Enterprise Computing Solutions - Education Services

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VMware Horizon 8: Virtual Desktop Bootcamp

CODE:	LENGTH:	PRICE:
VMW_HVDB8	40 Hours (5 dage)	kr 25,665.00

Description

VMware Horizon® 8: Virtual Desktop Bootcamp is a five-day combination course of VMware Horizon 8: Skills for Virtual Desktop Management and VMware Horizon 8: Virtual Desktop Troubleshooting. This training combination gives you the skills to deliver virtual desktops and applications through a single virtual desktop infrastructure platform.
You build 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 resolve common issues that occur in a VMware Horizon environment.
You engage in a series of lab exercises to bring existing environment issues to resolution. The exercises mirror real-world troubleshooting use cases. These exercises equip learners with the knowledge and practical skills to manage typical challenges faced by virtual desktop administrators and operators.

Objectives

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

- • Recognize the features and benefits of Horizon
- • Use VMware vSphere® to create VMs to be used as desktops for Horizon
- • Create and optimize Windows VMs to create Horizon desktops
- • Install and configure Horizon Agent on Horizon desktop
- • Configure and manage the VMware Horizon® Client™ systems and connect the client to a VMware Horizon desktop
- • Configure, manage, and entitle desktop pools of full VMs
- • Configure, manage, and entitle pools of instant-clone desktops
- • Create and use Remote Desktop Services (RDS) desktops and application pools
- • Monitor the Horizon environment using Horizon Console Dashboard and Horizon Help Desk Tool
- • Implement a structured approach to troubleshooting
- • Resolve common issues that occur in a Horizon environment
- • Troubleshoot issues with linked and instant clones
- • Configure the Windows client
- • Identify the correct log level for gathering logs
- • Optimize protocols for the best end-user experience

Audience

Operators, administrators, and architects responsible for the creation, maintenance, or delivery of remote and virtual desktop services.

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
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 Introduction to VMware Horizon

- • Recognize the features and benefits of VMware Horizon
- • Describe the conceptual and logical architecture of VMware Horizon

3 Introduction to Use Case

- • Define a use case for your virtual desktop and application infrastructure
- • Convert customer requirements to use-case attributes

4 vSphere for Horizon 8

- • Explain basic virtualization concepts
- • Use VMware vSphere

® Client™ to access your vCenter Server system and VMware ESXi™ hosts
- • Create, provision, and remove a virtual machine

5 VMware Horizon Desktops

- • Create a Windows and a Linux virtual machine using vSphere
- • Optimize and prepare Windows and Linux virtual machines to set up VMware Horizon desktop VMs

6 VMware Horizon Agents

- • Outline the configuration choices when installing Horizon Agent on Windows and Linux virtual machines
- • Create a gold master for Windows Horizon desktops

7 VMware Horizon 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 floating-assignment 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 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 RDSH farms

- • Configure load-balancing for RDSHs on a farm

11 Monitoring VMware Horizon

- • Monitor the status of the VMware Horizon components using the Horizon Administrator console dashboard
- • Monitor desktop sessions using the HelpDesk tool

12 Overview of Virtual Desktop Troubleshooting

- • Structured approach to troubleshooting configuration and operational problems
- • Applying troubleshooting methods

- •
  Documenting the steps to resolve the problem

13 Command-Line Tools and Backup Options

- • Command-line tools
- • Backing-up and restoring VMware Horizon databases

14 Troubleshooting VMware Horizon Linked Clone Desktops

- • VMware Horizon linked clone desktops
- • View Agent Direct-Connection
- • Optimizing a VMware Horizon desktop

15 Troubleshooting Instant Clones

- • Logs for instant clones
- • Keyword strategies
- • Troubleshoot instant clones

16 Windows Client

- • Configure the Windows client
- • Enable the required SSL configuration

17 Ports and Protocols

- • Key ports and protocols
- • Optimize Blast
- • Black Screen
- • Applying GPO’s

Test and Certification

VMware Horizon 8: Skills for Virtual Desktop Management is the first half of a two-course requirement for the following certification:

- • VMware Certified Professional

– Desktop and Mobility 2020 (VCP-DTM 2020)
VMware Horizon 8: Virtual Desktop Troubleshooting does not satisfy a course requirement for the VCP-DTM exam.

Session Dates

På anmodning. Kontakt os venligst

Yderligere Information

Denne træning er også tilgængelig som træning på stedet. Kontakt os for at finde ud af mere.