VMware vSphere: Design Workshop [V6.5]

DATA CENTER VIRTUALIZATION CLOUD INFRASTRUCTURE

Course Code: VMvSDW

Duration: 3 Days

Prerequisite:
This course requires completion of the following prerequisites:
- VMware vSphere: Install, Configure, Manage [V6.5]
- VMware vSphere: Optimize and Scale [V6.5]

Certification:
- VMware Certified Advanced Professional 6 – Data Center Virtualization Design (VCAP6-DCV Design)

Course Description:
This three-day training course equips you with the knowledge, skills, and abilities to design a VMware vSphere® 6.5 virtual infrastructure. You follow a proven approach to design a virtualization solution that ensures availability, manageability, performance, recoverability, and security, and that uses VMware best practices.

This course discusses the benefits and risks of available design alternatives and provides information to support making sound design decisions.

Given a case study, you practice your design skills by working with peers on a design project.

Product Alignment
- VMware ESXi™ 6.5
- VMware vCenter Server® 6.5

Course Objectives:
By the end of the course, you should be able to meet the following objectives:
- Assess the business and application requirements of the current environment
- Apply a framework to a design
- Analyze design choices and best-practice recommendations
- Create a design that ensures availability, manageability, performance, recoverability, and security
- Design the core management infrastructure for an enterprise
- Design the virtual data center for an enterprise
- Design the compute infrastructure for an enterprise
- Design the storage and networking infrastructures for an enterprise
- Design virtual machines to run applications in a vSphere infrastructure
- Design security, management, and recoverability features for an enterprise

Intended Audience:
- Experienced system integrators and consultants responsible for designing and deploying vSphere environments

Course Outline:

Module 1: Course Introduction
Module 2: Infrastructure Assessment
Module 3: Core Management Infrastructure
Module 4: Virtual Data Center Infrastructure
Module 5: Compute Infrastructure
Module 6: Storage Infrastructure
Module 7: Network Infrastructure
Module 8: Virtual Machine Design
Module 9: Infrastructure Security
Module 10: Infrastructure Manageability
Module 11: Infrastructure Recoverability