

## MicroStrategy Web SDK: Customizing Security

### Overview:

This course is geared towards individuals tasked with customizing their MicroStrategy Web™ or MicroStrategy Web Universal™ application, using the MicroStrategy 8 Software Development Kit™ (SDK). Students will first learn about the default authentication query flow of MicroStrategy Web. They will then learn how they can enhance the MicroStrategy Web login experience in multiple ways, using a plug-in component called the External Security Module (ESM). Students will use the *ExternalSecurity* interface and its related classes to create a custom ESM. They will also learn how to use the ESM to implement single sign-on capabilities to provide their users with a seamless login experience to MicroStrategy Web applications.

### Cost:

- £495 per person, or 1 LU

### MicroStrategy Products Covered:

- MicroStrategy 8 SDK

### Number of Days:

- 1 day

### Who Should Attend:

- Web Application Developers
- Consultants
- 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:

- Introduction to External Security Module
  - MicroStrategy Web Authentication Query Flow
  - Authentication Query Flow with the External Security Module
- External Security Integration
  - Class Structure of the External Security Module
  - *ExternalSecurity* Interface
- Single Sign-on
  - Single Sign-on Concepts
  - Single Sign-on Workflow and Scenarios
  - Implementing Single Sign-on in the Out-of-the-box and Custom MicroStrategy Portlets