

## MicroStrategy Visualization SDK Essentials

### Overview:

This two-day course focuses on creating custom visualizations for MicroStrategy Web™ and MicroStrategy Report Services™ documents. The goal of this course is to introduce students to the MicroStrategy Visualization SDK. The course provides you with the tools necessary to develop and integrate custom visualizations into MicroStrategy Web and Report Services documents using Adobe® Flex®. It also teaches you how to create desktop applications using Adobe AIR®. First, you will become familiar with the MicroStrategy Flex Visualization Builder Plug-in for Adobe Flex Builder®. Next, you will learn how to create custom Adobe Flash® visualizations and widgets for reports and documents using MXML® and ActionScript®. You will also learn about conditional renderers and the properties editor. Next, you will learn how to use MicroStrategy map controls. You will also gain a basic understanding of the task infrastructure and how you can use it in custom visualizations. Finally, you will learn how to build standalone desktop applications using Adobe AIR. All of the concepts covered in this course are reinforced with hands-on exercises.

### Number of Days:

- 2 days

### Who Should Attend:

- Web Application Developers
- Consultants
- ASP, SI, and OEM partners with an application development focus

### Prerequisites:

- MicroStrategy Report Services: Dynamic Dashboards
- Adobe Flex experience (ActionScript and MXML)

### Topics:

- Introduction to Visualization SDK
  - Visualization SDK Usage Scenarios
- Visualization Framework Architecture and Setup
  - Components of Visualization SDK
  - Setting Up the Development Environment
- Building Widgets and Visualizations Using MicroStrategy Flex Visualization Builder Plug-in
  - Creating a MicroStrategy MXML Application
  - Understanding the Disconnected Development Environment
  - Understanding the Model-View-Controller Architecture
  - Deploying Widgets and Visualizations to MicroStrategy Products
- Building Widgets and Visualizations in ActionScript
  - Review of the Model-View-Controller Architecture
  - Working with the Controller
  - Working with the Model
  - Working with the View
- Advanced Topics
  - Changing Display Using Conditional Renderers
  - Changing Properties Using the Properties Editor
- Building Map Visualizations
  - Understanding Image Maps
  - Working with MicroStrategy Map Controls
- Understanding Task Infrastructure
  - Understanding Data as a Service
  - Understanding Task Infrastructure
  - Task Usage Scenarios
- Building AIR Applications
  - Creating AIR Applications
  - Deploying AIR Applications