



## LEARNING PLAN

# Virtualization Platforms & Implementation

With the continued rise of cloud platforms and the meteoric rise of container services like Docker, it's no surprise that IT professionals are increasingly expected to understand and use virtualization solutions. Develop an understanding of the tools and techniques necessary to get the most out of virtualization in your environment.

### Areas of focus

- Deploying in a virtual environment
- Managing and monitoring virtual resources
- Planning virtualization for scalability

### Curriculum

VIDEOS FROM COURSE

#### VMware vSphere 6 (VCP6-DCV) 13 hours

<input type="checkbox"/> <a href="#">Welcome to vSphere 6</a>	3 min
<input type="checkbox"/> <a href="#">What is a Hypervisor?</a>	9 min
<input type="checkbox"/> <a href="#">What is vSphere?</a>	14 min
<input type="checkbox"/> <a href="#">Lab Design and Preparation</a>	16 min
<input type="checkbox"/> <a href="#">ESXi as a Lab VM</a>	16 min
<input type="checkbox"/> <a href="#">ESXi Initial Configuration</a>	12 min
<input type="checkbox"/> <a href="#">AD, DNS &amp; other Services</a>	13 min
<input type="checkbox"/> <a href="#">vSphere Windows Client</a>	14 min
<input type="checkbox"/> <a href="#">vCenter Options</a>	9 min
<input type="checkbox"/> <a href="#">Deploying the vCSA</a>	16 min
<input type="checkbox"/> <a href="#">vCSA Hacked to run on Workstation</a>	16 min
<input type="checkbox"/> <a href="#">Add ESXi Hosts to vCSA</a>	16 min
<input type="checkbox"/> <a href="#">Datastores</a>	14 min
<input type="checkbox"/> <a href="#">Deploying a VM in vSphere</a>	17 min
<input type="checkbox"/> <a href="#">Install VMware Tools</a>	12 min
<input type="checkbox"/> <a href="#">Using VM Templates</a>	10 min
<input type="checkbox"/> <a href="#">OVA and OVF</a>	16 min
<input type="checkbox"/> <a href="#">Snapshots</a>	14 min
<input type="checkbox"/> <a href="#">Introduction to vSphere Networking</a>	12 min
<input type="checkbox"/> <a href="#">Create a Virtual Switch</a>	13 min
<input type="checkbox"/> <a href="#">Freesco Router VM</a>	16 min
<input type="checkbox"/> <a href="#">iSCSI Concepts</a>	10 min
<input type="checkbox"/> <a href="#">iSCSI Target using Windows Server</a>	6 min
<input type="checkbox"/> <a href="#">Add an iSCSI Datastore</a>	14 min
<input type="checkbox"/> <a href="#">iSCSI Multipath</a>	14 min
<input type="checkbox"/> <a href="#">Create NFS Datastores</a>	13 min

### Prerequisite Plans

FUNDAMENTAL LEVEL

[Working with Developers & DevOps](#)  
[Virtualization Concepts](#)  
[Cloud Computing Fundamentals](#)



### Current Plan

ASSOCIATE LEVEL

[Virtualization Platforms & Implementation](#)



### Possible Next Plans

EXPERT LEVEL

[Advanced Virtualization Skills](#)

## VIDEOS FROM COURSE

**VMware vSphere 6 (VCP6-DCV) (cont.)**

<input type="checkbox"/>	<a href="#">vMotion</a>	16 min
<input type="checkbox"/>	<a href="#">Using DRS</a>	15 min
<input type="checkbox"/>	<a href="#">Distributed Switch Concepts</a>	4 min
<input type="checkbox"/>	<a href="#">Implement a Distributed Switch</a>	18 min
<input type="checkbox"/>	<a href="#">Networking Policy Concepts (Standard vSwitch)</a>	17 min
<input type="checkbox"/>	<a href="#">Using Standard vSwitch Policies</a>	18 min
<input type="checkbox"/>	<a href="#">Migrate VMK port to VDS</a>	14 min
<input type="checkbox"/>	<a href="#">Distributed Switch Features</a>	11 min
<input type="checkbox"/>	<a href="#">Increasing a Datastore</a>	6 min
<input type="checkbox"/>	<a href="#">Using vApps</a>	16 min
<input type="checkbox"/>	<a href="#">CPU and Memory Control Concepts</a>	16 min
<input type="checkbox"/>	<a href="#">Implement Reservations and Limits</a>	16 min
<input type="checkbox"/>	<a href="#">Resource Pool Concepts</a>	15 min
<input type="checkbox"/>	<a href="#">Using Resource Pools</a>	14 min
<input type="checkbox"/>	<a href="#">Using Storage DRS</a>	15 min
<input type="checkbox"/>	<a href="#">High Availability (HA)</a>	14 min
<input type="checkbox"/>	<a href="#">VM Fault Tolerance (FT)</a>	13 min
<input type="checkbox"/>	<a href="#">Storage Policy Concepts</a>	11 min
<input type="checkbox"/>	<a href="#">Applying VM Storage Policies</a>	9 min
<input type="checkbox"/>	<a href="#">Virtual SAN (VSAN)</a>	17 min
<input type="checkbox"/>	<a href="#">Add LDAP to SSO</a>	10 min
<input type="checkbox"/>	<a href="#">vSphere Authorization</a>	12 min
<input type="checkbox"/>	<a href="#">vSphere Alarms and Alerts</a>	11 min
<input type="checkbox"/>	<a href="#">Affinity Concepts</a>	5 min
<input type="checkbox"/>	<a href="#">Using Affinity Rules</a>	14 min
<input type="checkbox"/>	<a href="#">Customization Specifications</a>	11 min
<input type="checkbox"/>	<a href="#">Content Libraries</a>	9 min
<input type="checkbox"/>	<a href="#">Additional Products and Features</a>	16 min
<input type="checkbox"/>	<a href="#">Additional Fishing Tools</a>	9 min
<input type="checkbox"/>	<a href="#">ESXi Host Security</a>	21 min
<input type="checkbox"/>	<a href="#">Managing Conflicts</a>	17 min
<input type="checkbox"/>	<a href="#">The Parka Principle</a>	5 min

## VIDEOS FROM COURSE

**Microsoft Azure 70-532 (Videos 12-20) 2 hours**

<input type="checkbox"/>	<a href="#">Introduction to Azure Virtual Machines</a>	10 min
<input type="checkbox"/>	<a href="#">Azure Virtual Machines: Creating New VMs</a>	10 min
<input type="checkbox"/>	<a href="#">Azure Virtual Machines: VHDs, Disks, and Images</a>	16 min
<input type="checkbox"/>	<a href="#">Azure Virtual Machines: Custom Extensions</a>	11 min

## VIDEOS FROM COURSE

**Microsoft Azure 70-532 (cont.)**

<input type="checkbox"/>	<a href="#">Azure Virtual Machines: Networks and Cloud Services</a>	12 min
<input type="checkbox"/>	<a href="#">Azure Virtual Machines: Endpoints, ACLs, and Load Balancing</a>	19 min
<input type="checkbox"/>	<a href="#">Azure Virtual Machines: Scaling and Availability</a>	13 min
<input type="checkbox"/>	<a href="#">Azure Virtual Machines: Storage Planning</a>	19 min
<input type="checkbox"/>	<a href="#">Azure Virtual Machines: Diagnostic Measurements</a>	10 min

## VIDEOS FROM COURSE

**Google Compute Engine: Qualified Developer**

(Videos 11-20)

2.5 hours

<input type="checkbox"/>	<a href="#">Startup Scripts and Metadata</a>	14 min
<input type="checkbox"/>	<a href="#">Demo: Startup Scripts and Metadata</a>	16 min
<input type="checkbox"/>	<a href="#">Networking</a>	19 min
<input type="checkbox"/>	<a href="#">Demo: Networking</a>	11 min
<input type="checkbox"/>	<a href="#">Advanced Networking</a>	13 min
<input type="checkbox"/>	<a href="#">Demo: Advanced Networking - Configuring a NAT Gateway</a>	13 min
<input type="checkbox"/>	<a href="#">Demo: Advanced Networking - Configuring Protocol Forwarding</a>	11 min
<input type="checkbox"/>	<a href="#">Load Balancing</a>	15 min
<input type="checkbox"/>	<a href="#">Demo: Load Balancing - Network Load Balancing</a>	12 min
<input type="checkbox"/>	<a href="#">Demo: Load Balancing - HTTP Load Balancing</a>	17 min