IPFusion – Technical Associate Training Course Overview

IPFusion Associate Certification

Training Materials: https://partner.ipfusion.ca/docs/2024R2/Training%20Modules/training_download.html

Objectives This course will walk you through what IPFusion is and introduced to its core concepts. With practical exercises and examples, you will be walked through how to create an IPFusion project in the Designer application.

This course will teach you how to:
- Use the IPFusion Designer application to build your project
- Create Workflows to complete actions automatically
- Use IPFusion Runtime as a background service
- Log system events and user actions
- Generate reports on logged data
- Configure and view debugging information using the Debug Tools for a live project
- Simulate Runtime using the Simulation client
- Import and Export items from an Integrated System
- Add and change language information and text
- Use the API to execute commands against IPFusion Runtime
- Use the OPC Tag Database Manager to manage OPC devices

Assessment An online exam for your associate-level certification will be provided at the end of this course.

Module	Contents
Module 1	Introduction to IPFusion • Why IPFusion? • IPFusion Overview • Solution Overview • Features
Module 2	Designer Tools • Project Creation • IPFusion Help • Project Explorer • Adding and Configuring Systems • Maps • Display Layouts • Design Tools • Runtime • Version Control • Publication • Find • Language Manager
Module 3	Project Development • Project Scenario • New Project Wizard • Configure Display Layouts • Configure Maps • Add assets • Configure Integrated Systems • Assign Command and Status Tables • Configure Legends • Video Viewers • Custom Alarms • Connecting to a live system
Module 4	Workflows • Design • Common Blocks • Interactive Workflow Blocks

Module	Contents
Module 5	Publication • Publication Server • Publication Service • Publish a Project
Module 6	Runtime as a Service • Setup Runtime as a Service • Troubleshooting • Uses for Runtime as a Service
Module 7	Logging and Reporting • Installing the Logging and Reporting Software • View Logs with the Reporting Application
Module 8	Debug Tools • Managing Connections • Filtering Live Data • Customizing Live Data Layout • Saving and Loading Layouts • Exporting Logs
Module 9	Simulation Engine • Launching Runtime in Simulation Mode • Connecting the Simulation Client • Live Logging • Simulating Device Statuses • Creating Command Associations • Executing Workflows
Module 11	Security Management • Enabling Security • Security Manager • Active Directory Integration
Module 12	Import/Export Integrated System Components • Generating Import Templates • Import and Export Components
Module 13	Language Manager • Using the Default Language • Adding and Removing Languages • Import and Export Languages

Module	Contents
Module 14	IPFusion API • What is the IPFusion API? • Installing and Enabling the API • Accessing the API • Capabilities of the API
Module 15	IPFusion OPC and the Tag Database • IPFusion OPC • OPC Tag Database • Create a Tag Definition File • Tag Types • Data Editor View • Toggling Live Updates • Connecting to OPC Tag Database Manager • Use Cases