

CPV-200-1W Implementing Citrix Provisioning Server 5.0

In this technical self-paced online course, learners will be prepared to install, configure and administer Citrix Provisioning Server 5.0 farms. Topics covered in this course include designing a farm; creating, assigning and administering vDisks; managing target devices and other farm components; and configuring high availability.

Audience

This course is intended for IT Professionals, Architects, and System Engineers.

Preparatory Recommendations

There are no preparatory recommendations for this course.

Key Skills

Upon successful completion of this course, learners will be able to perform the following:

- Identify the components, infrastructure, services and communications of Citrix Provisioning Server 5.0
- Identify system requirements and install Citrix Provisioning Server 5.0
- Configure a Provisioning Server farm
- Configure Provisioning Server role-based administration using Active Directory user groups
- Create a vDisk store
- Identify vDisk image modes and write cache types
- Create a vDisk
- Configure a Master Target Device and create a vDisk image
- Assign vDisks to target devices and enable Active Directory machine account password management
- Block ports for a target device, organize target devices into views and change the properties of target devices
- Administer vDisk connections; unassign, delete and backup vDisks; release vDisk locks; change vDisk properties and update a vDisk
- Administer server connections, change basic server properties and optimize performance by changing advanced server properties
- Configure two methods of high availability
- Install and enable printers on a vDisk and enable the Printer Management feature

Instructional Method

This technical self-paced online course practical application and hands-on skills through exercises and virtual labs.

Course Length

12 hours

Certification Preparation

This course prepares learners to take the 1Y0-A06 Implementing Citrix Provisioning Server 5.0 exam, a requirement for the Citrix Certified Administrator (CCA) for Citrix Provisioning Server 5 certification.

Topic Outline

The following list outlines the topics covered in CPV-200P-1W.

- Introducing Citrix Provisioning Server
 - Explaining the purpose of the Provisioning Server components
 - Identifying the Provisioning Server infrastructure
 - Identifying the Provisioning Server and network services required to boot target devices
 - Explaining how a target device boots over the network to a Provisioning Server vDisk
- Planning an Installation
 - Identifying the roles of DHCP and Proxy DHCP
 - Recognizing when to use a Proxy DHCP service
 - Designing a Provisioning Server farm
 - Identifying Active Directory group requirements and Console permissions for Provisioning Server role-based administration
 - Identifying Provisioning Server system requirements
- Installation and Configuration
 - Installing Provisioning Server
 - Making appropriate installation decisions
 - Configuring Provisioning Server
 - Making appropriate configuration decisions
 - Configuring role-based administration
 - Adding sites to a farm and configuring site properties
 - Adding servers to a site
 - Creating a store and configuring store properties
 - Creating device collections and configuring device collection properties
- Creating vDisks
 - Identifying vDisk image modes
 - Identifying write cache types
 - Creating a vDisk file
 - Assigning a vDisk to a target device
 - Mounting, formatting and unmounting a vDisk
- Configuring a Master Target Device
 - Adding a Master Target Device to the Console
 - Assigning a vDisk to a target device
 - Identifying system requirements for a target device
 - Building an image
- Administering Target Devices
 - Adding target devices
 - Adding target devices to a device collection using a template
 - Configuring auto-add
 - Importing a target device
 - Streaming vDisks to target devices
 - Organizing target devices into views
 - Configuring and copy target device properties
 - Configuring Port Blocker
 - Integrating Provisioning Server with Active Directory
- Administering vDisks
 - Adding an existing vDisk to the Console
 - Unassigning a vDisk
 - Deleting a vDisk
 - Releasing a vDisk lock
 - Copying vDisk properties
 - Updating a vDisk
- Administering Servers
 - Viewing server connections
 - Administering server connections
 - Rebalancing server connections
 - Configuring basic and advanced server properties
 - Copying server properties to another server
- Configuring High Availability

- Explaining the difference between distributed HA and centralized HA configurations
- Adding additional servers to the bootstrap file
- Enabling the HA option on a vDisk
- Enabling load balancing on a vDisk
- Configuring store path overrides for a distributed HA configuration
- Configuring access to a Windows shared storage location for a centralized HA configuration
- Configuring NTFS security permissions for a Windows shared storage location for a centralized HA configuration
- Testing HA failover
- Managing Printers
 - Installing printers on a vDisk
 - Enabling the Printer Management feature
 - Enabling printers on a vDisk