

# Delphi 8.NET ASP.NET Essentials

## Technical Training

### *Accelerate Your Development*

Delphi™ 8 for Microsoft® .NET ASP.NET Essentials is a three-day fundamental level course which offers students experiences with the Delphi™ product for the Microsoft® .NET Framework. The goal of the course is to provide the core knowledge required to successfully build and deploy XML and ASP.NET Web Form applications.

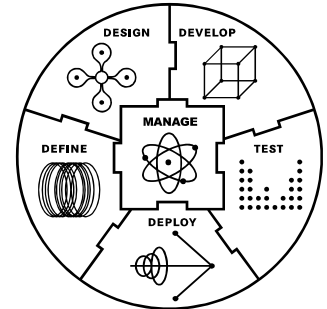
### Description

Students are introduced to building, testing, debugging and deploying ASP.NET Web Forms using the Delphi 8 for .NET environment. Standard ASP.NET Web Controls are covered, as well as Data Controls and the Borland Data Provider for database connectivity in ASP.NET Web Forms. Students will also learn how to use the Borland DB Web controls, and how to test, debug and deploy ASP.NET Web Form applications.

The course then progresses through coverage ASP.NET Web Services, starting by building ASP.NET SOAP servers covering the Web Service classes and attributes of ASP.NET. After testing, debugging and deployment, the focus shifts to consuming Web Services, interoperability issues and migration of existing Delphi Win32 Web Service project to the ASP.NET model.

An advanced application of ASP.NET Web Services introduces multi-tier database development, where the ASP.NET Web Service passes .NET DataSets to thin-clients (and receives updates back). The student is given a thorough overview of the XML components in .NET, XML document programming in .NET and XML Serialization. An introduction to .NET remoting is included.

The information is presented through lectures and visuals, reinforced through a number of hands-on lab exercises. The exercises are designed to allow the students the opportunity to practice the concepts and theory presented in each module of the course. The course will also prepare the student for the Delphi™ 8 for .NET Essentials Certification Test. This course is not designed to teach students basic programming skills, nor is it designed as an advanced-level course.



Course #: RD8E30

Price: Please contact your regional Inixindo office

### Format

3 days: 85% lecture, 15% lab

### Audience

This course is targeted towards Delphi™, Kylix™ and Visual Studio developers who want to transition or upgrade to .NET using the Delphi™ language. It also targets developers who wish to migrate their Delphi™ applications to .NET or want to write new applications for .NET using the Delphi™ language.

### Prerequisites

Delphi™ Experience

### Next Step

Please contact your local Inixindo office with your specific needs.

### More Information

Check the availability of this course and explore other service offerings in the Service area of your regional Inixindo web site (find at <http://www.inixindo.co.id>)

“Borland feels that people with extensive industry experience must lead the training and consulting onsite. That was key. The fact the mentors were highly skilled and very senior developers gave EPL a major leg-up.”

Michael Stoeckert, CIO and CTO, EPL, Inc.

### Course Concepts

#### Introduction to ASP.NET

- What is ASP.NET?
- ASP.NET WebForms
- ASP.NET Web Services
- Scripting vs. Code Behind model
- ASP.NET 2.0 (future view)
- Web Servers: IIS vs. Cassini
- Using Cassini with Delphi for .NET

#### ASP.NET Web Forms Applications

- WebForms Designer
- Flow vs. Absolute Layout
- HTML Controls
- Web Controls and ViewState
- State using Session and Application
- Data Controls
- Borland Data Providers and ASP.NET
- ASP.NET DataGrid
- Paging, Sorting, Editing, Deleting
- DB Web Controls
- Data Entry Input Validation
- Testing & Debugging ASP.NET Web Forms
- Global.asax and HTTP Application
- Web.config configurations
- Deployment

#### Web Services with ASP.NET

- The ASP.NET Web Service Model
- Creating a Simple Web Service
- Adding Web Methods to the Default Web Service
- Deploying the Web Service
- Testing, Tracing and Debugging Web Services
- Adding Web References to an Application to Consume a Web Service
- WebService and WebMethod attributes
- ASP.NET Web Services and Session/State
- SOAP Interoperability
- Migrating Delphi 7 Web Services to ASP.NET
- ASP.NET Web Services and Database Applications
- WebMethods Returning and Receiving .NET DataSets

#### XML in Delphi for .NET XML in Delphi for .NET

- Quick Overview of XML
- XML support in .NET
- XMLReader and XMLWriter
- XML DOM, XML Document Programming
- Serializing XML

#### An Introduction to .NET Remoting

Actual course content may vary and is subject to modification without notice.



**Borland**<sup>®</sup>

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