VMware vSphere: Design [V8] (VSD8)

ID VSD8 **Price** CHF 3,030.—(excl. VAT) **Duration** 3 days

Who should attend

System integrators, Consultants, Solution architects

This course is part of the following Certifications

VMware Certified Advanced Professional – Cloud Management and Automation Design (VCAP-CMA DESIGN)
VMware Certified Advanced Professional – Data Center Virtualization Design (VCAP-DCV DESIGN)

Prerequisites

This course requires completion of the one of the following:

- VMware vSphere: Install, Configure, Manage
- VMware vSphere: Operate, Scale, and Secure

Course Objectives

By the end of the course, you should be able to meet the following objectives:

- Create a vSphere design given a case study
- Identify and assess the business objectives of the vSphere environment
- Identify business requirements, constraints, assumptions, and risks, for all layers in the vSphere environment
- Apply a framework to a design
- Analyze design choices for vCenter, ESXi, storage, networking, vSphere clusters, and virtual machines
- Identify design decisions to ensure manageability, which include scalability, capacity planning and lifecycle management
- Identify design decisions to ensure that the vSphere environment is highly available
- Identify design decisions to ensure that the vSphere environment performs well
- Identify design decisions to ensure that the vSphere environment is secure
- Identify design decisions to ensure that the vSphere environment can recover from data loss or disaster

Course Content

Course Introduction

- Introductions and course logistics
- Course objectives

Infrastructure Assessment

- Describe various design framework principles
- Follow a proven process to design a virtualization solution
- Define customer business objectives and requirements
- Use a systematic method to evaluate and document a conceptual model
- Create a logical design from a conceptual model
- Recognize key information contained in the physical design

Designing for Manageability: Capacity Planning

- Make capacity planning design decisions that adhere to business requirements
- Design capacity planning strategies that meet the needs of the vSphere environment and follow VMware best practices
- Calculate compute and storage requirements for the VMs in the vSphere environment

Designing for Manageability: Scalability

- Make scalability design decisions that adhere to business requirements
- Design scalability strategies that meet the needs of the vSphere environment and follow VMware best practices

Designing for Manageability: Lifecycle Management

- Make lifecycle management design decisions that adhere to business requirements
- Design lifecycle management strategies that meet the needs of the vSphere environment and follow VMware best practices

Designing for Availability

- Make availability design decisions that adhere to business requirements
- Design availability strategies that meet the needs of the vSphere environment and follow VMware best practices

Designing for Performance

- Make performance design decisions that adhere to business requirements
- Design performance strategies that meet the needs of the vSphere environment and follow VMware best practices

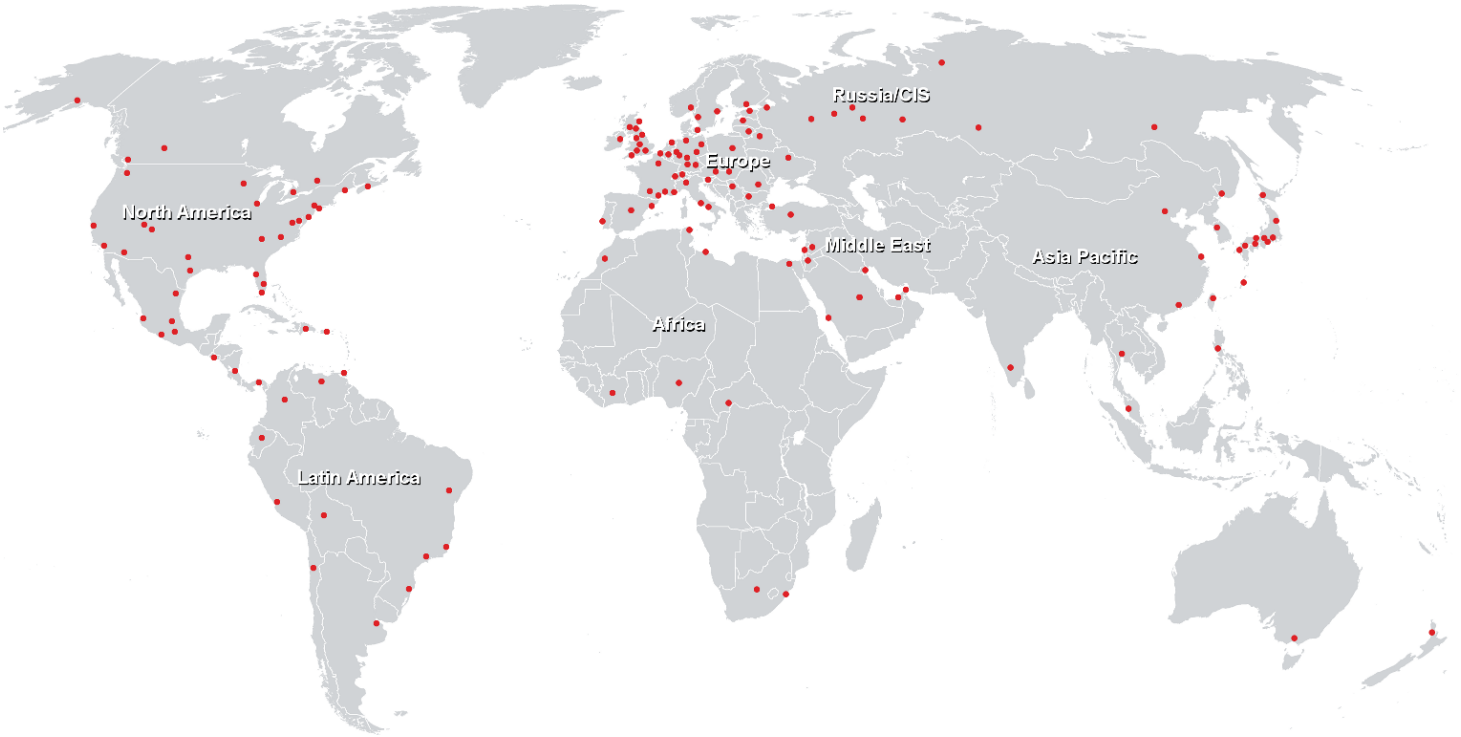
Designing for Security

- Make security design decisions that adhere to business requirements
- Design security strategies that meet the needs of the vSphere environment and follow VMware best practices

Designing for Recoverability

- Make recoverability design decisions that adhere to business requirements
- Design recoverability strategies that meet the needs of the vSphere environment and follow VMware best practices

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