



Enterprise Computing Solutions - Education Services

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Horizon Deploy and Manage

CODE: **DURÉE:** **PRIX H.T.:**

OMN_HDM88 40 Hours (5 Jours) €4,220.00

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 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 Horizon® Connection Server™ Unified Access Gateway™ how to configure a load balancer for use with Horizon, and how to establish Cloud Pod Architecture.

Objectifs

- By the end of this session, attendees should be able to:
- Recognize the features and benefits of Horizon
 - Use 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 a Horizon desktop
 - Configure, manage, and entitle desktop pools of full VMs
 - Configure and manage the Horizon Client systems and connect the client to a Horizon desktop
 - 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 the Horizon Console Dashboard and Horizon Help Desk Tool
 - Identify Horizon Connection Server installation, architecture, and requirements
 - Describe the authentication and certificate options for the Horizon environment
 - Recognize the integration process and benefits of Omnissa® Access™ and Horizon 8
 - Compare the remote display protocols that are available in 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.

Audience

- Tier 1 Operators, administrators, and architects, responsible for the creation, maintenance, and or delivery of remote and virtual desktop services
- Additional duties can include the implementation, support, and administration of an organization's end-user computing infrastructure.

Prérequis

- Before attending this course, you must have the following skills:
- Use vSphere Web Client
 - Create snapshots of virtual machines
 - Configure guest customization specifications
 - Modify virtual machine properties
 - Convert a virtual machine to a template
 - 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

Programme

- 1 Course Introduction** • Introductions and course logistics • Course objectives
- 2 Introduction to Horizon**
- Recognize the features and benefits of Horizon
 - Describe the conceptual and logical architecture of Horizon
- 3 vSphere for Horizon** • Explain basic virtualization concepts
- Use vSphere Client™ to access your vCenter Server system and ESXi hosts
 - Create, provision, and remove a virtual machine
- 4 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
- 5 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 **6 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 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 **7 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 **8 Creating and Managing Instant-Clone Desktops**
- 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
- 9 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
- 10 Monitoring 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 **11 Horizon Connection Server**
- Recognize Horizon reference architecture • Identify the Horizon Connection Server supported features
- Identify the recommended system requirements for Horizon Connection Server • Configure Horizon event database
- Outline the steps for the initial configuration of Horizon Connection Server
- Discuss the AD LDS database as a critical component of Horizon Connection Server installation **12 Horizon Protocols**
- Compare the remote display protocols that are available in Horizon • Describe BLAST • Summarize BLAST Codec options
- List ideal applications for each BLAST codec • Describe BLAST and PCoIP ADMX GPO common configurations
- 13 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 **14 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
- 15 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 Horizon • Create custom roles **16 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 and VIPA
- Explain Horizon Cloud Pod Architecture scalability options **17 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
- 18 Omnisia Access and Virtual Application Management** • Recognize the features and benefits of Workspace ONE Access
- Recognize the Workspace ONE Access console features • Explain identity management in Workspace ONE Access
- Explain access management in Workspace ONE Access • Describe the Workspace ONE Access directory integration
- Deploy virtual applications with Workspace services

Test et Certification

- Omnisia Certified Professional Desktop (OCPD)

Dates de session

Date	Lieu	Time Zone	Langue	Type	Garanti	PRIX H.T.
08 Sep 2025	Virtual Classroom	BST	English	Instructor Led Online		€4,220.00
29 Sep 2025	Virtual Classroom	BST	English	Instructor Led Online		€4,220.00
13 Oct 2025	Virtual Classroom	BST	English	Instructor Led Online		€4,220.00
27 Oct 2025	Virtual Classroom	GMT	English	Instructor Led Online		€4,220.00
08 Dec 2025	Virtual Classroom	GMT	English	Instructor Led Online		€4,220.00

Informations Complémentaires

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