



## The Orange Brain's Guide to AdminStudio 8 5 Day Training Course Description

This course will provide you with a hands-on environment where you will gain the skills needed to repackage traditional setups into Windows Installer packages and rapidly customize them using AdminStudio. 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*

By the end of this course, you'll know how to:

- ✓ Prepare your development systems, test systems and documentation for the application-migration process.
- ✓ Use AdminStudio's **Repackager** to convert traditional setups to Windows Installer setups.
- ✓ Enhance and customize repackaged setups and to correct validation errors.
- ✓ Use AdminStudio's **ConflictSolver** to identify and resolve potential conflicts between Windows Installer setups before deployment into your desktop environment.
- ✓ Use AdminStudio's **Tuner** to customize the installation of existing Windows Installer setups - such as third-party installations - to meet your company-specific requirements.
- ✓ Use AdminStudio's Process **Workflow** tool to create workflows to track and manage any pre-deployment process.

### *Course Prerequisites*

While little or no development experience is necessary, it is helpful. You should approach the class with an eagerness to learn. You should also be comfortable using Windows Explorer, command prompts, and basic Windows application behavior. This course introduces the student to operating system concepts such as application files (executables, dynamic link libraries (dll/ocx)), binary file linking, the system registry, shortcuts, NT services, system drivers, and so on. Lastly, creating custom actions requires a background (or at least an interest) in InstallScript, VBScript, Visual Basic and/or C/C++.

### *Introduction*

You'll begin by learning about Windows applications and basic operating system behavior. From there, you'll learn the background and motivation for repackaging using the Windows Installer service and how AdminStudio fits in to the repackaging process. You'll also learn about the resources available as you work with AdminStudio.

- About the Windows Installer service
- About Windows Installer install packages
- About the Windows Installer install mechanism
- About the AdminStudio environment
- Overview of the Application Migration Process





### *Preparing for Application Migration*

The foundation of your install program is the InstallShield project. You'll learn about general install terminology and design issues and how to create a project that reflects the design of your product.

- Creating the Storage Structure
- Defining Your Standard Images
- Project Documentation
- Global Exclusion Lists

### *Repackaging*

The cornerstone of AdminStudio is successful repackaging.

- Building Releases
- Repackager Best Practices
- Using the Repackager IDE
- Repackager IDE Tools Menu
- Using Installation Monitoring to Repackage an Application
- Repackager Output
- Reviewing the Repackaged Data
- Running Repackager In Snapshot Mode
- Repackaging InstallScript MSI Installations

### *Testing the Repacked Install*

Once an MSI package in has been created, testing validates the process.

- Running MSI Installations
- Testing Guidelines
- QualityMonitor
- Predeployment Test

### *InstallShield Editor*

For changes to the MSI package, the Editor makes the process easy.

- Setting Editor Options
- Working with Application Data
- Application Configuration
- Conditions
- Building Releases
- Validating the MSI Package
- Creating Templates

### *Advanced Editor Topics*

Sometimes simple changes are not enough, using the Editor advanced techniques can be applied.

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





### *Custom Actions*

Through custom actions almost any extension can be created within the MSI package.

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

### *Creating Transforms for an MSI Package*

Vendor MSI packages don't need to be repackaged, instead transforms allow those packages to be altered.

- Introduction to the Tuner
- Creating a Response Transform
- Editing the Transform Using Tuner
- Applying a Transform

### *Application Catalog*

The Application Catalog serves as the final stage in the repackaging process.

- Importing Merge Modules
- Importing MSI Packages
- Working with Groups
- Creating and Importing OS Snapshots

### *Conflict Solving*

The Conflict Solver detects problems before they occur during rollout.

- Identifying Conflicts and Importing MSI Databases
- Defining Custom Ace Rules
- Sharing Application Catalog Data
- Managing System Patches

### *Support Tools and Utilities*

There are a variety of AdminStudio tools that solve a number of problems that may arise.

- Application Isolation Techniques
- Using the Application Isolation Wizard
- Using the Distribution Wizard

### *Upgrades*

Once a package has been successfully deployed, patching and upgrading make the process of updating an application easy.

- Creating and Applying Patches
- Creating Minor Upgrades
- Creating Major Upgrades

