VMWA-38 - VMWARE HORIZON 8: DEPLOY AND MANAGE PLUS APP VOLUMES FAST TRACK

Categoria: **VMware**

INFORMAZIONI SUL CORSO

Durata:	Categoria:	Qualifica Istruttore:	Dedicato a:	Produttore:
5 Giorni	VMware	VMware Certified Instructor	Professionista IT	VMware

OBIETTIVI

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 a 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 Horizon environment
- Identify the components of Application and Profile Management in VMware Horizon
- Describe the benefits of Application and Profile Management in VMware Horizon
- Describe the features and functions of App Volumes and Dynamic Environment Manager
- Create and update Application Packages
- Create and deploy Writable Volumes
- Install and configure Dynamic Environment Manager
- Manage application configurations, user environment settings, and personalization settings
- Describe VMware Horizon Smart Policies available in Dynamic Environment Manager

Certifications
- VMware Certified Professional - Desktop Management (VCP-DTM).

PREREQUISITI

Customers attending this course should have, at a minimum, 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 Server and access the guest operating system
- Create snapshots of virtual machines
- Configure guest customization specifications
- Modify virtual machine properties
- Convert a virtual machine into a template
- Deploy a virtual machine from a template

Attendees should 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

CONTENUTI

1 Course Introduction
- Introductions and course logistics
- Course objectives
- Introduction to fictitious company: VMBeans

2 Introduction to VMware Horizon
- Recognize the features and benefits of Horizon
- Describe the conceptual and logical architecture of Horizon

3 Introduction to Use Cases
- 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 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 Agent
- Outline the configuration choices when installing Horizon Agent on Windows and Linux virtual machines
- Create a golden image for Windows and Linux 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 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

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
- Monitor the performance of the remote desktop using the Horizon Performance Tracker

12 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 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

13 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

14 Workspace ONE 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

15 Horizon Protocols

- -Compare the remote display protocols that are available in VMware Horizon
- -Describe BLAST
- -Describe the BLAST Display Protocol Codecs
- -Summarize BLAST Codec options
- -List ideal applications for each BLAST codec
- -Describe BLAST and PCoIP ADMX GPO common configurations

16 Graphics Cards

- -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

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 and VIPA
- -Explain Horizon Cloud Pod Architecture scalability options

18 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

INFO

Materiale didattico: Materiale didattico ufficiale VMware in formato digitale

Costo materiale didattico: incluso nel prezzo del corso a Calendario

Natura del corso: Operativo (previsti lab su PC)