



**CTREC
HILTON**
IT ACADEMY

BUILDING TRAINING SOLUTIONS
FOR THE IT WORLD

Managing Enterprise Desktops using the Microsoft Desktop Optimization Pack

Days: 5
Format: Instructor-Led
Class Code: 7197
Certification Exams: None
Certification Track: None

Recommended Course Sequence

Knowledge of prerequisites
noted below.

*Course content is subject to change
without notice.*

Course Description:

This five-day instructor-led course will enable attendees to gain an understanding of the tools available in Microsoft Desktop Optimization Pack (MDOP) to improve their Change Management process and reduce support across their or their customer's environment.

Target Student:

The primary audience is IT Professionals focusing on desktop configuration, which could include Network Administrators, SMS Administrators, Field Consultants, Technical Business Consultants, and any other technical worker that is responsible for the types of tasks that can be automated or improved through the MDOP

Prerequisites:

Before attending this course, students must have:

- Active Directory knowledge and concepts including Group Policy.
- Windows Server 2003 knowledge and experience.
- Fundamental knowledge of SQL Server 2005.
- Fundamental knowledge of Windows Terminal Services.
- Fundamental knowledge of System Management Server 2003.
- Fundamental knowledge of Microsoft Operations Manager.
- Experience managing Windows desktops in an Enterprise environment.

At Course Completion:

After completing this course, students will walk away with a deep understanding of the Application Virtualization environment and be able to install, configure, administer, and troubleshoot the components. Students will also be able to install and utilize the MDOP components and understand their position in the desktop management process.

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Course Outline

Module 1: Optimizing Windows Desktop Management in the Enterprise

This module explains key desktop manageability challenges and identifies MDOP applications that can address those challenges.

Lessons
<ul style="list-style-type: none">■ Desktop Management in the Enterprise■ Microsoft Desktop Optimization Pack Overview

Module 2: Controlling Group Policy Objects Using Advanced Group Policy Management

This module explains how to use AGPM to manage controlled group policy objects.

Lessons
<ul style="list-style-type: none">■ Overview of Advanced Group Policy Management■ Configuring Advanced Group Policy Management■ Introduction to Controlling Group Policy Objects■ Managing Group Policy Using AGPM
Lab : Controlling Group Policy Using AGPM
<ul style="list-style-type: none">■ Installing AGPM■ Managing Controlled Group Policy Objects

Module 3: Monitoring Desktops Using Microsoft Desktop Error Monitoring

This module explains how Desktop Error Monitoring can be configured to provide a centralized collection location of computer events and error messages.

Lessons
<ul style="list-style-type: none">■ Overview of Microsoft Desktop Error Monitoring■ Installing and Configuring Desktop Error Monitoring
Lab : Installing Desktop Error Monitoring
<ul style="list-style-type: none">■ Checking Prerequisites for Desktop Error Monitoring■ Installing Desktop Error Monitoring
Lab : Monitoring Desktops Using Microsoft Desktop Error Monitoring
<ul style="list-style-type: none">■ Configuring a Management Server for Client Monitoring■ Deploying Client Monitoring Using Group Policy■ Configuring Error Transmission, Data Collection and Notification■ Using the DEM Console■ Using Reporting in the DEM Console

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Module 4: Managing Software Inventory Using the Asset Inventory Service

This module explains how to use the Microsoft Asset Inventory Service to manage software inventory.

Lessons
<ul style="list-style-type: none">■ Asset Inventory Service (AIS) Overview■ Deploying AIS Clients■ Managing Computers Reporting to AIS■ Managing Software Inventory
Lab : Deploying the Asset Inventory Service (AIS) Client
<ul style="list-style-type: none">■ Deploying the AIS Using Group Policy■ Configuring Computer Group Membership■ Simulation of the Asset Inventory Service

Module 5: Repairing and Diagnosing Computer Systems Using the Diagnostics and Recovery Toolset

This module explains how to use the Diagnostics and Recover Toolset to recover computer systems.

Lessons
<ul style="list-style-type: none">■ Diagnostics and Recovery Toolset Overview■ Recovering Computer Systems with ERD Commander■ Administrative Tools Category Overview■ Networking Tools Category Overview■ Systems Tools Category Overview■ Differences Between DaRT 5 and DaRT 6
Lab : Repairing Computer Systems Using DART
<ul style="list-style-type: none">■ Creating the ERD Boot Disk■ Experimenting with the ERD Recovery Tools

Module 6: Introduction to the Microsoft Application Virtualization Management System

This module explains application virtualization concepts and how the components of Microsoft Application Virtualization Management system address the various phases of the Application Management Lifecycle.

Lessons
<ul style="list-style-type: none">■ Application Management Lifecycle■ Benefits of Application Virtualization■ Microsoft Application Virtualization Management Overview
Lab : Examining Application Virtualization Basics
<ul style="list-style-type: none">■ Examining an Application Virtualization Package■ Examining Standard Application Installation■ Examining Virtualized Applications

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Module 7: Application Virtualization Management Architecture

This module explains the general architecture of Application Virtualization Management.

Lessons
<ul style="list-style-type: none">■ Elements of Application Virtualization■ Requirements and Interaction of Application Virtualization Components■ Requirements and Interactions of the Application Virtualization Streaming Server
Lab : Using the Microsoft Application Virtualization Streaming Server
<ul style="list-style-type: none">■ Installing a Microsoft Application Virtualization Streaming Server■ Copying a Package onto the Microsoft Application Virtualization Streaming Server■ Configuring a Client to Use the Microsoft Application Virtualization

Module 8: Planning and Deploying the Application Virtualization Management System

This module explains how to plan the supporting infrastructure and determine the appropriate deployment scenario and installation for an Application Virtualization Management System.

Lessons
<ul style="list-style-type: none">■ Planning the Supporting Infrastructure■ Planning Deployment Scenarios■ Overview of the Server Installation Process
Lab : Installing the Application Virtualization Management Server
<ul style="list-style-type: none">■ Verifying Pre-Installation Requirements■ Installing the Application Virtualization Management Server■ Preparing the Content Directory for Application Streaming

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Module 9: Planning and Installing the Application Virtualization Client

This module explains how to plan for the deployment of the Application Virtualization Client and then install and perform client configuration tasks.

Lessons
<ul style="list-style-type: none">■ Planning the Application Virtualization Client Deployment■ Installing and Configuring the Application Virtualization Client■ Managing Client Configuration Features
Lab : Deploying the Application Virtualization Client in Standalone Mode
<ul style="list-style-type: none">■ Installing and Configuring the Application Virtualization Client■ Installing a Standalone Application Virtualization Package
Lab : Deploying the Application Virtualization Client
<ul style="list-style-type: none">■ Installing the Application Virtualization Client■ Testing the Client Install■ Configuring Root Node Options
Lab : Managing Client Configuration Features
<ul style="list-style-type: none">■ Modifying Desktop Configuration Server Options■ Configuring Applications Using the Desktop Client■ Configuring Offline Mode for Disconnected Operation

Module 10: Administering the Application Virtualization Management Server

This module explains how to use the Application Virtualization Management Console to publish applications into the application virtualization environment and configure active upgrades.

Lessons
<ul style="list-style-type: none">■ Overview of the Application Virtualization Management Console■ Publishing Applications into the Application Virtualization Environment■ Modifying Published Applications and Configuring Version Upgrades
Lab : Publishing Applications into the Application Virtualization Environment
<ul style="list-style-type: none">■ Configuring System Options■ Publishing an Application■ Verifying Application Virtualization Functionality
Lab : Configuring Active Upgrades for Published Applications
<ul style="list-style-type: none">■ Configuring Package Versions

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Module 11: Advanced Application Virtualization Administration Tasks

This module explains how to create new provider policies to apply specific settings such as license enforcement to specific users.

Lessons
<ul style="list-style-type: none">■ Creating and Configuring Provider Policies■ Enforcing License Compliance■ Managing Server Groups and Server Objects
Lab : Implementing License Enforcement
<ul style="list-style-type: none">■ Publishing and Application to be Licensed■ Creating a License Group■ Creating a New Policy Provider■ Testing License Enforcement

Module 12: Planning and Deploying the Application Virtualization Sequencer

This module explains how to perform various sequence scenarios using the Application Virtualization Sequencer.

Lessons
<ul style="list-style-type: none">■ Overview of the Application Virtualization Sequencer■ Planning the Sequencer Environment■ Installing and Configuring the Application Virtualization Sequencer■ Sequencing Applications for Virtualization
Lab : Installing the Application Virtualization Sequencer
<ul style="list-style-type: none">■ Configuring a Partition to be the Q drive■ Installing the Application Virtualization Sequencer
Lab : Sequencing Applications for Virtualization
<ul style="list-style-type: none">■ Sequencing an Application■ Sequencing Multiple Versions of the Same Application■ Sequencing an Application with Pre-configured Options

Module 13: Advanced Sequencing

This module explains how to perform advanced sequence scenarios.

Lessons
<ul style="list-style-type: none">■ Upgrading Existing Packages■ Advanced Package Options■ Hard-coded Applications■ Sequencing a Web-based Application■ Standalone Packages
Lab : Advanced Sequencing
<ul style="list-style-type: none">■ Performing a Package Upgrade■ Sequencing Hard-coded Applications