

## MicroStrategy Web SDK: Customization Essentials

### Overview:

This two-day course is designed for beginners with no prior MicroStrategy Web customization experience who want to learn how to perform basic customizations of their MicroStrategy Web application using the MicroStrategy Web Software Development Kit (SDK). The class combines lecture and hands-on exercises, conducted in the Windows environment using MicroStrategy Web (.NET version). Exercises involve basic customizations using configuration files, including logo placement, page layout design, and Web beans placement in a page. The exercises also include the creation of custom styles to modify report display on a MicroStrategy Web page. Students will be exposed to the MicroStrategy Web architecture, the Web Customization Editor, Web beans, essential configuration files, and the MicroStrategy Developer Library.

### MicroStrategy Products Covered:

- MicroStrategy Web SDK
- MicroStrategy Web

### Number of Days:

- 2 days

### Who Should Attend:

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

### Prerequisites:

- MicroStrategy Desktop: Reporting Essentials
- Basic knowledge of HTML
- Familiarity with the basics of XML, JSP and ASP.NET is helpful but not required

### Topics:

#### Day One

- Introduction to MicroStrategy Web and SDK
  - MicroStrategy Web and MicroStrategy SDK Overview
  - MSDL
- MicroStrategy Web Architecture
  - Layered Architecture
  - Page Execution Flow
  - Plug-in Architecture
  - Comparison of Customization Methods
- Web Customization Editor
  - Overview
  - Advantages
  - Installation
  - Preferences, views, and wizards in Web Customization Editor
- Page Definition and Layout Customization
  - Page overview
  - Page configuration file
  - Page template, page section, and shortcuts

#### Day Two

- Data Rendering
  - Web beans
  - Beans properties
- Task Infrastructure
  - Service-oriented architecture
  - Task infrastructure and tasks
  - Task Processor Administrator
  - Task request workflow
  - Discovering and testing tasks
- Data Presentation, Styles, and Layout Definition
  - Transforms, styles, and layout definition
  - Style catalog configuration file
- Cascading Style Sheets
  - CSS Overview
  - CSS Analyzer
- Customizing CSS
  - CSS Rules
  - Inheritance