

## VMware Horizon 8: Virtual Desktop Bootcamp

Varighed: 5 Days    Kursus Kode: VMHVDB    Version: 8.0

### Beskrivelse:

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.

Product Alignment: VMware Horizon 8 v2006

### Målgruppe:

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

### Agenda:

- 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

### Forudsætninger:

**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

### Test og certificering

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.

- Configure Windows systems to enable Remote Desktop Connections
  - Build an ODBC connection to an SQL Server database
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## Indhold:

### 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

### 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

- Structured approach to troubleshooting configuration and operational problems
  - Applying troubleshooting methods
  - Documenting the steps to resolve the problem
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### Flere Informationer:

For yderligere informationer eller booking af kursus, kontakt os på tlf.nr.: 44 88 18 00

[training@globalknowledge.dk](mailto:training@globalknowledge.dk)

[www.globalknowledge.com/da-dk/](http://www.globalknowledge.com/da-dk/)

Global Knowledge, Stamholmen 110, 2650 Hvidovre