

IoT Modeling with ThingWorx

Overview

Course Code WBT-4884-B

Course Length 8 Hours

This course dives deep into the Model stage of the ThingWorx Development Process and is organized around a framework designed to take a user-based approach to IoT solution design. Students identify who their users are, where the data is coming from in their system, and follow a decision tree to design an IoT Model in ThingWorx. Then students design a data strategy to guide the creation of properties, services, events and subscriptions. The course is organized around a project set in the context of smart connected operations for a manufacturing system on the planet of Mars. It is recommended that you complete the Fundamentals of IoT Development with ThingWorx before taking this course.

Course Objectives

- Develop a scalable, secure, role-based ThingWorx model using the ThingWorx Modeling Framework.
- Implement access control and security features in ThingWorx.
- Identify what edge data acquisition method to use for a ThingWorx application.
- Build a ThingWorx model hierarchy.
- Author functionality to make the model work.

Prerequisites

- WBT-4884-A: Fundamentals of IoT Development with ThingWorx

Audience

- This course is intended for IoT solutions architects, software developers, business development professionals, and model/content and UI/UX developers. People in related roles, such as IT administrators and data scientists, will also benefit from taking this course.
-

Table of Contents

Module 1	Get Started
Module 2	Project Introduction
Module 3	Power System: Users and Organizations
Module 4	Power System: Edge Deployment Strategy
Module 5	Power System: Model Composition
Module 6	Power System: Data Strategy
Module 7	Wrap-up
