

10.513 Advanced SDK for Integration and Single Sign-on

Course description

Explore single sign-on (SSO) and its challenges in the enterprise. Allow users to submit credentials to authenticate and access MicroStrategy Web without entering additional credentials. Learn different approaches to implementing these methods in your organization. Covers External Security Modules, external debugging tools, and third-party portals to integrate MicroStrategy Web using the SSO methodologies learned. Includes hands-on exercises throughout the class.

Skills you gain

- Authentication and single sign-on workflow
- Web session management
- Usher External Security interface
- External Security Module (ESM)
- Intermediate Java skills
- Token validation and trusted authentication
- Implement user mapping with a database
- SQL Server database
- SQL Management Studio
- HTML, JavaScript, and external libraries
- Debugging methods with browser add-ons
- Implement a basic Liferay application portal

MicroStrategy products covered

MicroStrategy SDK

MicroStrategy Web

Right for you if

You are an advanced SDK developer who wants to integrate MicroStrategy with other systems in your infrastructure

Best class experience if you have

10.111 Overview of Enterprise Analytics

Java and HTML experience

Topics

1. Single sign-on: Concepts and workflow
 - Overview of Web SDK and SSO
 - Supported authentication providers
 - Authentication modes and workflows
 - Session creation and management
 - MicroStrategy user credentials
 - MicroStrategy SSO workflow
 - SSO implementation considerations
2. Customizing authentication
 - External Security Module (ESM)
 - Creating a custom ESM
 - Mapping a custom ESM to be used with MicroStrategy Web
 - Using a custom ESM for customizing authentication workflow
3. Validating users
 - How SSO uses authentication and validation
 - Customizing trusted authentication
4. Debugging your application or plug-ins
 - Analyzing your web applications
 - Web traffic analyzers
 - Introducing Tamper Data
5. SSO Implementation using a third-party portal
 - Using external portals
 - Customizing SSO with an out-of-the-box MicroStrategy portlet