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# VMware Horizon 8 Training - Deploy and Manage

5 days (35 hours)

## Presentation

VMware Horizon lets you deploy secure virtual environments in line with your performance requirements. This solution can be deployed both in the cloud and on a large scale.

VMware Horizon is a desktop and application virtualization platform managed from the cloud. The tool guarantees secure access to your company's data from any terminal, thanks to Carbon Black.

This resilient platform has the advantage of adapting to any type of cloud (private or public), such as Microsoft Azure or Amazon Web Service. Deployment is fast and flexible.

What's more, Horizon modernizes the management of your virtual environments by automating the provisioning and handling of your various virtualized systems. This ensures a strong connection between your telecommuting staff.

In this VMware Horizon training course, we'll teach you how to design virtual machines, use Horizon Agent, deploy on a large scale, and optimize and secure Horizon.

Our training course will introduce you to the latest version of the solution, [VMware Horizon 8](#).

## Objectives

- Learn about Horizon's different features
- Understanding the benefits of desktop and application virtualization
- Mastering Horizon Agent
- Using VMware vSphere to create virtual machines
- Optimizing virtual environments

- Design workstation and application pools for remote desktop services
- Enhancing performance and scalability
- Securing your Horizon environment

## Target audience

- Operators
- Architects
- Directors

## Prerequisites

- Knowledge and experience of VMware vSphere products and Microsoft Windows systems

# VMware Horizon 8 Deploy and Manage Training Program

## Introducing Horizon

- Digital workspaces
- The benefits of the digital workspace and when to use it?
- Tool functionalities
- VMware vs VirtualBox vs Citrix Virtual Apps and Desktops
- Version history
- Benefits for IT administrators
- End-user benefits

## Introduction

- Overview of components :
  - Horizon Connection Server
  - Horizon Replica Server
  - Horizon Enrollment Server
  - VMware Unified Access Gateway
  - Horizon Agent
  - Horizon Customer
- Horizon VDI architecture overview
- Virtual Shared Graphics Acceleration (vSGA)
- Virtual Dedicated Graphics Acceleration (vDGA)
- Virtual Shared Pass-Through Graphics Acceleration (vGPU)

## Creating your architecture

- Defining objectives and resources
- The concept of pods and blocks
- Best practices in terms of infrastructure
- Good safety practices
- Configuring vSphere for Block management
- Configuring vSphere for the Virtual Desktop Block

## Configuring virtual machines

- Configuring Active Directory
- Configuring vCenter accounts
- Setting up your Horizon environment and components
- Configuring your cloud-based pod architecture (CPA)
- Join a pod federation

## Deploying Windows virtual desktops

- Create a new virtual computer on vSphere
- Install guest OS
- Install VM ware tools
- Virtual machine OS settings
- Installing applications

## Horizon Agent

- Installation procedure
- System customization features
- Configuring a virtual machine with multiple network cards

## Workstation pools

- The different types of pool
- Creating workstation pools
- Application deployment on pools with hosted virtual machine applications
- Managing workstation pools
- Automate pool creation and management
- Troubleshooting

## VMware on a grand scale

- Configuring vSphere clusters
- Network configuration
- Storage settings
- Configuring Horizon View for scaling

## Performance optimization

- The benefits of optimization
- The different metrics
- Introducing Windows OS Optimization tool
- Create an image
- The optimization process

## Securing your Horizon environment

- Secure authentication
- Port and service safety
- Setting up security protocols and Cypher Suites
- Protection from USB ports
- HTTP protection measures

## Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

## Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives for the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

## Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

## Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

## Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

## Sanction

A certificate will be issued to each trainee who completes the course.

