

## 10.231 SDK for Customizing Enterprise Security

### Course description

Inject security into every enterprise system, application, business process, and transaction. Use hands-on exercises to gain an understanding of the Usher APIs and SDKs and extend the core enterprise security network to every corner of the enterprise.

### Skills you gain

- Security certificate generation and management
- Usher network creation and management
- Usher API calls
- Introduction to Xcode
- Introduction to SAML
- Introduction to authorization and authentication workflows

### MicroStrategy products covered

- MicroStrategy SDK
- MicroStrategy Usher

### Right for you if

You are a software developer or technically-inclined business analyst with a desire to customize your Usher system

### Best class experience if you have

10.131 Overview of Enterprise Security

Mac computer

Apple ID account (iTunes account)

3 email accounts accessible from your iPhone

Digital .png photo (400 x 400 pixels) of you for your badge

Registered at [developer.usher.com](http://developer.usher.com)

### Topics

1. Development tools
2. Creating an Usher security network and badge
  - Create an Usher network
  - Email Usher badges
  - SSL certificates and configuration
  - Register your custom application in Usher Network Manager
  - Configure signed security certificates on your server
  - Create a new Tomcat server with Eclipse
  - Enable client certificate support
  - Configure Tomcat context for an application
  - Configure a sample server
  - Implement sample server GetActivationCodeServlet
  - Log in with a QR code
3. QR code authentication work flow
  - SAML
  - Configure sampleSAMLizeWebApp
  - QR code authentication based on SAML
  - Enhanced badge
  - REST API web badge services