MicroStrategy Education™

MicroStrategy Web SDK Developer Track

MicroStrategy Visualization SDK Essentials (1 day)	→ MicroStrategy Web SDK: API Essentials (1 day)	→ MicroStrategy Web SDK: Customizing User Interactions (2 days)	→ MicroStrategy Web SDK: Customizing Security (1 day)

Overview:
This 5-day track builds on the MicroStrategy Web Interface Designer track and is designed to provide students with a greater understanding of how to customize their MicroStrategy Web/Web Universal application, using the MicroStrategy Software Development Kit (SDK). The goal of this track is to familiarize students with the core objects that make up the MicroStrategy Web API's through hands-on exercises. During the first day, users will learn how to create custom visualizations using the Visualization SDK. Students will be introduced to a set of tools and APIs that will enable them to build custom Adobe Flash widgets and other visualizations for MicroStrategy Web and MicroStrategy Report Services documents. During the second day, students will be introduced to the Web Beans API and Web Objects API, both of which are responsible for data collection and object manipulation. Students will also learn how to customize transforms and write or extend their own transforms for rendering MicroStrategy data components. During the next two days, students will integrate custom Java code with the Addons and Events API's to change the MicroStrategy Web application workflow. On the last day, students will first learn about the default authentication query flow of MicroStrategy Web and then learn how they can enhance the MicroStrategy Web login experience using the External Security Module (ESM) plug-in component.

Cost:
- US$3,250 per person, or 5 LUs

MicroStrategy Products Covered:
- MicroStrategy Web SDK
- MicroStrategy Visualization SDK
- MicroStrategy Web/Web Universal

Number of Days:
- 5 days

Who Should Attend:
- Web Interface Designers
- Project Managers
- Web Application Developers
- ASP, SI and OEM partners with an application development focus

Prerequisites:
- MicroStrategy Desktop: Reporting Essentials
- MicroStrategy Web SDK: Customization Essentials
- Advanced Java and JSP Experience

Topics:

Day One:
- Introduction to the MicroStrategy Visualization SDK
- Building custom widgets for Report Services
- Building custom visualizations for reports and Report Services in MicroStrategy Web

Day Two:
- MicroStrategy Web SDK and architecture
- Working with the Web Objects API
- Working with the Web Beans API
- Working with the Web Transforms layer

Day Three
- Fundamentals of Web Customization
- Customizing Addons
- Customizing Web Features

Day Four
- Customizing Events
- Customization Project

Day Five
- Introduction to External Security Module
- External Security Integration
- Single Sign-On Scenarios