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Getting Started with Visual Studio.Net

By Balaji

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Getting Started with Visual Studio.Net

Visual Studio.Net is a comprehensive Integrated Development Environment (IDE) that is extensively used to develop ASP.Net web applications. In addition, it allows you to create standalone applications, mobile applications and eXtensible Markup Language (XML) Web Services. Visual Studio.Net provides a common platform to build, compile, and run an application. Visual Studio.Net comes with .Net Framework that allows you to install Common Language Runtime (CLR), class libraries, and ASP.NET. Visual Studio.Net has drag-and-drop capabilities for all the controls that make it user-friendly.

Visual Studio.Net comes in three editions: Professional, Enterprise Developer, and Enterprise Architect. The Professional edition helps you to easily build and deploy Windows, Web, and Mobile applications. The Professional edition, that has built-in ADO.NET and Visual Database Tools, provide support for the creation of professional data-driven software. The Enterprise Developer allows you to use the .NET Framework and Microsoft Windows Server 2003 to develop distributed applications with improved deployment capabilities, security, reliability, and performance.

As Visual Studio.Net includes Common Language Runtime engine, the applications in Visual Studio.Net are language independent and platform independent. You can program the applications with languages such as Visual Basic.Net, Visual C#.Net, Visual C++.Net, and Visual J#.Net. In addition you can use languages such as COBOL, FORTRAN, Java, Eiffel, and Mercury in your applications. You can also use scripting languages such as VBScript and JavaScript.

Visual Studio.Net 2003 now has some of the advanced features such as integration with .Net Compact Framework, support for latest web services, and integration with Enterprise Instrumentation Framework. The integration with .Net Compact Framework allows you to develop and deploy applications for smart devices. Visual Studio.Net 2003 supports some of the most advanced web services such as WS–Routing, WS–Security, WS–Attachments, and Direct Internet Message Encapsulation. Similarly, the integration of Enterprise Instrumentation Framework with Visual Studio.Net 2003 allows you to monitor the application while you run it.

All the features mentioned above are available in all the editions of Visual Studio.Net. For the integration of Enterprise Instrumentation Framework, you have to download it from MSDN.

To access online version of the above article, go to <http://www.dotnet–guide.com/visualstudio.html>

Visit <http://www.dotnet–guide.com> for a complete introduction to .NET framework. Learn about ASP.NET, VB.NET, C# and other related technologies.

Getting Started with ASP.NET Web Matrix

By Balaji

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Getting Started with ASP.NET Web Matrix

ASP.NET Web Matrix is a development tool by Microsoft to create sophisticated web applications. Visual Studio.Net, another development tool, has lots of features such as creating windows applications, web services, and mobile application. But these very features of Visual Studio.Net make it bigger in size. Moreover, installing Visual Studio.Net needs 512MB of RAM. This, in contrast, ASP.NET Web Matrix is meant only to create ASP.NET web applications. Moreover, ASP.NET Web Matrix is "lightweight" and can be easily downloadable. The download size of ASP.NET Web Matrix is only 1.1 MB.

In ASP.NET Web Matrix you do not need to install Internet Information Server (IIS). It comes with built–in web server. ASP.NET Web Matrix can be divided into three components such as Class Browser, Web Matrix Editor, and Web Server. The Class Browser displays all the classes in the Base Class Library with their methods, properties and events. The Web Matrix Editor is the visual interface where you can drag and drop controls to build web applications. The Web Server is used to test and run your web applications.

ASP.NET Web Matrix allows you to add online components to your web applications. The biggest disadvantage of ASP.NET Web Matrix is the absence of IntelliSense, which makes writing the code a little tough. ASP.NET Web Matrix, like Visual Studio.Net, supports multiple languages such as VB, C#, and J#. ASP.NET Web Matrix also supports both FTP–based and file–based workspaces. Workspaces are saved across sessions for allowing you to quickly work on your application. This allows developers to easily organize and edit their ASP.NET applications. They just have to double–click the file within the

workspace tree to open it for editing.

ASP.NET Web Matrix provides a built-in access to the ASP.NET community right from within its IDE. This allows you to browse through community web sites and search the ASP.NET Forums and Newsgroups, in case you need help. ASP.NET Web Matrix Project allows you to easily develop ASP.NET database applications because it has built-in support for Microsoft SQL Server and MSDE.

To access online version of the above article, please go to
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