Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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VMware Horizon: Deploy and Manage [V8.8]

CODE:	LENGTH:	PRICE:
VMW_HDM88	40 Hours (5 days)	kr45,900.00

Description

This five-day course gives you the hands-on skills to deliver virtual desktops and applications through a single virtual desktop infrastructure platform. You build on your skills in configuring and managing VMware Horizon® 8 through a combination of lecture and hands-on labs. You learn how to configure and deploy pools of virtual machines and how to provide a customized desktop environment to end-users. Additionally, you learn how to install and configure a virtual desktop infrastructure platform. 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:
• Recognize the features and benefits of VMware Horizon
• Define a use case for your virtual desktop and application infrastructure
• Use vSphere to create VMs to be used as desktops for VMware Horizon
• Create and optimize Windows VMs to create VMware Horizon desktops
• Install and Configure Horizon Agent on a VMware Horizon desktop
• Configure, manage, and entitle desktop pools of full VMs
• Configure and manage the VMware Horizon Client systems and connect the client to a VMware Horizon desktop
• Configure, manage, and entitle pools of instant-clone desktops
• Create and use Remote Desktop Services (RDS) desktops and application pools
• Monitor the VMware Horizon environment using the VMware Horizon Console Dashboard and Horizon Help Desk Tool
• Identify VMware Horizon Connection Server installation, architecture, and requirements
• Describe the authentication and certificate options for the VMware Horizon environment
• Recognize the integration process and benefits of Workspace ONE® Access™ and Horizon 8
• Compare the remote display protocols that are available in VMware Horizon
• Describe the 3D rendering options available in Horizon 8
• Discuss scalability options available in Horizon 8
• Describe different security options for the Horizon environment

Audience

• Tier 1 Operators, administrators, and architects for VMware Horizon

Prerequisites

Before attending this course, you must have the following skills:
• Use VMware vSphere® Web Client to view the state of virtual machines, datastores, and networks
• Open a virtual machine console on VMware vCenter® and access the guest operating system
• Create snapshots of virtual machines
• Configure guest customization specifications
• Modify virtual machine properties
• Convert a virtual machine to a template
• Deploy a virtual machine from a template
You must 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 Introduction to VMware Horizon
• Recognize the features and benefits of Horizon
• Describe the conceptual and logical architecture ofHorizon
3 Introduction to Use Case
• Convert customer requirements to use-case attributes
• Define a use case for your virtual desktop and application infrastructure
4 vSphere for VMware Horizon
• Explain basic virtualization concepts
• Use VMware vSphere® Client™ to access your VMware vCenter System and VMware ESXi™ hosts
• Create a Windows virtual machine using vSphere
5 Create Windows Desktops
• Outline the steps to install Horizon Agent on Windows virtual machines
• Install Horizon Agent on a Windows virtual Machine
• Optimize and prepare Windows virtual machines to set up Horizon desktop VMs
6 Create Linux Desktops
• Create a Linux VM for Horizon
• Install Horizon Agent on a Linux virtual machine
• Optimize and prepare Linux virtual machines to set up Horizon desktop VMs
7 Creating and Managing Desktop Pools
• Identify the steps to set up a template for desktop pool deployment
• List the steps to add desktops to the VMware Horizon® Connection Server™ inventory
• Compare dedicated-assignment and floatingassignment pools
• Outline the steps to create an automated pool
• Define user entitlement
• Explain the hierarchy of global, pool-level, and user-level policies
8 VMware Horizon Client Options
• Describe the different clients and their benefits
• Access the Horizon desktop using various Horizon clients and HTML
• Configure integrated printing, USB redirection, and the shared folders option
• Configure session collaboration and media optimization for Microsoft Teams
9 Creating and Managing Instant-Clone Desktop Pools
• List the advantages of instant clones
• Explain the provisioning technology used for instant clone desktop pools
• Set up an automated pool of instant clones
• Push updated images to instant clone desktop pools
10 Creating RDS Desktop and Application Pools
• Explain the difference between an RDS desktop pool and an automated pool
• Compare and contrast an RDS session host pool, a farm, and an application pool
• Create an RDS desktop pool and an application pool
• Access RDS desktops and application from Horizon Client
• Use the instant clone technology to automate the build-out of Remote Desktop Session Host farms
• Configure load-balancing for RDSHs on a farm
11 Monitoring VMware Horizon
• Monitor the status of the Horizon components usingthe Horizon Administrator console dashboard
• Monitor desktop sessions using the HelpDesk tool
• Monitor the performance of the remote desktop using the Horizon Performance Tracker
12 Horizon Connection Server
• Recognize the VMware Horizon reference architecture
• Identify the Horizon Connection Server supported features
• Identify the recommended system requirements for Horizon Connection Server
• Configure the Horizon event database
• Outline the steps for the initial configuration of Horizon Connection Server
• Discuss the AD LDS database as a critical {an important component?} component of the Horizon Connection Server installation
13 Horizon Protocols
• Compare the remote display protocols that are available in VMware Horizon
• Describe the BLAST Display Protocol Codecs
• Summarize the BLAST Codec options
• List the ideal applications for each BLAST codec
• Describe the BLAST and PCoIP ADMX GPO common configurations
14 Graphics in Horizon
• Describe the 3D rendering options available in Horizon 8
• Compare vSGA and vDGA

• List the steps to configure graphics cards for use in a Horizon environment
15 Securing Connections: Network
• Compare tunnels and direct connections for client access to desktops
• Discuss the benefits of using Unified Access Gateway
• List the Unified Access Gateway firewall rules
• Configure TLS certificates in Horizon
16 Securing Connections: Authentication
• Compare the authentication options that Horizon Connection Server supports
• Restrict access to the Horizon remote desktops using restricted entitlements
• Describe the smart card authentication methods that Horizon Connection Server supports
• Explain the purpose of permissions, roles, and privileges in VMware Horizon
• Create custom roles
17 Horizon Scalability
• Describe the purpose of a replica connection server
• Explain how multiple Horizon Connection Server instances in a pod maintain synchronization
• 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.
• Explain Horizon Cloud Pod Architecture scalability options
18 Horizon Cloud and Universal Broker
• Recognize the features and benefits of HorizonCloud Service
• Use Universal broker to connect to a Horizon Cloud instance
• Configure and pair the Horizon Cloud Connector appliance with Horizon Connection Server
19 Workspace ONE Access and Virtual Application Management
• Recognize the features and benefits of Workspace ONE Access
• Explain identity management in Workspace ONE Access
• Explain access management in Workspace ONE Access
• Describe the requirements to install and configure True SSO in a Horizon environment
• Describe the Workspace ONE Access directory integration
• Deploy virtual applications with Workspace services

Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
15 Apr 2024	Virtual Classroom (CET / UTC +1)	CEDT	English	Classroom	Yes	kr45,900.00

Tilleggsinformasjon

Denne treningen er også tilgjengelig som trening på stedet. Kontakt oss for å finne ut mer.