Connecting ThingWorx to External Data Sources

Overview

Course Code: WBT-4698-B  
Course Length: 7 Hours  

This course is applicable to ThingWorx 8.0. This course is the second in a series of eight courses that will teach you how to use ThingWorx 8.0 to build and run the applications of a connected world. In this course, you will make your things part of the connected world. You will learn how to use predefined and imported extensions to perform various services, such as accessing a SQL-based database or querying a remote XML stream. You will then learn how to connect your things to an Edge MicroServer and how to bind properties to remote and local things.

Course Objectives

- Create services
- Use imported extensions to perform SQL statements
- Bind properties to local and remote things
- Retrieve properties from an Edge MicroServer
- Create and use ThingWorx services
- Gather data from remote sources

Prerequisites

- Getting Started with ThingWorx 8.0
- Knowledge of scripting technologies (preferably JavaScript) is essential
- Basic knowledge of object-oriented programming concepts such as inheritance, services, properties, and events is essential
- Basic knowledge of installing and configuring Apache Tomcat Web server is recommended
- Basic understanding of model-based development is recommended

Audience

- This course is intended for business development professionals, subject matter experts, and model/content and UI/UX developers. People in related roles will also benefit from taking this course.
Table of Contents

<table>
<thead>
<tr>
<th>Module</th>
<th>1</th>
<th>Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>Module</td>
<td>2</td>
<td>Consuming External Information Sources</td>
</tr>
<tr>
<td>Module</td>
<td>3</td>
<td>Data Shapes</td>
</tr>
<tr>
<td>Module</td>
<td>4</td>
<td>Infotable Overview</td>
</tr>
<tr>
<td>Module</td>
<td>5</td>
<td>Creating SQL Queries and SQL Commands</td>
</tr>
<tr>
<td>Module</td>
<td>6</td>
<td>Property Bindings and Property Values</td>
</tr>
</tbody>
</table>