

## **OUTLINE**

### **DELPHI 2010: DELPHI INTERNET TECHNOLOGIES**

This seminar covers Delphi Internet technologies, and shows you how to make new or existing applications available on an intranet or the Internet. It begins by providing an understanding of Internet-related technologies and protocols. It continues with a detailed examination of the client/server interaction of the Web, and the role that HTML plays in the building of browser-based user interfaces. This all leads up to the core content of this seminar - creating Web server extensions using Web Broker. Finally, this seminar covers IntraWeb, which is also called VCL for the Web. Learn how to build interactive Web sites the Delphi way.

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

## **DELPHI INTERNET TECHNOLOGIES**

### **OVERVIEW OF INTERNET TECHNOLOGIES**

OVERVIEW OF INTERNET PROTOCOLS, LANGUAGES, AND TECHNOLOGIES

*TCP/IP*

*Sockets*

*SGML*

*HTML*

*XML*

*DOM*

*FTP*

*HTTP*

*MIME*

*REST*

*World Wide Web*

*Web Servers*

*Web Browsers*

*Scripting Languages*

*Cascading Style Sheets*

*CGI, Win-CGI, ISAPI, and Servlets*

*ASPs and JSPs*

*ActiveX Servers and Applets*

*ASP.NET*

*DCOM, CORBA, Enterprise JavaBeans (EJBs), and Remote Method Invocation*

*Web Services and SOAP*

*Web Services and REST*

## **CREATING WEB SERVER EXTENSIONS USING WEB BROKER**

OVERVIEW OF WEB SERVER EXTENSIONS AND WEB BROKER

*A Simple Overview of Web Interactions*

*HTTP Method Request Types*

SUBMITTING DATA TO WEB SERVER EXTENSIONS USING HTML

*The Image Tag*

*The Anchor Tag*

*The <Form> Tag*

*Types of Web Servers*

CREATING AN ISAPI WEB SERVER EXTENSION

DEFINING WEBACTIONITEMS

CREATING AN ACTION'S RESPONSE

USING MULTIPLE ACTIONS

RELEASING DLLS

PRODUCERS AND HTML

*A Producer's HTMLFile Property*

*Producers and HTML Templates*

*Transparent Tags and Server Portability*

SERVING DATABASE INFORMATION

CALLING YOUR SERVER FROM AN HTML FORM

COOKIES AND THE TWEBREQUEST OBJECT

*Using Cookies*

SESSION COOKIES

*The TWebRequest Contents*

FORMATTING CELLS IN TABLEPRODUCER COMPONENTS

DATASETPAGEPRODUCER

GETTING HTML FORM FIELDS FROM A POST

ACCESSING GRAPHICS FROM A DATABASE

CONVERTING FROM ONE SERVER TYPE TO ANOTHER

*Converting to a Web App Debugger Executable*

DEBUGGING A WEB SERVER EXTENSION

DEPLOYING WEBSNAP APPLICATIONS

## **INTRAWEB (VCL FOR THE WEB)**

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Delphi 2010: Delphi Internet Technologies

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APPLICATION MODE WEB APPLICATIONS

CREATING AN INTRAWEB PROJECT

FILES CREATED BY THE VCL FOR THE WEB APPLICATION WIZARD

*The Project Source*

*The Server Controller*

*The Main Form*

WEB PAGE DESIGN USING INTRAWEB

INTRAWEB COMPONENTS

LAYOUT MANAGERS

*The IWLayoutMgrForm Layout Manager*

*The IWTemplateProcessorHTML Layout Manager*

MORE ABOUT APPLICATION MODE

*Stand-Alone Servers*

SERVICE APPLICATIONS

*ISAPI Applications*

SERVER CONTROLLERS

UNDERSTANDING SESSIONS

SESSION LIFECYCLE

*Session Timeout*