VMware Horizon: Deploy and Manage [V8.8]

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

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.

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

Курсът е предназначен за (Audience):

- • Experienced system administrators or network administrators

---

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 телеконферентна връзка.

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 Заверен Курс

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

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.

Предстоящи Курсове (Next Class):

![×]

май 6

6 май 2024 @ 09:00 - 10 май 2024 @ 17:00 EEST

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

май 15

15 май 2024 @ 09:00 - 17 май 2024 @ 17:00 EEST

[VMware vSphere: Design [V8]](#)

май 20

20 май 2024 @ 09:00 - 24 май 2024 @ 17:00 EEST

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

юни 3

3 юни 2024 @ 09:00 - 7 юни 2024 @ 17:00 EEST

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

юни 17

17 юни 2024 @ 09:00 - 21 юни 2024 @ 17:00 EEST

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

[View Calendar](#)

За повече информация използвайте формата за контакт.

Ще се свържем с Вас за потвърждаване на датите.

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

Курсът подготвя за следните сертификационни нива