

Application Packaging using AdminStudio

Course Overview

The AdminStudio course will teach you to use AdminStudio to repackage traditional setups into Windows Installer packages and customize those packages to meet specific needs.

In this course, you will also gain experience in creating transforms for existing third-party MSI packages and identifying and resolving conflicts between packages before deploying your applications.

Objectives

In this class you will learn:

- How to prepare your development systems, test systems and documentation for the application-migration process
- How to use AdminStudio's Repackager to convert traditional setups to Windows Installer setups and virtual applications
- How to enhance and customize repackaged setups using the InstallShield Editor and to correct validation errors
- How to use AdminStudio's Conflict Wizard in the Test Center to identify and resolve potential conflicts between Windows Installer setups before deployment into your desktop environment
- How to use AdminStudio's Tuner to customize the installation of existing Windows Installer setups - to meet your company-specific requirements

Course Prerequisites

Previous AdminStudio experience is not required; however, you should be comfortable with the following:

- Using Windows Explorer and the command prompt to create and manage files and run executables
- Basic Windows terminology (e.g. DLL, Control Panel, etc.)

Course Delivery

The following course sections and topics will be covered in the class. If you have a specific area that you think might need extra attention, mention it to your instructor on the first day of class.

Introduction and Overview

- AdminStudio Tools
- Overview of the Application Migration Process
- Windows Installer Background
- Features and Benefits of Windows Installer
- Format of a Windows Installer Installation
- Windows Installer Concepts and Terminology

Preparing for Application Migration

- Creating the Storage Structure
- Defining Standard Images
- Project Documentation
- Installing the Repackager on Your Repackaging Image
- Global Exclusion Lists

Creating Workflow Templates and Process Assistants

Repackaging

- Repackager Best Practices
- Using the Repackager Interface
- Repackager Interface-Tools Menu
- The Repackaging Wizard
 - Using Installation Monitoring to Repackage an Application
 - Using Snapshot Mode to Repackage an Application
- Repackaging InstallScript MSI Installations
- Repackager Output
- Reviewing the Repackaged Data
- Working with Repackaging Projects

Testing the Repackaged Installation

- Running MSI Installations
- Testing Guidelines
- Commonly Performed Tests



InstallShield Editor

- Overview
- Setting Editor Options
- General Information
- Working with Application Data
- Path Variables
- Shortcuts
- Registry Data
- INI Files
- Environment Variables
- Per-Application Paths
- Conditions
- Building Releases
- Validating the MSI Package
- Creating Templates
- Building a Citrix Profile
- Building a ThinApp Application

Advanced Editor Topics

- Searching for Files
- Direct Editor
- Handling Locked-Down Environments
- COM Registration

Custom Actions

- Windows Installer Sequences
- Custom Action Scheduling Options
- The Custom Actions and Sequences View
- Common Custom Action Types
- Creating Custom Actions

Creating a Windows Installer Transform

- Introduction to Tuner
- Creating a Response Transform
- Editing the Transform Using Tuner
- Applying a Transform
- Using the InstallShield Editor to Create a Customized Transform Template (Generic MST)

Application Management

- Application Catalog
- Importing Merge Modules
- Working with Groups
- Creating and Importing OS Snapshots
- Importing Windows Installer and Virtual Packages
- Scanning Dependencies
- Validating Imported Packages

Test Center

- Application Consistency Evaluator (ACE) Rules
- Identifying Conflicts Using the Conflict Wizard
- Resolving Conflicts
- Testing for Application Compatibility Overview

Upgrading Products

- Preparing for Major Upgrades
- Defining the Upgrade Settings
- Deploying a Major Upgrade

Additional Topics That May be Covered

- Introduction to the Automated Application Converter
- Introduction to Using InstallShield Editor to Create Virtual Applications
- Introduction to the AdminStudio Application Compatibility Pack
- Application Isolation
- Quality Monitor



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