Manuals+ — User Manuals Simplified.

LOGIC 2023 Operations Management Interface User Guide

Contents

LOGIC 2023 Operations Management Interface

Product Information

The AVEVATM Operations Management Interface 2023 is a software application designed for individuals who need to configure or modify AVEVA Operations Management Interface applications. It provides tools and features to manage automation objects, alarms, attributes, historicization, security, deployment models, plant models, QuickScript, and .NET scripting language.

Product Usage Instructions

To use the AVEVATM Operations Management Interface 2023, follow the steps:

1. **Ensure that you have the necessary prerequisites:**
   - Knowledge of System Platform IDE
   - Familiarity with automation objects
   - Understanding of alarms and attributes
   - Knowledge of the historicization of attributes
   - Understanding of security features
   - Familiarity with deployment models
   - Understanding of plant models
   - Knowledge of QuickScript
   - Familiarity with .NET scripting language
2. Visit the website **www.logic-control.com** for additional resources and support.
3. For technical assistance, call the toll-free number (800)676-8805 or the tech hotline (913) 254-5000.
4. Review the course description and objectives to understand what you will learn upon completion of the course.
5. Follow the course outline provided on the website to guide your learning process.

Please note that additional information and support can be found on the website and by contacting the provided phone numbers.

Course Description

The AVEVA™ Operations Management Interface 2023 course is a 4-day, instructor-led class designed to provide an overview of the features and functionalities released with the AVEVA Operations Management Interface software. It covers the components and capabilities of the software, as well as topics to help you build and deploy an AVEVA Operations Management Interface visualization application for the System Platform. It also introduces tools for creating graphics, visualizing alarms and events, visualizing trends and history, and implementing security in an AVEVA Operations Management Interface application. Hands-on labs are provided to reinforce the knowledge necessary to use the software.

Objectives

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

- Describe AVEVA Operations Management Interface 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 or modify AVEVA Operations Management Interface applications

Prerequisites
Knowledge of the following tools, features, and technologies is required:

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

Course Outline

- **Module 1 – Introduction**
- **Section 1 – Course Introduction**
- This section describes the objectives, prerequisites, intended audience, and agenda for the course.
- **Section 2 – System Platform Overview**
- This section describes fundamental concepts about the AVEVA System Platform, including its clients, components, and services. It also introduces ArchestrA technology.
- **Section 3 – Visualization Overview**
- This section introduces visualization concepts and describes AVEVA Operations Management Interface as one of the visualization clients of the AVEVA Application Server.
- **Section 4 – Encrypted Communication**
- This section describes the encrypted communication for end-to-end communication between server and client software applications.
- **Section 5 – System Requirements and Licensing**
- This section describes system requirements for System Platform software and introduces the licensing model.
- **Module 2 – Getting Started**
- **Section 1 – Introduction**
- This section introduces features and components of the AVEVA Operations Management Interface, including screen profiles, layouts, and panes, and describes how they work as part of the framework for a ViewApp.
- **Section 2 – Screen Profiles**
- This section describes how to create and configure screen profiles and screens using the Screen Profile Editor.
- **Section 3 – Layouts and Panes**

- This section describes how to create and configure layouts and panes using the Layout Editor.
- **Section 4 – ViewApps**
- This section introduces the ViewApp object, including its editor, capabilities, and components.
- **Module 3 – Industrial Graphics**
- **Section 1 – Introduction to Industrial Graphics**
- This section introduces industrial graphics, including managing them in the System Platform IDE and the out-of-the-box symbol libraries provided with the Application Server. It also provides an overview of Situational Awareness concepts.
- **Section 2 – Graphic Editor**
- This section describes the Graphic Editor, including an overview of its interface and configuration of embedded symbols.
- **Section 3 – Industrial Graphics with Objects**
- This section describes using and managing symbols with automation objects.
- **Section 4 – Tools and Animations**
- This section describes element tools and menus available in the Graphic Editor, symbol and graphic element properties, and visualization and interaction animations.
- **Section 5 – Custom Properties**
- This section provides an overview of custom properties for symbols.
- **Section 6 – Galaxy Style Libraries**
- This section explains how to work with Galaxy Style Libraries.
- Module 4 – ViewApp Application Customizations
- **Section 1 – Link a Layout as Content in an Object**
- This section describes how to link a layout to an asset or template as content. It explains how autofill works within the scope of the object and the ViewApp.
- **Section 2 – Layout and Pane Customizations**
- This section describes options for customizing the appearance, navigation, and runtime behaviors for layouts and panes.
- **Section 3 – Custom Navigation**
- This section describes how to customize the built-in navigation in a ViewApp.
- **Module 5 – External Content**
- Section 1 – Introduction to External Content
- This section introduces using external content in ViewApps, including how to create, configure, and manage external content items.
- **Module 6 – Widgets**
- **Section 1 – Introduction**
- This section introduces using widgets in your ViewApps. It describes the widgets provided out of the box with the Application Server, as well as how to import other widgets into a Galaxy.
- **Module 7 – ViewApp Namespaces**
- **Section 1 – Introduction**
- This section introduces ViewApp namespaces, describes predefined namespaces and attributes available for a ViewApp, and describes using MyViewApp as a reserved keyword to reference namespaces and attributes.
- **Section 2 – Custom ViewApp Namespaces and Attributes**
- This section describes how to manage and configure ViewApp namespace attributes using the ViewApp

Namespace Editor.

- **Module 8 – Security**
- **Section 1 – Security Overview**
- This section provides an overview of security in the Application Server, including authentication modes, permissions, roles, and users.
- **Section 2 – ViewApp Security**
- This section describes how to implement security in a ViewApp.
- **Section 3 – Signed Writes**
- This section describes security classifications for object attributes, including configuring Secured Writes and Verified Writes and using them at runtime.
- **Module 9 – Alarms and Events Visualization**
- **Section 1 – Alarming Overview**
- This section provides an overview of alarms and events.
- **Section 2 – Live Alarm Visualization**
- This section describes how to use the AlarmApp to display and manage alarms and events in a ViewApp. It also describes how to customize the appearance and runtime behavior of the AlarmApp.
- **Section 3 – Logged Alarms and Events Visualization**
- This section introduces alarm and event logging and describes how to configure the AlarmApp to display logged alarms and events.
- **Module 10 – Trends**
- **Section 1 – Historization Overview**
- This section provides an overview of historicization and introduces viewing trend data in a ViewApp.
- **Section 2 – Real-Time Trending**
- This section describes the Trend Pen element for symbols and introduces trend pen symbols from the Situational Awareness Library.
- **Section 3 – Historical Trending**
- This section describes using the InSightApp and the HistoricalTrendApp for historical trending in a ViewApp.
- **Module 11 – Historical Playback**
- **Section 1 – Historical Playback**
- This section describes how to configure and start the historical playback service, and how to implement historical playback in a ViewApp.
- **Module 12 – .NET Controls Usage**
- **Section 1 – Introduction**
- This section describes importing external controls as OMI Apps for use in ViewApps and exposing certain controls by including a manifest file.
- **Module 13 – Scripting in Graphics**
- **Section 1 – Introduction**
- This section provides an overview of the scripting environment and introduces symbol scripts and layout scripts.
- **Section 2 – Symbol Scripts**
- This section describes predefined and named symbol scripts, explains script triggers, and describes the Action Scripts animation.
- **Section 3 – Layout Scripts**
- This section describes predefined and named layout scripts, including script triggers and the Event Handler.

- **Section 4 – Graphic Client Functions**
- This section explains the ShowContent(), Hide Content(), ShowGraphic(), HideGraphic(), and HideSelf() script functions.

Service

- [**www.logic-control.com**](http://www.logic-control.com).
- Toll-Free (800) 676-8805
- Tech Hotline (913) 254-5000

Documents / Resources

	[**LOGIC 2023 Operations Management Interface**](#) [pdf] User Guide 2023 Operations Management Interface, 2023, Operations Management Interface, Management Interface, Interface

References

- [**Logic, Inc. - Industrial Automation Specialists**](#)