

VMware vSphere 6.0 Ultimate Bootcamp

Course Overview

This course provides will teach students about virtualization, planning and installing ESXi, using tools to administer a VMware environment, vCenter Server 6.0 and licensing, configuring networking, configuring storage, VM creation, configuration, & snapshots, security & permissions, server & VM monitoring, advanced ESXi & vCenter Server management, patching & upgrading ESXi, and disaster recovery & backup.

<u>Course Introduction</u>	4m
Course Introduction	
<u>Chapter 01 - Course Introduction and Methodology</u>	5m
Learn IT! Do IT! Know IT!	
Course Methodology	
Lab Access	
Certified Virtualization Expert (CVE) Certification	
Chapter 01 Review	
<u>Chapter 02 - Virtualization Overview</u>	17m
Topic 1: VMware Virtualization	
The Software-Defined Datacenter (SDDC)	
vCloud Suite 6.0	
Class Exercise - Why Virtualize?	
Why Virtualize? - Simplified Management!	
VMware TCO Comparison Calculator	
What is Virtual Infrastructure?	
VMware vSphere 6.0	
Type 1 and Type 2 Hypervisors	
What is a Virtual Machine (VM)?	
Topic 2: Other VMware & 3rd Party Virtualization Technologies	
VMware Horizon View 6.0 (Virtual Desktop Infrastructure)	
VMware Horizon FLEX	
VMware Workstation Pro 12	
VMware Fusion 8	
VMware Workstation Player	
Windows Server Virtualization Hyper-V (Windows Server 2012 R2)	
XenServer Enterprise v6	
XenDesktop & Essentials for XenServer	
Chapter 02 Review	

Chapter 03 - Planning and Installing ESXi

37m

Topic 1: Planning the ESXi Deployment
Physical Hardware Requirements
vSphere Hypervisor 6.0 (VMware ESXi)
VMware ESXi 6.0
Booting ESXi from a SAN LUN (Fibre Channel or iSCSI)
Booting ESXi from a SAN LUN
Linux, Windows & ESX/ESXi
Topic 2: vSphere 6.x Deployment Guidelines
Overview of Deployment Planning
ESXi Compatibility Guides
Storage: Capacity and Performance
VMware Capacity Planner
Topic 3: vSphere Hypervisor (ESXi) Installation
vSphere Hypervisor 6.x Installable
ESXi Installation Options
Demo: Installation of ESXi 6.0
Local Configuration of ESXi 6.0 using DCUI
UDA 2.0 Script ESXi Installation
vSphere 6.x ESXi Image Builder CLI
vSphere 5.x/6.x Auto Deploy Architecture
vSphere 6.x Auto Deploy for ESXi PXE Boot
Topic 4: Configuring Hostname Resolution and NTP
Configuring DNS Settings
Time Synchronization
Topic 5: Troubleshooting ESXi
ESXi Host Health Check
ESXi Host Boot Process
Troubleshooting: hostd
Troubleshooting ESXi CIM Management Agents
Purple Screen Of Death (PSOD)
Chapter 03 Review

Chapter 04 - Using Tools to Administer a VMware Environment

31m

Topic 1: Overview of 3rd Party Tools
WinSCP 5.x.x (Free)
ISO Programs
Xtravirt.com
Foglight for Virtualization – Free Edition (Dell Software)
RVTools v 3.7
Other Tools
Topic 2: ESXi Management
ESXi Host & vCenter Server Management Overview
Direct Console User Interface (DCUI)
Managing ESXi with the vSphere Client (VIC)
The Management User Interface (MUI) (ESXi or vCenter)
Managing with the vSphere Web Client
Customizing the vSphere Web Client 6.0 Login UI
SSH Access: PuTTY, SecureCRT, WinSCP, etc.
Datastore Browser

Configuration of Troubleshooting Options in ESXi 6.x
Troubleshooting Options: ESXi 6.x
CLI Commands Overview
CLI Commands
esxcli, vimsh, vim-cmd, "commands"
vSphere Command Line Interface (vCLI)
Managing ESX/ESXi with the vSphere CLI (vCLI)
vCLI Command Syntax
vSphere Perl SDK for vSphere 6.0
vSphere Management Assistant (vMA 6.0)
PowerCLI 6.0 Release 1
PowerGUI (Dell/Quest, Free)
Topic 3: Linux Command Review
Windows Commands vs. Linux Commands
Common Command Line Interface (CLI) Options
Working at the Command Line (CLI)
ESXi 6.0 Text Editor
Topic 4: Troubleshooting the vSphere Client (VIC)
vSphere Client (VIC) Logs
Cannot Login Using vSphere Client (VIC)
Chapter 04 Review

Chapter 05 - vCenter Server 6.0 and Licensing

1h 28m

Topic 1: Licensing
vCenter Server 6 & ESXi Host Licensing Model
vSphere Essentials 6.0 for Small Business
vSphere 6.0 License Types and Pricing
Features Added in vSphere 5.1 & Still Exist in 5.5 & 6.0
Windows Licensing Calculator
Topic 2: Planning vCenter Server Deployment
vCenter Server 6.x Summary
vCenter Server 6.0 Specifications
vCenter Server Database Overview
vCenter Server Virtual Appliance (vCSA) Specifications
Comparing Windows vCenter 6.0 to vCSA 6.0
vCenter Server 6.0 Host Functionality
vCenter Server 5.1/5.5 Managing Multiple Locations
vCenter Server 6.0 Managing Multiple Locations
vCenter Server 6.0 Architecture
Components of vCenter 6.0 - Platform Services Controller (PSC)
Components of vCenter 6.0 - vCenter Server
Topologies for vCenter 6.0
vCenter Server 6.x Database Sizing
Backup Strategy for vCenter Server
Topic 3: vCenter Server Installation
vCenter 6.0 Installation (Windows or VCSA)
Windows vCenter 6.0 Installation
vCenter Server 6.0 Single Server (Windows)
External Platform Services Controller (PSC) Only (Windows)
vCenter Server 6.0 for External PSC (Windows)

vCenter Server Appliance 6.0 for Embedded PSC (Linux)
vCenter Server 6.0 Post Install
VIC Plug-ins Post UM Install
Topic 4: vSphere Web Client
vSphere Web Client
vSphere Web Client - Requirements
Using vSphere Web Client 6.0
Topic 5: vCenter Server Inventory
vCenter Server Home Page
Hosts and Clusters: Datacenters
Hosts and Clusters: Folders and Clusters
VMs and Templates: Subfolders
vCenter Inventory: VMs/Templates Additional Information
Storage: Folders and Datastores
Networking: Portgroups & Distributed Switches (vDS)
Content Library Basics
Create a Content Library
Topic 6: Managing vCenter Server
Scheduled Tasks
Events
Sessions
Tasks/Alarms/Work in Progress & Logged On As
System Logs
Flings at VMware Labs
Topic 7: Troubleshooting vCenter Server and Database
Refreshing vCenter Server
Monitoring - Hardware Status
Monitoring - vCenter Server Status
ESXi Host Agent (hostd) Hangs
vCenter Server Log Files
vCenter Server Service (vpxd) Errors
vCenter Server Standalone Mode
vSphere Client Session Errors
Chapter 05 Review

Chapter 06 - Configuring Networking

1h 22m

Topic 1: Creating & Modifying Virtual Networks
Networking Terms
vSphere 6.0 Virtual Switch Types
Network Connections in ESXi
Add/Edit Networking
Standard Virtual Switches (vSS)
Virtual Switch & Connection Type Identification
VMware Assigned MAC Addresses
Custom MAC Address
Virtual Switch Physical NIC Configurations
NIC Teaming
Cisco Discovery Protocol on vSS
Modifying vSS Properties (Ports Tab in vSphere Client (VIC))
Ports - 5.5 & Higher

Modifying vSwitch Properties (Network Adapters Tab)
VLAN Overview
VLAN Implementations
Standard vSwitch VLAN Configuration
Standard vSwitch Protection and VLANs
Standard vSwitch & Port Group Policy Settings: Security
Standard vSwitch and Port Group Policy Exceptions: Traffic Shaping
Standard vSwitch and Port Group Policy Exceptions: NIC Teaming
Network Failure and NIC Teaming Options
Load Balancing Method: Route Based on the Originating Virtual Port ID (Default)
Load Balancing Method: Route Based on Source MAC Hash
Load Balancing Method: Route Based on IP Hash (Source + Destination)
Requirements for IP Hash
Port Group: Override vSwitch Failover Order
Multiple Policies Applied to a Single Team
Physical Switch Configuration
Topic 2: vSphere Distributed Switches
vSphere Distributed vSwitch (vDS) Overview
vSphere Distributed Switch (vDS) New Features in vSphere 5.0
vSphere Distributed Switch (vDS) New Features in vSphere 5.1
vSphere Distributed Switch (vDS) New Features in vSphere 5.5
vSphere Distributed Switch (vDS) New Features in vSphere 6.0
Creating a vSphere Distributed Switch
Edit vDS Settings
Edit vDS Uplink Settings
Edit vDS Port Group Settings
Private VLAN (PVLAN) Tagging
Private VLANs
Migrating VMkernel Port to vDS
Network I/O Control (NIOC)
Network I/O Control (NIOC) - Best Practices
Create NetFlow
Using Port Mirroring
vDS Health Check
Traffic Filtering and Marking
Configure LACP on vDS 5.5
Per VM NIOC 3 Settings
Topic 3: 3rd Party Distributed Switches
Cisco Nexus 1000v Virtual Switch
Nexus 1000v Editions Compared
Nexus 1000v Architecture
IBM System Networking Distributed Virtual Switch 5000V
Networking Review
Chapter 06 Review

Chapter 07 - Configuring Storage

1h 30m

Topic 1: Storage Concepts

Storage Terms

SAN vs NAS in vSphere

Device and Path Naming

vSphere's Family of Storage APIs

Storage APIs - Array Integration

Multipathing

Storage APIs - Multipathing

Path Selection Considerations

Viewing Multipathing from VIC

Viewing Multipathing - Web Client

Example of 3rd Party Multipathing Plugin Installation (NMP) using VIC

All Paths Down (APD)

Storage I/O Control (SIOC)

SIOC Enhancements

SIOC Setup in Web Client

SIOC Monitoring

Scanning LUNs - iSCSI/Fibre Channel

Topic 2: iSCSI Storage

Internet Small Computers Systems Interface (iSCSI) Overview

iSCSI Terms for ESX / ESXi

ESX / ESXi and iSCSI SAN Environment and Addressing

Hardware vs. Software Initiators

Multipathing with iSCSI

Setup Steps - Multipathing with Software iSCSI

iSCSI Software Initiator Networking

Configuring iSCSI

Jumbo Frames

Configure Software Initiator: CHAP Authentication

iSCSI Software Initiator Troubleshooting

iSCSI Vendors and Products

Topic 3: Fibre Channel Storage

What is Fibre Channel?

Fibre Channel Terms for ESXi

ESX / ESXi and Fibre Channel SAN Environment and Addressing

Multipathing with Fibre Channel

Fibre Channel Vendors and Products

Network/Storage Architecture Review

Topic 4: VMFS Datastores

Virtual Machine File System (VMFS-5)

Virtual Machine File System (Updates in vSphere 5.5)

Upgrade VMFS-3 to VMFS-5

Viewing and Creating a VMFS-5 Datastore

Extending your VMFS Datastore using Extents

Add an Extent to Existing VMFS

Expand an ESXi 6.0 VMFS Volume

Disk Defragmentation

VMFS Operations - vmkfstools

Topic 5: NAS Storage and NFS Datastores

Network Attached Storage (NAS)
NFS v4.1
NFS Components, Addressing and Access Control with NFS on Linux
NFS Target on Windows 2003 R2 & Higher
Mount an NFS Datastore to Host
Topic 6: Raw Device Mapping (RDM)
Raw Device Mapping (RDM)
RDM Compatibility Modes
Raw Device Mapping Benefits
Raw Device Mapping
Topic 7: Solid State Disks (SSD)
Solid State Disks (SSD)
When ESXi Fails to Identify Solid State Disks
Using SMART with SSD
Host Cache Configuration
vSphere Virtual Flash
Configure a Virtual Flash Resource
Configure Virtual Flash Host Swap
Virtual Flash Read Cache
Topic 8: Storage & Management Solutions
vFoglight Storage - Dell/Quest
vOptimizer Pro (vOPS Storage Optimizer) - Dell Software
Topic 9: VMware Virtual SAN (VSAN)
VSAN Overview
VSAN Device Configuration
VSAN Cluster Configuration
VSAN Architecture
VSAN 6.0 - What's New
Topic 10: vSphere Virtual Volumes (VVols)
vSphere Virtual Volumes (VVols) - Concepts
vSphere Virtual Volumes (VVols) - Architecture
vSphere Virtual Volumes (VVols) - Characteristics
vSphere Virtual Volumes (VVols) - Considerations, Limitations & Guidelines
VVols Certified Storage Vendors
Chapter 07 Review

Chapter 08 - VM Creation, Configuration, and Snapshots

1h 58m

Topic 1: Create a VM
VM Virtual Hardware
Types of Virtual NICs (vNIC)
Virtual Machine Files
VMDK Stub File Creation
VMDK Disk Provisioning
Virtual Disk
VM Properties HW v9 via vSphere Web Client
VM Properties HW v10 via vSphere Web Client
VM Properties HW v11 via vSphere Web Client
Larger 62 TB Virtual Disks
AHCI SATA Controller
Virtual SCSI Controller Type

Install Guest OS into VM
VM Console & Menus - VIC
VM Console - Web Client
VM Remote Console (VMRC)
VMware Tools
VMware Tools 5.0 & Earlier vs. 5.1/5.5/6.0
Topic 2: Create Multiple VMs, Templates & Clones
Clones & Templates
Deploy VM from Template
Customizing the OS in a Virtual Machine
Customization Specification Manager
Content Library - Store Template
Use Template from Library
Customize Existing VM
Deploying Across Datacenters
Topic 3: Virtual Appliances
Virtual Appliances
Import Virtual Appliances
Export VM to OVF Format
Topic 4: Configuration and Use of vApps
vApp Overview
Creating and Using vApps
Topic 5: VMware Converter (P2V – V2V)
VMware Converter 6.0
VMware Converter 6.0 What's New
VMware Converter 6.0 Sources
VMware vCenter Converter 6.0
Pre Conversion Tasks
Hot Cloning - 4 Step Process
Post Conversion Steps
VMware vCenter Converter 6.0 Standalone
Troubleshooting VMware Converter
NetIQ - PlateSpin Migrate 9.3
Topic 6: Manage VMs
Hot and Cold VM Migrations
Hot Add Memory and CPUs
VM Properties - Hardware Tab
Adding USB Devices to VM
VM Properties - Options Tab
Resize a Virtual Disk
Extend VMDK
Dell's extpart - NO REBOOT
Extend Partitions using gparted
vOptimizer Pro
Thin Provisioned Disk Reclamation
SDelete - Zero Free Space in VM
VMware GuestReclaim Fling
Raxco PerfectStorage
Renaming a Virtual Machine
Topic 7: Virtual Machine Startup / Shutdown

Startup/Shutdown of VMs
Enabling VM Startup/Shutdown
Topic 8: Virtual Machine Snapshots
Virtual Machine Snapshots
Files used by Snapshots
Taking Snapshots
Snapshot Manager
Reverting to a Snapshot
Deleting Snapshots
Consolidating Snapshots
Topic 9: Virtual Machine Troubleshooting & Best Practices
Troubleshooting VM Problems
Differences between VMs and Physical Servers (Best Practices)
Chapter 08 Review

Chapter 09 - Security and Permissions

25m

Topic 1: Controlling User Access and Passwords
Types of Users
ESXi Account Security
ESXi Account Security Configuration
ESXi Security Enhancements
Lockdown Modes in vSphere 6.0
vCenter/ESXi Host Security Model
Permissions
Global Permissions
Roles
Privileges Explained
ESXi Host Permissions
Windows vCenter Permissions
vCSA Permissions
Multiple Group Permissions No Conflicts – Groups Only
Multiple Group Permissions No Conflicts – Users and Groups
Multiple Group Permissions Conflicting Permissions
Multiple Group Permissions User Overrides and Unions
Multiple User Permissions Explicit vs. Inherited
Multiple User Permissions Explicit vs. Inherited #2
Topic 2: ESXi Active Directory (AD) Integration
AD-ESX/ESXi Authentication Services
Assign ESXi Permissions Directly to AD Users
Topic 3: Managing Firewalls
ESXi Firewall
TCP & UDP Ports
ESXi Firewall Configuration via vSphere Web Client
Topic 4: Managing Security Certificates
Data Encryption
Certificate Changes in vSphere 6.0
Vmware Certificate Management
Additional Certificate Information
Chapter 09 Review

Chapter 10 – Server and VM Monitoring

56m

Topic 1: Optimizing Resources

Transparent Memory Page Sharing

TPS Modified - ESXi 5.0 – 6.0

Memory Overcommitment

Balloon-Driver: vmmemctl

Memory Compression

VMkernel Swap

VM Swap Files

Memory Overhead

VMkernel Swap Location

Host System Swap File

Memory Usage

Virtual CPUs (vCPUs)

VMkernel CPU Load Balancing

VMs' CPU & Memory Resource Setting Terms

CPU Resource Settings

Memory Resource Settings

ESXi 6.0 Utilization per VM

Resource Shares

Topic 2: Resource Pools

Resource Pools Overview

Resource Pool Configuration

Resource Pool Example Summary

Resource Pool Example: CPU Limits

Best Practices for VM Resources

Topic 3: Latency Sensitive Applications

Deploying Extremely Latency-Sensitive Applications

Latency-Sensitive Feature

Topic 4: Performance Monitoring

Performance Monitoring - Overview

Performance Monitoring - Advanced

Customize Performance Chart

Troubleshooting Performance

esxtop

Performance Snapshots from CLI

VMware vRealize Operations (Formerly vCenter Operations Management Suite)

Veeam ONE 8 for VMware

Veeam Management Pack for System Center (Formerly nworks)

Dell Software Foglight for Virtualization - 2 Paid Editions

Solarwinds Virtualization Manager

VMTurbo Virtual Health Monitor

Topic 5: Configuring Alarms

vCenter Alarms

Default Alarms in vCenter

Alarm Settings

Configure vCenter Notifications

Topic 6: ESXi & vCenter Logs

ESXi 5.x/6.0 Log Files from DCUI

ESXi 6.0 Log File Locations

ESXi 6.0 Log Files
Collecting Windows vCenter Log Files
Collecting vCSA Log Files
Collecting vCenter Diagnostics Data
Configuring Syslog on ESXi (GUI)
syslog servers
Chapter 10 Review

Chapter 11 - Advanced ESXi and vCenter Server Management

1h 6m

Topic 1: Storage Reports
vCenter Storage Reports
Topic 2: Storage vMotion
Storage vMotion Migration
Requirements for Storage vMotion
Storage vMotion Architecture
Storage vMotion in vSphere 5.x/6.0
Topic 3: Configuring vMotion
vMotion Migration
How vMotion Works
vMotion: Host Requirements
vMotion Errors and Warnings
VM Map View
Advanced vMotion Errors
vMotion Enhancements
Cross vSwitch vMotion
Cross vCenter vMotion
Long Distance vMotion
Topic 4: Enhanced vMotion
Enhanced vMotion Migration
Topic 5: Distributed Resource Scheduler (DRS) Cluster
vCenter Host Cluster
Distributed Resource Scheduler (DRS) Overview
DRS Cluster in the vCenter Inventory
Retaining Host Resource Pools
Configure Automation Level
Initial Placement
DRS Recommendations, History, & Utilization
Virtual Machine Rules
Groups & Rules - Virtual Machine to Host
VM Overrides
Distributed Power Management (DPM)
Enhanced vMotion Compatibility (EVC)
VM Swapfile Location
Planned Downtime: Maintenance Mode
Topic 6: DRS Cluster Monitoring
Monitor Cluster Objects State
Monitoring the DRS Cluster - Resource Allocation
Monitoring the DRS Cluster - What to look for ...
Topic 7: Profile Driven Storage, Datastore Clusters & Storage DRS (SDRS)
Profile-Driven Storage

- vSphere Storage API for Storage Awareness (VASA)
- Manage Storage Capabilities
- Enable VM Storage Policy
- Create VM Storage Policies
- Apply VM Storage Policy to VMs
- Datastore Clusters
- Storage DRS (SDRS)
- Create a Datastore Cluster for SDRS
- Datastore Cluster Information
- Edit a Datastore Cluster
- Topic 8: Host Profiles
- Host Profiles Overview
- Host Profile Updates
- Create Host Profile
- Edit Host Profile
- Attach Host Profile
- Check Compliance from Host Profile
- Check Compliance from Cluster
- Apply Host Profile
- Export a Host Profile
- Topic 9: Linked Mode Group of vCenter Servers
- Linked vCenter Servers Overview - vSphere 5.1/5.5
- Linked Mode Group Prerequisites - vSphere 5.1/5.5
- Create a Linked Mode Group - vSphere 5.1/5.5
- Manage Multiple vCenters - vSphere 5.1/5.5
- Enhanced Linked Mode
- Chapter 11 Review

Chapter 12 - Patching and Upgrading ESXi

56m

- Topic 1: Patching ESXi Standalone Hosts & vCSA 6.0
- ESXi Standalone Patch Installation
- vCSA Patch/Update Installation
- Topic 2: Patching the vCenter Environment
- Update Manager 6.0 Patching
- Shavlik Protect (Standard & Advanced)
- Update Manager Terms
- Install Update Manager 6.0
- Update Manager vSphere Client Plug-in
- Update Manager Baselines
- Update Manager Remediation Defaults and Configuration Options
- Update Manager Events
- Update Manager Notifications
- Patch Repository
- Update Manager Download Service
- Update Manager Sizing Estimator
- Update Manager Tab
- Update Manager in the Web Client
- Remediation
- Topic 3: Upgrades and Migrations
- vCenter Upgrade Methodology - Older Versions to 5.x

Upgrade vCenter 5.0 to 6.0
Upgrade vCenter 5.1/5.5 to 6.0
Upgrade vCSA 5.1U3/5.5 to 6.0
Services Migrated during Upgrade vCenter to 6.0
Upgrade of Multiple vSphere Products to Use vCenter 6.0
Upgrade vCenter SSO 5.1 for External Deployment
Upgrade vCenter SSO 5.5 for External Deployment
Upgrade Embedded SSO 5.1/5.5 to External SSO 6.0 (Windows)
Upgrade vCenter 4.1 to 5.5
Upgrade vCenter 5.0 to 6.0 - All in One
Upgrade vCSA 5.1U3/5.5 to 6.0
Upgrade Update Manager 4.1 to 5.5
Upgrade Update Manager 5.5 to 6.0
Migrate SQL Express to Full SQL Server
Upgrade Error: Incompatible MSSQL Version
Upgrade Host to ESXi 6.0 using Media
ESXi Upgrade using Update Manager (5.x - 6.0)
ESXi Migration to New Hardware
Upgrade Distributed Switch to 6.0
Upgrade the Virtual Machines
Use the Web Client to Upgrade the VMware Tools
Use vSphere (web) Client to Upgrade Virtual Machine Hardware V11
Use Update Manager to Upgrade Virtual Machines
Chapter 12 Review

Chapter 13 - Disaster Recovery and Backup

1h 15m

Topic 1: vSphere Replication 6
vSphere Replication v5.5
What's New in vSphere Replication v5.5 (vR)
What's New in vSphere Replication v6.0 (vR)
VR v6.0 Deploy Appliance
VR v6.0 Configure Replication
VR v6.0 Recovery
Topic 2: Site Recovery Manager (SRM)
VMware Site Recovery Manager (SRM) V5.5
VMware Site Recovery Manager (SRM) V5.5 - Features
VMware Site Recovery Manager (SRM) V5.5 - What's New
VMware Site Recovery Manager (SRM) V6.0 - What's New
SRM Architecture Overview
Topic 3: High Availability (HA)
VMware High Availability
New vSphere 5.0 HA Features
New vSphere 5.1 HA Features
New vSphere 5.5 HA Features
New vSphere 6.0 HA Features
vSphere 6.0 HA in Action
Configure HA Cluster
VMware HA: Host Monitoring
Configure Datastore Heartbeat
Host Isolation

Guidelines for Isolation Response Setting
VMware HA: Virtual Machine Overrides
Configure HA Admission Control
HA VM Monitoring
Viewing your HA Cluster
Topic 4: VM Fault Tolerance
Fault Tolerance Overview
Demo - Fault Tolerance VM
Fault Tolerance Requirements
Fault Tolerance Differences
Configure Fault Tolerance
Topic 5: Microsoft Clustering
Virtualizing Microsoft Clusters
vSphere 5.5 Updates for MSCS/WSFC
vSphere 6.0 Updates for MSCS/WSFC
Topic 6: Backup Strategies
Backup Strategies for VMs
Topic 7: vSphere Data Protection
What's New VDP 6
vSphere Data Protection 5.8
vSphere Data Protection 5.8.0 Installation & Features
vSphere Data Protection 5.8.0 - What's New ...
vSphere Data Protection Advanced 5.8.0
vDP 5.8.0 - Configure Settings
Using VDP to Backup a VM
VDP 6.0 - Create Application Backup Job
Using VDP to Restore a VM
File Level Restore (FLR)
Replication to/from Avamar
Direct-to-Host Restore
Topic 8: Third Party Backups
Unitrends Virtual Backup 8.0 (Formerly PHD Virtual Backup)
Unitrends Enterprise Backup 8.0 (Formerly PHD Virtual Backup)
Unitrends FREE vs Enterprise
Unitrends Virtual Backup 8.0
Dell/Quest vRanger (Pro) 7.0.2
vRanger Pro – Screenshots
Veeam Backup & Replication
Veeam Backup and Recovery
What's New Veeam V8 Update 2
Veeam Backup - Screenshots
VeeamZip and Veeam Backup Free Edition
VeeamZip - Screenshots
Symantec NetBackup v 7.5
What's New NetBackup 7.6
NetBackup 7.6 Feature Comparison
Certified Virtualization Expert (CVE) Certification
Chapter 13 Review
Course Closure

Total Duration: 12h 29m