

Introduction to SymmetricDS

Length: 2 days

Description:

This hands-on course is a two-day introduction to SymmetricDS covering both the basic and more advanced concepts key to understanding and using SymmetricDS for data synchronization. The course explains and explores fundamental concepts, configuration, segmenting and routing of data, and analysis of the synchronizations, as well as more advanced topics. The course consists of numerous hands-on labs, where attendees install and gradually build a working, two-tier, multi-node synchronization.

Prerequisites:

- Basic understanding of SQL and database concepts
- Basic programming knowledge is helpful for the advanced concepts portion of the course.

Course requirements:

- Attendees will need to bring a laptop and charger for use when doing labs.
- Laptop should have Java 7 or a more recent version installed.

Course Outline:

1. Overview
 - 1.1. History
 - 1.2. Features
 - 1.3. Platforms Supported
 - 1.4. Community
2. Basic Configuration and Concepts
 - 2.1. Deployment Options
 - 2.2. Synchronization process
 - 2.3. Nodes, Node Groups, Links
 - 2.4. Channels, Triggers, Routers
 - 2.5. Initial Load
3. Exploring Synchronization
 - 3.1. Analysis of synchronization data
 - 3.2. Solving synchronization issues
4. Concepts in Detail
 - 4.1. Channels
 - 4.2. Triggers
 - 4.3. Intelligent Routing
5. Administration
6. Advanced Configuration
 - 6.1. File Synchronization
 - 6.2. Data Transformation
 - 6.3. Conflict Detection and Resolution
 - 6.4. Extension Point API