

# Building Custom Integrations for ThingWorx Navigate

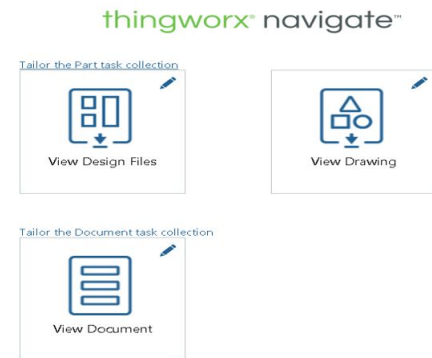
## Overview

Course Code WBT-4683-0

Course Length 16 Hours

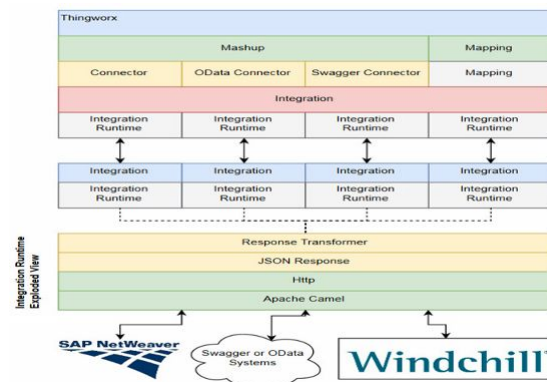
In this course, you gain an understanding of ThingWorx Navigate and how to develop & extend modular role-based Apps and integrations.

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, Microservices 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

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

## Audience

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- 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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## Table of Contents

Module	1	Introduction to ThingWorx Navigate
Module	2	Modeling ThingWorx Navigate Resources
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Module	4	Modeling ThingWorx Navigate Capabilities
Module	5	Integration Tier – The Connector
Module	6	Service Tier – Usage Patterns
Module	7	Presentation Tier – App Expansion

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