

# VMware vSphere 5.5 Advanced Administration & VCAP5-DCA Prep

## Advance with confidence.

### Course Overview:

Are you ready to immerse yourself in the Advanced vSphere 5.5 Administration of the vSphere Datacenter? Are you thinking about taking the VCAP-DCA exam? For the first time anywhere you can attend the course that will prepare you for this exam.

Students will not only learn many advanced administration concepts, but will also study and learn content exclusively prepared to give students the knowledge and skills necessary to pass the VCAP5-DCA exam. The DCA exam consists of up to 40 live lab activities designed to test both knowledge and experience. Each section of this course provides hands on labs to instill the knowledge at or above the level expected of an exam candidate.

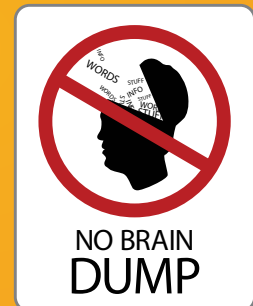
This bootcamp runs 5 days, 8am – 6pm

**Ultimate  Bootcamp<sup>®</sup>**


**Get VCAP certified in less than half the time for a fraction of the cost**

The VCAP certification differentiates and acknowledges those individuals who have continued to grow and develop more complex skill sets beyond the VCP5 or CVE5.5 certifications.

This course is not just a brain dump to pass the test. Students will leave this course understanding many advanced administration concepts. We want you to learn and not just memorize!



### THREE VMware Classes in ONE!

VMware's recommended VCAP preparation courses			Ultimate Bootcamp
COURSE	DAYS	COST	
VMware vSphere: Troubleshooting	4	\$ 3,295.00	<b>INCLUDED!</b>
VMware vSphere: Optimize and Scale	5	\$ 4,495.00	<b>INCLUDED!</b>
VMware vSphere: Automation with vSphere PowerCLI	2	\$ 1,695.00	<b>INCLUDED!</b>
<b>TOTAL</b>	<b>11</b>	<b>\$9,485.00</b>	<b>5 Days - Call for Pricing!</b>

**Call (877) 472-8844 Today for Pricing!**

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# Course Outline

## Introduction and Course Overview

- Topic 0.1 – Class Introduction
- Topic 0.2 – VMware Certification (VCP, VCAP-DCA, VCAP-DCD, VCDX)

## Chapter 1 – Advanced Troubleshooting & Performance Resources

- Topic 1.1 – ESXi Architectural Overview
- Topic 1.2 – Troubleshooting & Performance Basics
- Topic 1.3 – Tools of the Trade
- Topic 1.4 – Performance Charts (Rollups)
- Topic 1.5 – Configure, Manage and Analyze vSphere Log Files

## Chapter 2 – Perform Scripting and Automation

- Topic 2.1 – Execute VMware Cmdlets and Customize Scripts Using PowerCLI
- Topic 2.2 – Administer vCenter Orchestrator
- Topic 2.3 – Administer vSphere using the vSphere Management Assistant
- Topic 2.4 – Implement and Maintain Host Profiles
- Topic 2.5 – Troubleshooting Scripting and Automation

## Chapter 3 – Implement and Manage CPU

- Topic 3.1 – CPU technology & management
- Topic 3.2 – Analyze CPU Performance
- Topic 3.3 – Troubleshoot CPU Performance

## Chapter 4 – Implement and Manage Memory

- Topic 4.1 – Memory technology & management
- Topic 4.2 – Analyze Memory Performance
- Topic 4.3 – Troubleshoot Memory Performance

## Chapter 5 – Implement and Manage Networking

- Topic 5.1 – Virtual Networking technology & management
- Topic 5.2 – Configure and Maintain VLANs, PVLANS and VLAN Settings
- Topic 5.3 – Analyze & Configure vSphere Distributed Switch
- Topic 5.4 – Analyze & Troubleshoot Network Performance and Connectivity

## Chapter 6 – Implement and Manage Storage

- Topic 6.1 – Storage technology & management
- Topic 6.2 – Manage Storage Capacity in a vSphere Environment

- Topic 6.3 – Configure and Manage Complex Multipathing and PSA Plug-ins
- Topic 6.4 – Analyze & Troubleshoot Storage Performance and Connectivity

## Chapter 7 – vSphere Operational Maintenance

- Topic 7.1 – Tune and Optimize vSphere Performance
- Topic 7.2 – Implement and Maintain Complex DRS Solutions
- Topic 7.3 – Implement and Maintain Complex VMware HA Solutions
- Topic 7.4 – Deploy and Maintain Complex Update Manager Solutions
- Topic 7.5 – Analyze & Troubleshoot vCenter Server and ESX/ESXi Host Management

## Chapter 8 – Perform Advanced vSphere Installations and Configurations

- Topic 8.1 – Install ESXi Host with custom settings
- Topic 8.2 – Utilizing Image Builder
- Topic 8.3 – Install ESXi hosts using Auto Deploy

## Chapter 9 – Secure a vSphere Environment

- Topic 9.1 – Secure ESXi Hosts
- Topic 9.2 – Configure and Maintain the ESX Firewall
- Topic 9.3 – Configure Virtual Machines for Security

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## Prerequisites:

- There are no prerequisites for this class, however we do recommend the vSphere Ultimate Bootcamp®, VMware FastTrack, or equivalent class.
- VCP Certification is required only if you are planning to take the VCAP exam.

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## Target Audience:

- IT Professionals looking to extend their VMware skill set and knowledge to the next level
- Anyone who is planning on taking the VMware Certified Advanced Professional – Datacenter Administration exam

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