



Enterprise Computing Solutions - Education Services

## NABÍDKA ŠKOLENÍ

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**Prosím kontaktujte nás zde**

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<b>Kód:</b>	<b>DÉLKA:</b>	<b>CENA:</b>
VMW_HDM88	40 Hours (5 DENNÍ)	Kč bez DPH 50,000.00

## 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.

## Cíle

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

## Určeno pro

Tier 1 Operators, administrators, and architects for VMware Horizon

## Vstupní znalosti

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

## Program

- 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 of Horizon
- 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 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 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 using the 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 Horizon Cloud 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

### **Termíny školení**

Termíny školení na vyžádání, [kontaktujte nás prosím](#)

### **Dodatečné informace**

Školení je možné zajistit na míru. [Kontaktujte nás pro bližší informace.](#)