

# VMware Horizon: Deploy and Manage [V8.8]

## Course: VMware Horizon: Deploy and Manage [V8.8]



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### 3a Kypca (About this Course):

- 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.
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# Цели – Какво ще научите (Course Goals/Skills):

- 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

## Course Outline

### ▪ 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
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## Курсът е предназначен за (Audience):

- • Experienced system administrators or network administrators
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## Формат на курса (Course Format):



**Присъствен Курс**



**Онлайн (Live)**

**Отдалечен**

**Присъствен Формат – Учебна Зала или Вашия Офис. Учебната зала е оборудвана с компютър за всеки участник.**

**Online Формат – Участвайте виртуално в обучението чрез телеконферендна връзка.**

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## **Език на курса (Course Language Option)**



Български  
(Bulgarian)



Английски  
(English)

Може да изберете Език на който да се проведе обучението – български или английски. Всичките ни инструктори владеят свободно английски език.

**Учебни Метериали:** в електронен формат (Учебните материали са на английски), включени в цената с неограничен достъп.

**Лабораторна среда:** всеки курсист разполага със собствена лаб среда, където се провеждат упражненията, част от курса.



Видео Архив (24/7)



Сертификат за  
Завършен Курс

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## Продължителност (Course Duration):



**• 5 работни дни (09:00 – 17:00)**

**или**

- **40 уч.ч. обучение (теория и практика) в извънработно време с продължителност 4 седмици**
  - **събота и неделя 10:00 – 14:00, 14:00 – 18:00, 18:00 – 22:00**
  - **понеделник и сряда 19:00 – 23:00**
  - **вторник и четвъртък 19:00 – 23:00**
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## Плащане (Payments):



Заявка за издаване на фактура се приема към момента на записването на съответния курс.

Фактура се издава в рамките на 7 дни от потвърждаване на плащането.

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## Предстоящи Курсове (Next Class):



Jun 8

09:00 - 17:00 EEST

[VMware vSphere: Install, Configure, Manage \[v8\]](#)

Jul 13

09:00 - 17:00 EEST

[VMware vSphere: Install, Configure, Manage \[v8\]](#)

Aug 10

09:00 - 17:00 EEST

[VMware vSphere: Install, Configure, Manage \[v8\]](#)

Sep 14

09:00 - 17:00 EEST

[VMware vSphere: Install, Configure, Manage \[v8\]](#)

Oct 12

09:00 - 17:00 EEST

[VMware vSphere: Install, Configure, Manage \[v8\]](#)

## [Manage \[v8\]](#)

[View Calendar](#)

За повече информация използвайте формата за контакт.

Ще се свържем с Вас за потвърждаване на датите.

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### **Предпоставки (Изисквания) за Участие (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
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**Курсът подготвя за следните  
сертификационни нива**