



LEARNING PLAN

Virtualization Concepts

For many years, the role of the IT professional has been to look after specific physical servers. With virtualization, the burden and dependence on hardware can now be abstracted. Virtualization has evolved from simply hosting multiple operating systems on a single box, to complex virtualization of networking, storage, and security. Explore these virtualization concepts and how you can best leverage them. Delve into the cutting edge of virtualization with containers, the virtualization of application workloads, and how the cloud can help scale virtualization beyond the enterprise data center.

Areas of focus

- What is virtualization?
- Different types of virtualization
- Common virtualization platforms

Curriculum

VIDEOS FROM COURSE

VMware VCA-DCV	3 hours
<input type="checkbox"/> Welcome and Overview	11 min
<input type="checkbox"/> Give me a "V"	22 min
<input type="checkbox"/> ESXi Hypervisor	20 min
<input type="checkbox"/> vMotion	17 min
<input type="checkbox"/> Virtual Storage	24 min
<input type="checkbox"/> vCenter	5 min
<input type="checkbox"/> Networking	17 min
<input type="checkbox"/> vCenter Operations Manager	6 min
<input type="checkbox"/> VCM, VDP & SRM	11 min
<input type="checkbox"/> Final Prep	12 min

VIDEOS FROM COURSE

Docker	2 hours
<input type="checkbox"/> Intro	1 min
<input type="checkbox"/> Containers vs Virtual Machines	9 min
<input type="checkbox"/> How Docker Works	7 min
<input type="checkbox"/> Docker Installer (Deconstructed!)	6 min
<input type="checkbox"/> Create a Simple Dockerized App	9 min
<input type="checkbox"/> Managing Containers and Images	13 min
<input type="checkbox"/> Networking	11 min
<input type="checkbox"/> Advanced Networking	11 min

Prerequisite Plans

INTRODUCTORY LEVEL

[Introduction to IT](#)



Current Plan

FUNDAMENTAL LEVEL

Virtualization Concepts



Possible Next Plans

ASSOCIATE LEVEL

[Server Administration & Tools](#)

[Virtualization Platforms & Implementation](#)

VIDEOS FROM COURSE

Docker (cont.)

<input type="checkbox"/>	Shared and Persistent Data	8 min
<input type="checkbox"/>	Modifying Containers and Images	8 min
<input type="checkbox"/>	Creating Images from Scratch	12 min
<input type="checkbox"/>	Containers Working Together	10 min
<input type="checkbox"/>	GUI Tools for Docker	7 min