

2015

REVELATION

S O F T W A R E

OpenInsight Training Course Agendas

Introduction, Intermediate and Advanced Training Courses.



Martyn Phillips

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Introduction

Revelation Software's OpenInsight training courses are designed to give new OpenInsight developers a solid overview of the toolset and using it to build, code and debug Windows based applications.




There are three courses on offer, each being covered over a three day period (nine days in total). Revelation Software EMEA, undertake these courses using developers who are using the tools on a daily basis. This enables them to better understand the students specific needs and they are often able to put questions and examples into the context of the business.

This document outlines the agendas for the three standard courses. One on one workshops can be put together to meet specific needs and they enable our developers to concentrate on chosen areas and skim over other areas of lesser importance.

Contact Revelation Software at +44 (0) 20 8912 1000 or info@revsoft.co.uk for more information. All Revelation training course agendas are shown for illustration purposes only and the company reserves the right to amend the course content from time to time to take best advantage of the products in question without prior notification.

Introduction to OpenInsight

This is a three-day course for experienced application developers who are new to OpenInsight. All demonstrations, examples and exercises in the course use native OpenInsight tables and client/server data. During this course, students will learn how to:

-  Develop applications using the features of OpenInsight such as forms, reports, pop-ups, queries and tables.
-  Customise your applications using OpenInsight's BASIC+ programming language.
-  Effectively deploy your applications.

Introduction to OpenInsight Course Agenda





- **Introduction to the Course**
 - Terms and Concepts
 - Introduction to Concepts
 - Support of Iterative Application Development and Collaborative Development Environment
 - Elements of a Good Application
 - Logging On
- **Tools and Application Management I**
 - Description of Tools
 - Launching Tools
 - Documentation and Online Help
 - Application Manager Overview
 - Logging on in Development Mode
 - Application Manager Interface
 - Preferences and Options
 - File Menu
 - Creating a New Application
 - Steps for Creating a New Application
 - Application Properties
- **Building the User Interface I**
 - User Interface Considerations
 - Form Designer Interface
 - Form Designer Preferences
 - Controls
 - Control Properties
 - Creating Forms and Placing Controls
- **Data Considerations - Linear Hash**
 - OpenInsight Database Concepts
 - Table Builder
 - Table Builder Interface
 - Creating New Tables
 - Creating New Data Columns
 - Data Column Attributes
 - Calculated Column Attributes
 - Printing Dictionary Listings
- **Data Considerations - Client / Server Connectivity**
 - Client / Server Terms and Concepts
 - Client / Server Workspace
 - Systems Connection Defaults
 - Starting the Workspace Tools
 - Connection Designer
 - DataSet Designer
 - The Query Designer
- **Database Manager**
 - Database Manager
 - Database Manager Interface
 - Table Management
 - Removing Tables and Volumes
 - Environment Management
 - User Management
 - Language Configuration and Settings
 - Indexing Overview
 - Linear Hash Maintenance

- **Building the User Interface II**
 - Creating Forms Based on Data
 - Database Associated Controls
 - Data Validation and Conversion
 - Menu Builder Interface
 - MDI Frames
- **Creating & Implementing Events**
 - Event Processing Terms and Definitions
 - Event Chain Processing
 - Creating and Implementing Events
 - Physical Events
 - Programmatic Events
 - Event Handlers
 - Non Procedural Event Handlers (QuickEvents)
 - Procedural Event Handlers
 - System Event Handlers
 - QuickEvents
 - QuickEvent Builder
 - QuickEvent Dialog Box
 - Virtual Controls
 - Creating a QuickEvent
- **Enhancing the User Interface**
 - User Interface Workspace
 - Designers
 - Interface
 - QuickHelp Designer
 - Definition/Planning
 - Interface
 - Creating, Testing and Executing
 - Message Designer
 - Definition/Planning
 - Interface
 - Creating, Testing and Executing
 - Return Values
 - Popup Designer
 - Definition/Planning
 - Interface
 - Creating, Testing and Executing
 - Create Wizard Feature
- **Creating Reports - Revelation Report Builder**
 - The Revelation Report Builder Interface
 - Report Builder Menus
 - Report Builder Toolbar
 - Report Builder Report Controls
 - Report Builder Dialog Boxes
 - Creating a Report Builder Report
- **An Introduction to Basic Programming using OpenInsight's Basic+**
 - Introduction to Procedural Event Handlers
 - Event Editor
 - Event Handler Code Structure
 - Debugging Code
 - Debugger Interface
 - Using the Debugger
 - BASIC+ Syntax Rules
 - BASIC+ Language Operators
 - Common BASIC+ Functions
 - Event Chain Processing
 - Manipulating the Event Chain
 - Introduction to Stored Procedures
 - Types of Stored Procedures
 - Structure
 - Examples
 - System Editor Interface
 - System Monitor
- **Application Management II**
 - Repository Structure
 - Entity Management
 - Creating New Entities
 - Deleting Entities
 - Entity History
 - Entity Properties
 - Creating a New Application - II
 - Application Entry Point
 - Logon Banner
- **Collaborative Development**
 - Introduction to Collaborative Development
 - Repository Locking
 - Check-Out Procedures
 - Starting a Check-Out
 - Check-Out Entity Dialog Box
 - Select Entity Dialog Box
 - Check-Out Procedure
 - Editing a Check-Out
 - Error Handling
 - Check-In Procedures
 - Repository View

- **Deploying Applications**
 - The Runtime Deployment Kit
 - Three Phases of Deploying an Application
 - The RDK Main Window
 - Deployment Definitions
 - Deployment Errors Window
 - Extraction Process
- A Basic Introduction to ARev32
 - Overview of the automated conversion process
 - Next Steps
 - A peak at an example Hybrid ARev32 / OI application
- A Basic Introduction to O4W
 - A peak at the wizards using a pre-built Basic O4W application
 - A peak at taking more control with BASIC+ coded pages

Intermediate OpenInsight – Advanced Basic+ Programming

This is an extensive three-day course for experienced OpenInsight developers. This course requires that the Introduction to OpenInsight course has been completed. All demonstrations, examples, and exercises in the course use native OpenInsight tables and client/server data. The course covers the following topics:

-  Advanced Basic + stored procedures and event handling.
-  Introduction to the OpenInsight Printer Interface (OIPi) functions and messages.
-  The use of DDE to load data into and out of other Windows applications and the detailing of the DDE-specific properties that exist in Basic+.
-  The creation and maintenance of data warehouses, including single and multi-value data, and scheduled updates.

Intermediate OpenInsight - Course Agenda

- Stored Procedures
 - Create_Dialog
 - Dialog_Box
 - MSG
 - Popup
 - Send_Info
 - Utility function
 - Set_Status/Get_Status
- Advanced Event Handling
 - Set_EventStatus/Get_EventStatus
 - Forward_Event
 - Send_Event
 - Post_Event
 - Create Event
 - Read Event
 - Write Event
 - PosChanged Event
 - SelPos Property
 - Send_Message
 - IOOptions Property
 - Repository Function
 - Qualify_Event
 - WinMsg Event
- OIPI
- Using DDE in OpenInsight
 - Terms
 - DDE Using the Form Designer
 - DDE to Excel Using Basic+
 - General Notes for DDE with Excel
 - DDE Between OpenInsight and Microsoft Word
 - Non-Procedural DDE
 - Procedural DDE Between OpenInsight and WinWord
 - Other DDE Commands
 - Launching a Word Application Programmatically
 - Checking if an Application is Running
 - OpenInsight as a DDE Server
- Client/Server Workspace (Data Warehousing)
 - Using the Client Server Workspace
 - Creating a Warehouse Procedure
 - Executing a Warehouse Procedure
 - Using the Data Warehouse Feature in OpenInsight
 - Data Warehousing: SQL Server Specifics
- XML Workspace

Advanced OpenInsight

An extensive three-day course for experienced OpenInsight developers. All demonstrations, examples, and exercises in the course use native OpenInsight tables and client/server data. The course covers advanced programming topics not covered in the Intermediate course, along with HTML and Web Services within OpenInsight.

This course was developed for advanced OpenInsight developers and requires that the Introduction and Intermediate Development in OpenInsight course have been completed.

Introduction to OpenInsight - Course Agenda

- Windows API Programming (Advanced Topic)
- XML Subroutines (Advanced Topic)
- OLE and OpenInsight (Advanced Topic)
- OpenEngine functions (Advanced Topic)
- HTML/XML (HTML and Web)
- OECGI (HTML and Web)
- INET functions (HTML and Web)
- Web Queries (HTML and Web)