Visual Studio.NET Concepts for Technical Managers

Course Summary

Description

This course is an overview of the new features of Visual Studio.NET, Visual Basic.NET, Active Server Pages .NET and ADO.NET.

Topics

- .NET Overview
- The .NET Framework
- Windows vs. Web Application Development
- Web Services
- Languages Issues
- ADO.NET for Database Access
- Migrating VB6 Applications to VB.NET
- Testing, Debugging, Deploying

Audience

This course is designed for technical managers.

Prerequisites

Students should be familiar with current application development tools including Visual Studio, PowerBuilder, Delphi, Java and WebSphere.

Duration

One-half day

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Course Outline

I. .NET Overview
- A. The purposes of the .NET framework
- B. Visual Studio .NET
- C. The .NET common language runtime
- D. .NET languages including VB, C#, J#, C++ and others
- E. Versions of Windows supported for development and execution
- F. Co-existence and interoperability with prior versions

II. The .NET Framework
- A. Purpose and organization of class libraries
- B. Exploring the documentation from the top down

III. Windows vs. Web Application Development
- A. Comparison of capabilities
- B. Issues such as performance, productivity, and deployment
- C. Comparison of Active Server Pages .NET to "classic" ASP

IV. Web Services
- A. Purpose of Web Services
- B. Concepts and terms, including XML, SOAP, WSDL, UDDL
- C. Issues, including performance, security, and deployment

V. Languages Issues
- A. Changes from VB to VB.NET, re-training and migration issues
- B. Purpose of C# and J#, comparisons to previous versions of the C and Java languages and to VB.NET
- C. Using other languages in .NET, such as COBOL

VI. ADO.NET for Database Access
- A. The purpose and overview of ADO.NET
- B. Comparison to "classic" ADO, re-training, productivity and performance issues
- C. Using classic ADO in .NET
- D. Component development
- E. Inheritance
- F. Interoperability with COM components
- G. New deployment methods for DLLs

VII. Migrating VB6 Applications to VB.NET
- A. Whether to upgrade VB6 and ASP applications to .NET
- B. Changes to make before upgrading
- C. Techniques for upgrading

VIII. Testing, Debugging, Deploying
- A. Debugging of web applications
- B. "Instrumenting" production Windows and web applications
- C. Changes in deployment

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