

Niagara^{AX} End-User Training

This session provides introductory level training for the end-user programmer audience. The session provides coverage of concepts and terminology, an introduction to Workbench^{AX} engineering tool, an overview of system architecture and programming, and how Niagara^{AX} visualizes information in graphical views.

The primary training resource includes the *Niagara^{AX} User's Guide*.



Course Description

The goal of the Niagara^{AX} End-User Training course is to provide introductory level technical training in the concepts and technologies on which Niagara^{AX} solutions are based. It is designed to enable building personnel to effectively use the features of the Niagara^{AX} Framework to monitor and control building systems. Participants use Workbench^{AX} and a desktop browser to connect to a station, view real-time control logic and graphics, issue control commands, evaluate and acknowledge alarms and alerts, administer users, modify schedules, view and chart historical data, and administer station databases. The course includes how to create and use presentation views.

The course length is three days and can be offered at your site. Participants are required to attend with their laptop PC pre-loaded with the current version of Vykron AX Supervisor software installed and licensed.

Audience

This course is intended for:

- Tridium Systems Integrators
- Tridium OEM and Other Business Partners
- Distributors
- Building Owners and Operators

This session is specifically designed for the end-user programmer audience – those with station administration responsibilities. It is designed to provide introductory level training for those with a casual need to use both Workbench^{AX} and a desktop browser. This session is recommended in advance of Niagara^{AX} technical certification training.

Prerequisites

A fundamental understanding of contemporary computing and LAN technologies, Microsoft Windows, and systems integration techniques is assumed.

Student Workstation

This session does not require any hardware other than a sufficient PC loaded with the current version of Vykon AX Supervisor software licensed and operational.

Important: Each laptop must have a local administrative level (Windows) user account established with a known user name and password.

Certification

Participants that complete this session can receive a certificate of attendance.

Training Paths

This course provides level-one training. It is introductory in nature. A full understanding of the concepts and procedures offered as part of this course are prerequisite to effectively and efficiently use Niagara^{AX} Framework solutions and to seek Niagara^{AX} technical certification training.

For system operators, this course can be taken by itself. Participants can expect to have a complete understanding of system architecture, design concepts, and basic system operation.

For systems integrators seeking Niagara^{AX} technical certification, this course can be taken as an initial introduction to the Niagara^{AX} Framework followed by Niagara^{AX} Technical Certification Program (TCP) training.

Major Topic Areas

Major topic areas included in the Niagara^{AX} Framework End-User Training session are listed below. Each section combines lecture and hands-on lab exercises.

- **Niagara^{AX} Fundamentals.** An introduction to the Vykon AX Supervisor software architecture and its component structure, Niagara^{AX} platforms and tools, and creating a new station.
- **Using Workbench^{AX}.** A thorough overview of the Workbench^{AX} engineering tool. Learn how to customize and use Workbench^{AX}.
- **Niagara^{AX} Feature Set.** A comprehensive overview of the key features of Niagara^{AX} including user administration, control points, scheduling, integration fundamentals, histories, alarming, and more.
- **Presentation XML.** Niagara^{AX} provides a powerful presentation architecture based on XML. This lesson provides an overview of how Niagara^{AX} visualizes information in graphical views.

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