Managing Pools

Automating RHEL Deployment with cloud-init

Practice: Automating RHEL Deployment with cloud-init

Summary

DAY THREE

Managing VM
Snapshots and Images

Automating
VM Deployment

**Monitoring and
Reporting of RHEV**

Advanced RHEV
Topics (part one)

Chapter 10: Monitoring and Reporting of RHEV

- Monitoring RHEV
- Generating Reports

Goal:

Locate information in the RHEV Administration Portal and generate reports of the RHEV environment.

Objectives:

- Use the search bar and tags to query RHEV.
- Generate reports on RHEV with pre-built reports.

Monitoring RHEV

Practice: Monitoring RHEV with the Search Bar and Tags

Generating Reports

Practice: Generating Reports (Prebuilt)

Lab: Monitoring and Reporting of RHEV with Ad Hoc Reports

Summary

DAY THREE

Managing VM
Snapshots and Images

Automating
VM Deployment

Monitoring and
Reporting of RHEV

**Advanced RHEV
Topics (part one)**

Chapter 11: Advanced RHEV Topics

- Backing up and Restoring RHEV
- Creating a Highly Available RHEV Manager
- Exploring Application Programming Interfaces

Goal:

Describe backing up and restoring RHEV, making RHEV highly available, and using command line and application programming interfaces.

Objectives:

- Back up and restore RHEV databases and configuration.
- Configure RHEV manager for high availability.
- Access RHEV by utilizing various application programming interfaces.

Backing up and Restoring RHEV

Practice: Backing up and Restoring RHEV

DAY FOUR

Advanced RHEV Topics (part two)

Installing
RHEL Hosts

Migrating VMs and
Configuring High Av.

Comprehensive
Review

Chapter 11: Advanced RHEV Topics

- Backing up and Restoring RHEV
- Creating a Highly Available RHEV Manager
- Exploring Application Programming Interfaces

Creating a Highly Available RHEV Manager

Quiz: Creating a Highly Available RHEV Manager

Exploring Application Programming Interfaces

Red Hat Enterprise Virtualization

Logged in user: admin | [Configure](#) | [Guide](#) | [About](#) | [Sign Out](#)
Feedback

Search: Host:

Data Centers
Clusters
Hosts
Networks
Storage
Disks
Virtual Machines
Pools
Templates
Volumes
Users

Log Viewer
Dashboard
Events

System
Expand All Collapse All

New Edit Remove Activate Maintenance Select as SPM Configure Local Storage Power Management Assign Tags Show Report Refresh Capabilities Red Hat Access: Support

Name	Hostname/IP	Cluster	Data Center	Status	Virtual Machines	Memory	CPU	Network	SPM
kvm-7587.rhpd.s.opentlc.c	192.168.0.40	Training-Cluster	Training-DataCenter	Up	1	<div><div>18%</div></div>	<div><div>4%</div></div>	<div><div>0%</div></div>	SPM
rhvh-7587.rhpd.s.opentlc.c	192.168.0.50	Training-Cluster	Training-DataCenter	Up	0	<div><div>7%</div></div>	<div><div>4%</div></div>	<div><div>0%</div></div>	Normal

General Virtual Machines Network Interfaces **Host Hooks** Permissions Hardware Information

Red Hat Search
Red Hat Documentation
Events

Event Name	Script Name	Property Name	Property Value
before_vm_start	50_floppy	md5	202fe18705a7d4c50c40c126e8f8dbe8
before_vm_migrate_source	50_floppy	md5	c68fb91d44105c8b6f2d80566314027a

Bookmarks
Tags

Last Message: 2014-Jul-30, 14:27 Migration completed (VM: My-1st-Training-VM, Source: rhvh-7587.rhpd.s.opentlc.c, Destination: kvm-7587.rhpd.s.opentlc.c, Duration: 34 sec).

Alerts (2)
Events
Tasks (0)

Quiz: Exploring Application Programming Interfaces

Quiz: Exploring Application Programming Interfaces

Summary

DAY FOUR

Advanced RHEV
Topics (part two)

**Installing RHEL
Hosts**

Migrating VMs and
Configuring High Av.

Comprehensive
Review

Chapter 12: Installing and Configuring RHEL Hosts

- Converting RHEL to be a RHEV Host

Converting RHEL to be a RHEV Host

Practice: Converting RHEL to be a RHEV Host

Quiz: Installing and Configuring RHEL Hosts

Summary

DAY FOUR

Advanced RHEV
Topics (part two)

Installing
RHEL Hosts

**Migrating Vms and
Configuring High Av.**

Comprehensive
Review

Chapter 13: Migrating VMs and Configuring High Availability

- Migrating a Virtual Machine
- Automating Migration
- Configuring High Availability

Goal:

Migrate VMs manually and automatically and configure high availability with live migration.

Objectives:

- Manually migrate a virtual machine.
- Automate migration with cluster policy.
- Configure high availability and live migration.


Migrating a Virtual Machine

Practice: Migrating a Virtual Machine

Automating Migration

Practice: Moving Host into Maintenance Mode

Configuring High Availability

 **New Virtual Machine** ✕

General	Cluster	34_Cluster/34_DC
System	Based on Template	Blank
Initial Run	Template Sub Version	base template (1)
Console	Operating System	Other OS
Host	Optimized for	Server
High Availability	<input type="checkbox"/> Highly Available	
Resource Allocation	Priority for Run/Migration queue:	
Boot Options	<input checked="" type="radio"/> Low	
Custom Properties	<input type="radio"/> Medium	
	<input type="radio"/> High	
	Watchdog	
	Watchdog Model	
	Watchdog Action	none

Practice: Configuring High Availability

Quiz: Migrating VMs and Configuring High Availability

Summary

DAY FOUR

Advanced RHEV
Topics (part two)

Advanced RHEV
Topics

Migrating VMs and
Configuring High Av.

**Comprehensive
Review**

Chapter 14: Comprehensive Review

- Comprehensive Review
- Comprehensive Review: Installation
- Comprehensive Review: Troubleshooting
- Comprehensive Review: Management

Goal:

Practice the skills attained throughout the course.

Objectives:

- Review the objectives from the course.

Comprehensive Review

Comprehensive Review: Installation

Comprehensive Review: Troubleshooting

Comprehensive Review: Management

Summary

