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
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