



コースコード : CX-CWS-315

税込価格 : 374,000円 (税抜価格 : 340,000円)

日数 : 5日間

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## 前提条件

Attendees should meet the following prerequisites: 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. Recommended prerequisites: CWS-215 - Citrix Virtual Apps and Desktops 7 Administration On-Premises and in Citrix Cloud

## 受講対象者

Built for experienced IT Professionals familiar with Citrix Virtual Apps and Desktops 7 in an on-premises environment or Citrix Cloud looking to expand their Citrix Virtual Apps and Desktops skills to an advanced level. Potential students include administrators or engineers responsible for the Citrix Apps and Desktop 7 Site.

## コース概要

Designed to learn how to set up scalability, redundancy and security configurations. You will learn advanced features to optimize management of your app and desktop images by building and combining App Layers and Workspace Environment Management, which can improve logon times, centralize user settings management, optimize the performance of machines running the Virtual Delivery Agent (VDA).

In the advanced troubleshooting section, you will learn techniques to investigate many of the common issues that can affect environment health. You ' ll leave this course with a good understanding of how to manage more complex solutions such as multizone environments spanning multiple locations with configurations around StoreFront, the Delivery Controllers, and HDX.

This course is currently on Citrix Virtual Apps and Desktop 7.1903

## 目的

After completing this course you should be able to:

Implement advanced administration concepts such as backups, disaster recovery, scalability and redundancy consideration for a Citrix Virtual Apps and Desktop 7 Site

Configure Workspace Environment Management to improve the end user environment and virtual resource consumption

Implement App Layering skills, for example how to create and administer OS, platform, application, elastic and user layers

Use Advanced troubleshooting techniques to troubleshoot Citrix Apps and Desktop 7

Apply Security considerations and configurations for Citrix Apps and Desktop 7 site including multi-site management using zones

## アウトライン



Implementing Redundancy and Scalability

StoreFront and Citrix Gateway

Site Infrastructure

Machines Running the Virtual Delivery Agent

Managing a Virtual Apps and Desktops Environment with Multiple Locations Zones

VDA Registration in a Multi-Zone Environment

Zone Preference

Optimal Gateway Routing and Zones

Managing StoreFront Store Subscriptions in a MultiLocation Environment

StoreFront and Citrix ADC Branding

Implementing Backups and Disaster Recovery

Backups

Disaster Recovery Considerations

Disaster Recovery Process

Implementing Advanced Authentication Methods

Multi-factor Authentication - RADIUS & OTP

Multi-factor Authentication - Smart Card Authentication

Federated Authentication - ADFS, SAML, and FAS

Improving App and Data Security

Introduction to Application Security

Preventing Jailbreak Attacks

Minimizing the Impact of Attacks

Securing Machines Running the Virtual Delivery Agent

TLS to VDA Encryption

GPOs and Citrix Policies

Image Management Troubleshooting techniques and tools

Introduction to Troubleshooting

Troubleshooting Methodology Process (Standard Slide)

Resource Tools and Utilities

Introduction to PowerShell

Troubleshooting Access Issues

Troubleshooting StoreFront

Troubleshooting Citrix Gateway

Troubleshooting Delivery Controller Issues

Validating FMA Services

Troubleshooting VDA Registration Issues

Troubleshooting VDA Registration

Troubleshooting HDX Connection Issues

Troubleshooting HDX Connections

Introduction to App Layering

App Layering Introduction

Architecture and How it Works

Creating an OS Layer

The OS Layer

Creating a Platform Layer

The Platform Layer



## Creating App Layers

The App Layers Module  
Creating Elastic App and User Layers

Elastic App Layering  
User Layers  
Deploying a Layered Image using Citrix Virtual Apps and Desktops

Using Templates in App Layering  
Using Layered Images in a Citrix Virtual Apps and Desktops Site  
Exploring Layer Priority

Layer Priority  
Maintaining an App Layering Environment

Updating Layers  
Maintaining and Updating the App Layering Environment  
Common App Layering Considerations and Additional Resources  
Introduction to Workspace Environment Management (WEM)

Workspace Environment Management (WEM) Introduction  
WEM Administration  
Using WEM to Centralize Environment Management

Managing User Resources with WEM  
Managing Profiles with WEM  
Managing Endpoints with the WEM Transformer Feature  
Using WEM for Performance Optimization

Optimizing Machine Performance with WEM  
Optimizing User Experience with WEM  
Using WEM to Secure Environments

WEM Security Features  
Migrating and Upgrading WEM

Migrating to WEM  
Upgrading a WEM Deployment  
WEM Multi-Location Considerations