Building Custom Integrations for ThingWorx Navigate

Overview

Course Code: WBT-4683-0
Course Length: 16 Hours

In this course, you gain an understanding of ThingWorx Navigate and how to develop & extend modular role-based Apps and integrations.

You begin with getting an overview of what ThingWorx Navigate & role-based apps are, how to tailor existing apps. Then understand what Integration Hub is, its benefits & architecture & how to use it in context of ThingWorx Navigate. Get a deep insight of various concepts of Integration Hub like Resource Modeling, Capabilities, Connectors, Resource Providers, Microservcies etc. Then work through the process of configuring existing Resource Providers & Connectors and then develop your own custom Resource Providers & Connectors & finally understand how custom app tasks can be created in PTC Navigate to unleash the value of IoT.

Course Objectives

- Provide an overview of Thingworx Navigate
- Model Thingworx Navigate Resources and Capabilities
- Understand the Integration Tier and The Resource Provider
- Understand how to model custom connector
- Understand the Service Tier: Micro services
- Understand the Representation Tier and how to extend existing Apps
- Create custom app tasks to manage ThingWorx Navigate resources
Prerequisites

- Introduction to Windchill PDMLink 11.0
- Introduction to ThingWorx 6.5
- Business Administration of PTC Navigate 1.0

Audience

- This workshop is intended for integration developers and implementation consultants who want to leverage the PTC Navigate framework and role-based applications to integrate Windchill data with other enterprise applications. People in related roles will also benefit from taking this course.
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