

## **OUTLINE**

### **DELPHI 2010: INTERFACES AND COM**

Learn how to better reuse your development efforts with this detailed and intense look at implementing COM solutions in Delphi. This seminar begins with an in-depth discussion of interfaces, including the theory and practice of their use. Next, the most common form of COM deployment, automation, is covered in detail. Here you learn how to create both COM servers and COM controllers. Topics discussed include architectures that simplify COM development, COM server registration and deployment, creating and importing type libraries, as well as writing both early and late binding controllers.

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COURSE INCLUDES A COURSE BOOK PLUS ALL CODE EXAMPLES PRESENTED ALONG WITH ADDITIONAL CODE EXAMPLES.

### **DELPHI 2010: INTERFACES AND COM**

#### **UNDERSTANDING INTERFACES**

WHY INTERFACES?

DECLARING AN INTERFACE

IMPLEMENTING INTERFACES

INTERFACES AND METHOD RESOLUTION

INTERFACE IMPLEMENTATION BY DELEGATION

*Interface Code Example 1*

*Interface Code Example 2*

*Comments On Interface Implementation by Delegation*

#### **UNDERSTANDING OLE AUTOMATION**

OVERVIEW OF OLE AUTOMATION

CREATING AUTOMATION SERVERS IN DELPHI

*Out-of-Process Server Instancing*

*Threading Models*

AN AUTOMATION SERVER EXAMPLE

COM SERVERS AND THE USER INTERFACE

#### **USING AN AUTOMATION SERVER**

DECLARING A VARIANT FOR USE WITH A SERVER

OPENING THE SERVER

CONTROLLING AN AUTOMATION SERVER

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Delphi 2010: Interfaces and COM

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RELEASING THE SERVER

EARLY BINDING USING INTERFACES

CREATING IN-PROCESS SERVERS

## **IMPORTING TYPE LIBRARIES**

CREATING A COMPONENT FROM A COM SERVER

*Installing a COM Server Component Wrapper*

*Using a Component Wrapper*

## **CREATING SHELL EXTENSIONS**

CREATING THE SHELL EXTENSION IN-PROCESS SERVER

REGISTERING THE SHELL EXTENSION COM SERVER