VMW-HOR - VMware Horizon 8: Deploy and Manage [V8]

Vmware - Vmware - Virtualizzazione e Cloud

Durata:	Lingue:	Certificazione:
5 Giorni	**Italiano**	**-**

Descrizione del corso

VMware Horizon 8: Deploy and Manage is a five-day combination course of VMware Horizon 8: Skills for Virtual Desktop Management & VMware Horizon 8: Infrastructure Administration.
This training collection gives you the hands-on skills to deliver virtual desktops and applications through a single virtual desktop infrastructure platform.
• You will 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.
• You will 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.
This official course is delivered in collaboration with Esprinet S.p.A.

Programma

1. Course Introduction

• Introductions and course logistics
• Course objectives

2. Introduction to VMware Horizon

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- Recognize the features and benefits of Horizon
- Describe the conceptual and logical architecture of Horizon

3. Introduction to Use Case

- Define a use case for your virtual desktop and application infrastructure
- Convert customer requirements to use-case attributes

4. vSphere for Horizon 8

- Explain basic virtualization concepts
- Use VMware vSphere® Client™ to access your vCenter Server system and VMware ESXi™ hosts
- Create, provision, and remove a virtual machine

5. VMware Horizon Desktops

- Create a Windows and a Linux virtual machine using vSphere
- Optimize and prepare Windows and Linux virtual machines to set up Horizon desktop VMs

6. VMware Horizon Agents

- Outline the configuration choices when installing Horizon Agent on Windows and Linux virtual machines
- Create a gold master for Windows Horizon desktops

7. VMware Horizon 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 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 RDSH 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

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13. Horizon Connection Server

• Recognize 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 ADAM database as a critical component of Horizon Connection Server installation

14. VMware Horizon Authentication and Certificates

• Compare the authentication options that Horizon Connection Server supports
• Describe the Smartcard authentication options that Horizon Connection Server supports
• Outline the steps to create a Horizon administrator and custom roles
• Describe the roles available in a Horizon environment
• Explain the role that certificates play for Horizon Connection Server
• Install and configure certificates for Horizon Connection Server
• Install and configure True SSO in a Horizon environment

15. Workspace ONE Access & 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
- Describe the Workspace ONE Access directory integration
- Deploy virtual applications with Workspace services

16. VMware Horizon Performance and Scalability

- Describe the purpose of a replica connection server
- Explain how multiple Horizon Connection Server instances in a pod
maintain synchronization
- Describe the 3D rendering options available in Horizon 8
- 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. Managing VMware Horizon Security

- Explain concepts relevant to secure Horizon connections
- Describe how to restrict Horizon connections.
- Discuss the benefits of using Unified Access Gateway
- List the two-factor authentication options that are supported by Unified
Access Gateway
- List Unified Access Gateway firewall rules
- Describe the situation in which you might deploy Unified Access Gateway
instances with one, two, or three network interfaces