**MicroStrategy Transaction Services for Mobile App and Dashboard Developers**

**Overview:**
This two-day course provides students with an overview of the features and functionality available in MicroStrategy Transaction Services. Students will first learn about the common usage scenarios for MicroStrategy Transaction Services in MicroStrategy Mobile apps and in MicroStrategy Web. Next, students will learn how to create Freeform SQL reports and Transaction Services reports using the Freeform SQL Editor. Students will then learn how to create transaction-enabled dashboards and apps for MicroStrategy Web and MicroStrategy Mobile. Students will also explore mobile-specific transactional features and other advanced topics. Finally, students will be introduced to creating Freeform XQuery reports that interact with data provided by Web services. The course assumes that you are already familiar with MicroStrategy Report Services and MicroStrategy Mobile functionality and related terminology. Throughout the course, you will gain hands-on practice through a series of exercises and a workshop.

**Optional:** Students can bring an iPad or Android tablet to class, if they want to view their exercises on a mobile device. An iPhone or Android phone can be used for some exercises. The device should meet these specifications:
- Device running MicroStrategy certified version of iPhone OS or Android OS.
- Students should have MicroStrategy Mobile apps installed on their devices
- Students should have their own iTunes account before attending class (for downloading the MicroStrategy apps from the Apple App Store)

**Topics:**
- Introduction to MicroStrategy Transaction Services
- Using Transaction Services in MicroStrategy Mobile Apps and in MicroStrategy Web
- Architecture Overview
  - Transaction Services and MicroStrategy Product Suite
  - Common and Advanced Workflows
- Introduction to Freeform SQL Reports
- Creating Freeform SQL Reports
- Creating Transaction Services Reports and Documents
  - Creating Transaction Services Reports
  - Designing Transactional Dashboards
- MicroStrategy Mobile-Specific Features
  - Widgets
  - Offline Mode
- Advanced Topics
  - Tracing Transactional SQL
  - Using Stored Procedures
  - Using Input-Dependent Text
  - Creating What-if Analyses
- Introduction to Working with Web Services
  - Creating Freeform XQuery Reports
- Workshop

**MicroStrategy Products Covered:**
- MicroStrategy Transaction Services
- MicroStrategy Developer
- MicroStrategy Report Services
- MicroStrategy Mobile

**Number of Days:**
- 2 days

**Who Should Attend:**
- MicroStrategy Mobile app developers
- Anyone who has an interest in designing and creating dashboards and apps that utilize MicroStrategy Transaction Services

**Prerequisites:**
- MicroStrategy Report Services: Documents and Dashboards
- MicroStrategy Mobile for App Developers