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
- Welcome and Overview 11 min
- Give me a “V” 22 min
- ESXi Hypervisor 20 min
- vMotion 17 min
- Virtual Storage 24 min
- vCenter 5 min
- Networking 17 min
- vCenter Operations Manager 6 min
- VCM, VDP & SRM 11 min
- Final Prep 12 min

VIDEOS FROM COURSE
Docker 2 hours
- Intro 1 min
- Containers vs Virtual Machines 9 min
- How Docker Works 7 min
- Docker Installer (Deconstructed!) 6 min
- Create a Simple Dockerized App 9 min
- Managing Containers and Images 13 min
- Networking 11 min
- 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
<table>
<thead>
<tr>
<th>Video Title</th>
<th>Duration</th>
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<tbody>
<tr>
<td>Shared and Persistent Data</td>
<td>8 min</td>
</tr>
<tr>
<td>Modifying Containers and Images</td>
<td>8 min</td>
</tr>
<tr>
<td>Creating Images from Scratch</td>
<td>12 min</td>
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<tr>
<td>Containers Working Together</td>
<td>10 min</td>
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<tr>
<td>GUI Tools for Docker</td>
<td>7 min</td>
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