

## COURSE DESCRIPTION

The OMI Client for AVEVA™ System Platform course is a 4-day, instructor-led class designed to provide an overview of the features and functionalities released with the Operations Management Interface (OMI) software. It covers the components and capabilities of the software and topics to help you build and deploy an OMI visualization application for System Platform. It also introduces tools for creating graphics, visualizing alarms and events, visualizing trends and history, and implementing security in an OMI application. Hands-on labs are provided to reinforce the knowledge necessary to use the AVEVA Operations Management Interface software.

## OBJECTIVES

Upon completion of this course, you will be able to:

- Describe OMI visualization components
- Create display layouts for visualization applications
- Create and run visualization applications
- Describe situational awareness concepts
- Create and use graphics
- Create and use namespaces and attributes
- Implement navigation for visualization applications
- Implement visualization application security
- Implement alarm visualization
- Implement trend visualization
- Implement historical playback visualization

## AUDIENCE

Individuals who need to configure and modify Operations Management Interface (OMI) applications.

## PREREQUISITES

- Industrial automation software concepts
- From the AVEVA™ Application Server software product:
  - System Platform IDE
  - Automation objects
  - Alarms of attributes
  - Historization of attributes
  - Security
  - Deployment and Plant models
  - QuickScript .NET scripting language

## **COURSE OUTLINE**

### **OMI CLIENT FOR SYSTEM PLATFORM**

#### **MODULE 1 - INTRODUCTION**

- Section 1 - Course Introduction
- Section 2 - System Platform Overview
- *Lab 1 - Creating and Deploying a Galaxy*
- Section 3 - Visualization Overview
- Section 4 - Encrypted Communication
- Section 5 - System Requirements and Licensing

#### **MODULE 2 - GETTING STARTED**

- Section 1 - Introduction
- Section 2 - Screen Profiles
- Section 3 - Layouts and Panes
- *Lab 2 - Creating a Screen Profile and Layout*
- Section 4 - ViewApps
- *Lab 3 - Creating and Running a ViewApp*

#### **MODULE 3 - INDUSTRIAL GRAPHICS**

- Section 1 - Introduction to Industrial Graphics
- Section 2 - Graphics Editor
- *Lab 4 - Using Situational Awareness Dashboard Symbols*
- Section 3 - Industrial Graphics with Objects
- *Lab 5 - Creating Symbols for Automation Objects*
- Section 4 - Tools and Animations
- *Lab 6 - Creating Symbols for Containment Objects*
- Section 5 - Custom Properties
- *Lab 7 - Creating a Custom Symbol*
- Section 6 - Galaxy Styles

#### **MODULE 4 - EXTERNAL CONTENT**

- Section 1 - Introduction to External Content
- *Lab 8 - Creating External Content for the ViewApp*

## **MODULE 5 - APPLICATION CUSTOMIZATIONS**

- Section 1 – Layout and Pane Customizations
- *Lab 9 – Enhancing the ViewApp Layout*
- Section 2 – Custom Navigation
- *Lab 10 – Rebuilding the Navigation Model*
- Section 3 – ContentPresenterApp
- *Lab 11 – Using the ContentPresenterApp*

## **MODULE 6 - VIEWAPP NAMESPACES**

- Section 1 – Introduction
- Section 2 – Custom ViewApp Namespaces and Attributes
- *Lab 12 – Creating and Using ViewApp Namespaces and Attributes*