



**Enterprise Computing Solutions - Education Services**

## **TRAINING OFFERING**

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CODE:	LENGTH:	PRICE:
VM-VS-DW-V55	24 Hours (3 days)	\$2,775.00

## Description

The goal of this course is to equip you with the knowledge, skills, and abilities to design a VMware vSphere® 5.5 virtual infrastructure that is available, scalable, manageable, and secure. You will design such an infrastructure while meeting your organization's business objectives and working within its constraints and requirements. This course discusses the benefits and risks of available design alternatives and provides information to support making sound design decisions. This course also gives you an opportunity to practice your design skills by working with peers on a design project. The course is based on VMware ESXi™ and VMware vCenter Server™ 5.5. After you complete this course you may enroll in any of our advanced vSphere courses. For advanced course options, go to [www.vmware.com/education](http://www.vmware.com/education).

## Objectives

- Understand and apply a framework to a design.
- Design a storage solution to use vSphere in an enterprise.
- Design a network to use vSphere in an enterprise.
- Design compute resources for an enterprise.
- Design virtual machines to run applications in a virtual infrastructure.
- Design a virtual datacenter for an enterprise.
- Incorporate management and monitoring features in the design.
- Identify design goals, requirements, constraints, and risks.
- Identify useful information for making design decisions.
- Recognize and analyze best-practice recommendations.
- Analyze alternative design choices.

## Audience

- Consulting professionals
- Solution architects
- System architects
- System administrators
- IT managers

## Prerequisites

Knowledge of vSphere 5.5 installation, upgrade, configuration, and administration

## Programme

Course Introduction Introductions and course logistics Course objectives Design Process Overview

Clarify key terminology Identify and discuss design guidelines, design approaches, design sessions, and design decisions and implications, and create a design framework Define and describe a framework methodology Identify design tools, including the architecture quality matrix, Information Technology Infrastructure Library v3, and the vSphere technology stack

VMware vSphere Storage Design

Identify useful information for making design decisions about virtual and physical storage Recognize and analyze best-practice recommendations Analyze alternative storage design choices Communicate choices and their benefits and risks to the customer Develop a storage design

VMware vSphere Network Design

Identify useful information for making design decisions about virtual and physical networks Recognize and analyze best-practice recommendations Analyze alternative network design choices Communicate choices and their benefits and risks to the customer Develop a network design

Compute Resources Design

Identify useful information for making design decisions about host CPU and memory Recognize and analyze best-practice recommendations Analyze alternative host design choices Communicate choices and their benefits and risks to the customer Develop a host design

Virtual Machine Design

Identify useful information for making design decisions about virtual machines Recognize and analyze best-practice recommendations Analyze alternative virtual machine design choices Communicate choices and their benefits and risks to the customer Develop a virtual machine design

VMware vSphere Virtual Datacenter Design

Identify useful information for making design decisions about virtual datacenters regarding management server and cluster configuration Recognize and analyze best-practice recommendations Analyze alternative virtual datacenter design choices Communicate choices and their benefits and risks to the customer Develop a virtual datacenter design

#### Management and Monitoring Design

Identify useful information for making design decisions about management and monitoring Recognize and analyze best-practice recommendations Analyze alternative management and monitoring design choices Communicate choices and their benefits and risks to the customer Develop a management and monitoring design

### Test and Certification

• Understand and apply a framework to a design. • Design a storage solution to use vSphere in an enterprise. • Design a network to use vSphere in an enterprise. • Design compute resources for an enterprise. • Design virtual machines to run applications in a virtual infrastructure. • Design a virtual datacenter for an enterprise. • Incorporate management and monitoring features in the design. • Identify design goals, requirements, constraints, and risks. • Identify useful information for making design decisions. • Recognize and analyze best-practice recommendations. • Analyze alternative design choices.

### Session Dates

On request. Please [Contact Us](#)

### Additional Information

[This training is also available as onsite training. Please contact us to find out more.](#)