

## CWS-316 Citrix Provisioning 7 Administration

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### Course Summary

#### Description

Improve your Citrix Virtual Apps and Desktops image management and performance with Citrix Provisioning. Learn to install and configure a highly available Citrix Provisioning farm according to leading practices. In this course, you will learn about the architecture, communication, and processes that make up Citrix Provisioning to be successful with deploying and managing a farm. Manage and integrate vDisks and target devices with Citrix Virtual Apps and Desktops for easy rollback, upgrades, and performance of Virtual Delivery Agent machines. At the end of this course you will be able to install, configure and manage the Citrix Provisioning 7 solution.

#### Objectives

By the end of this course, students will be able to:

- Understand Provisioning Services architecture and communication
- How to install and configure a Provisioning Services farm
- How to deploy Provisioning Services target devices for use with Citrix Virtual Apps and Desktops Delivery Agents
- How to manage a Provisioning Services farm, vDisks, and target devices

#### Topics

- Advanced Provisioning
- Citrix Provisioning Infrastructure
- Streaming the vDisk
- Target Devices
- Integrating Citrix Provisioning with Citrix Virtual Apps and Desktops
- Advanced Architecture
- Supporting Citrix Provisioning

#### Audience

This course is designed for experienced IT Professionals working with Citrix Virtual Apps and Desktops who need to plan for, implement, or manage a Provisioning Services environment. Potential students include administrators, engineers, and architects.

#### Prerequisite

Strong foundational knowledge of Citrix Virtual Apps and Desktops 7. Citrix recommends students prepare for this course by taking the following course: CWS-215 - Citrix Virtual Apps and Desktops 7 Administration On-Premises and in Citrix Cloud.

#### Duration

Two Days

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### Course Outline

#### I. *Advanced Provisioning*

- A. Learning Objectives
- B. Introduction to Citrix Provisioning (PVS)
- C. Getting Started with Citrix Provisioning
- D. Citrix Provisioning Architecture

#### II. *Citrix Provisioning Infrastructure*

- A. Lab VM Power Management
- B. Learning Objectives
- C. The Citrix Provisioning Server
- D. The Farm Database
- E. The Store

#### III. *Streaming the vDisk*

- A. Lab VM Power Management
- B. Learning Objectives
- C. vDisk Introduction
- D. Master Target Device Preparation
- E. Streaming Introduction
- F. Boot Methods

#### IV. *Target Devices*

- A. Lab VM Power Management
- B. Learning Objectives
- C. Target Devices Introduction
- D. Reads and Writes
- E. Machine and User Data

#### V. *Integrating Citrix Provisioning with Citrix Virtual Apps and Desktops*

- A. Lab VM Power Management
- B. Learning Objectives
- C. The Complete Architecture Overview
- D. The Citrix Virtual Desktops Setup Wizard
- E. Manage the Target Devices through Creating Device Collections
- F. Using Provisioned Services with Citrix Virtual Apps and Desktops
- G. Managing Citrix Provisioning from Citrix Cloud

#### VI. *Advanced Architecture*

- A. Lab VM Power Management
- B. Learning Objectives
- C. Farm Component Scalability
- D. Store Redundancy
- E. Farm Database Redundancy

#### VII. *Supporting Citrix Provisioning*

- A. Lab VM Power Management
- A. Learning Objectives
- B. vDisk Updates
- C. Delegate Administration
- D. Audit and Support
- E. Alternative vDisk Update Methods