Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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VMware Horizon 8: Infrastructure Administration

CODE:	LENGTH:	PRICE:
VMW_HIA8	16 Hours (2 days)	kr20,000.00

Description

This two-day, hands-on course gives you the skills to install and configure a virtual desktop infrastructure platform. This course builds your skills in installing and configuring VMware Horizon® through a combination of lecture and hands-on labs. You learn how to install and configure VMware Horizon® Connection Server™, VMware Unified Access Gateway™, how to configure a load balancer for use with Horizon, and how to establish Cloud Pod Architecture.

Objectives

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

- • Identify Horizon Connection Server installation, architecture, and requirements.
- • Describe the authentication and certification options for a Horizon environment
- • Recognize the integration process and benefits of VMware Workspace ONE® Access™ and Horizon 8
- • Discuss performance and scalability options available in Horizon 8
- • Describe different security options for the Horizon environment

Audience

Administrators and architects for VMware Horizon should enroll in this course. These individuals are responsible for the implementation, maintenance, and administration of an organization's end-user computing infrastructure.

Prerequisites

Customers attending this course should have, at a minimum, the following VMware infrastructure skills:

- • Use VMware vSphere® Web Client to view the state of virtual machines, datastores, and networks
- • Open a virtual machine console on VMware vCenter Server® and access the guest operating system
- • Create snapshots of virtual machines
- • Configure guest customization specifications
- • Modify virtual machine properties
- • Convert a virtual machine into a template
- • Deploy a virtual machine from a template

Attendees should also have the following Microsoft Windows system administration experience:

- • Configure Active Directory services, including DNS, DHCP, and time synchronization
- • Restrict user activities by implementing Group Policy objects
- • Configure Windows systems to enable Remote Desktop Connections
- • Build an ODBC connection to an SQL Server database

Programme

1 Course Introduction

- • Introductions and course logistics
- • Course objectives

2 Horizon Connection Server

- • Recognize VMware Horizon reference architecture
- • Identify the Horizon Connection Server supported features
- • Identify the recommended system requirements for Horizon Connection Server
- • Configure Horizon event database
- • Outline the steps for the initial configuration of Horizon Connection Server
- • Discuss the ADAM database as a critical component of Horizon Connection Server installation

3 VMware Horizon Authentication and Certificates

- • Compare the authentication options that Horizon Connection Server supports
- • Describe the Smartcard authentication options that Horizon Connection Server supports
- • Outline the steps to create a Horizon administrator and custom roles
- • Describe the roles available in a Horizon environment
- • Explain the role that certificates play for Horizon Connection Server
- • Install and configure certificates for Horizon Connection Server
- • Install and configure True SSO in a Horizon environment

4 Workspace ONE Access & Virtual Application Management

- • Recognize the features and benefits of Workspace ONE Access
- • Recognize the Workspace ONE Access console features
- • Explain identity management in Workspace ONE Access
- • Explain access management in Workspace ONE Access
- • Describe the Workspace ONE Access directory integration
- • Describe the Workspace ONE Access directory integration
- • Deploy virtual applications with Workspace services

5 VMware Horizon Performance and Scalability

- • Describe the purpose of a replica connection server
- • Explain how multiple Horizon Connection Server instances in a pod maintain synchronization
- • Describe the 3D rendering options available in Horizon 8
- • List the steps to configure graphics cards for use in a Horizon environment
- • Configure a load balancer for use in a Horizon environment
- • Explain Horizon Cloud Pod Architecture LDAP replication and VIPA
- • Explain Horizon Cloud Pod Architecture scalability options

6 Managing VMware Horizon Security

- • Explain concepts relevant to secure Horizon connections
- • Describe how to restrict Horizon connections.
- • Discuss the benefits of using Unified Access Gateway
- • List the two-factor authentication options that are supported by Unified Access Gateway
- • List Unified Access Gateway firewall rules
- • Describe the situation in which you might deploy Unified Access Gateway instances with one, two, or three network interfaces

Test and Certification

VMware Horizon 8: Infrastructure Administration is the second half of a two-course requirement for the following certification:

- • VMware Certified Professional

– Desktop and Mobility 2020 (VCP-DTM 2020).
VMware Horizon 8: Skills for Virtual Desktop Management satisfies the first requirement. The courses are also available as a single, bundled offering, VMware Horizon 8: Deploy and Manage, which meets the certification requirement on its own.

Session Dates

På begäran, kontakta oss

Ytterligare information

Denna utbildning finns också som utbildning på plats. Kontakta oss för mer information.