

VMWARE VSPHERE - DESIGN WORKSHOP

Durée

3 jours

Référence Formation

4-VS-DW

Objectifs

Formation VMware vSphere : Design Workshop [V5]

The goal of this course is to equip consulting professionals with the knowledge, skills, and abilities to achieve competence in designing a VMware vSphere® 5 virtual infrastructure. Given an organization's constraints and requirements, the infrastructure should be available, scalable, manageable, and secure while meeting the organization's business objectives. The course is based on VMware ESXi™ and VMware vCenter™ Server 5. This course discusses the benefits and risks of available design alternatives and provides information to support making sound design decisions. This course also provides an opportunity to practice your design skills by working with peers on a design project.

Participants

Pré-requis

VMware pre- and postsales technical professionals responsible for designing vSphere architectures.

PROGRAMME

· Module 1: Course Introduction

Identify the course goals

Identify the course objectives

View the course module outline

· Module 2: 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

· Modules 3 :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

· Module 4: 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

· Module 5: 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

· Module 6 : 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

· Module 7: 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

· Module 8: 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

Moyens pédagogiques

Accueil des stagiaires dans une salle dédiée à la formation équipée d'un vidéo projecteur, tableau blanc et paperboard ainsi qu'un ordinateur par participant pour les formations informatiques.

Positionnement préalable oral ou écrit sous forme de tests d'évaluation, feuille de présence signée en demi-journée, évaluation des acquis tout au long de la formation.

En fin de stage : QCM, exercices pratiques ou mises en situation professionnelle, questionnaire de satisfaction, attestation de stage, support de cours remis à chaque participant.

Formateur expert dans son domaine d'intervention

Apports théoriques et exercices pratiques du formateur

Utilisation de cas concrets issus de l'expérience professionnelle des participants

Réflexion de groupe et travail d'échanges avec les participants

Pour les formations à distance : Classe virtuelle organisée principalement avec l'outil ZOOM. Assistance technique et pédagogique : envoi des coordonnées du formateur par mail avant le début de la formation pour accompagner le bénéficiaire dans le déroulement de son parcours à distance.