

Upgrade Dot Net 2.0 to 4.0

C# as a language is getting richer day by day whilst we are introduced with newer releases of .NET framework. Recently pronounced .NET 4.0 comes with lots of new features on different aspect of programming world. Some relates to technology, while some directly changes the basic API of the language structure. C# as a language is not deprived from those changes, and hence it is time to go on and understand few of the basic changes that are made in the C# language.

In this article, I will introduce the basic changes to C# 4.0. To start lets jot down the topics which I will discuss in this article first.

1. Named and Optional Parameters
2. Dynamic Keyword
3. Co-Variance and Contra-Variance
4. Event Object Locking Changed

Following are list of Major Changes in .Net 4.0

- ControlRenderingCompatibilityVersion Setting in the Web.config File
- ClientIDMode Changes
- HtmlEncode and UrlEncode Now Encode Single Quotation Marks
- ASP.Net Page(.aspx) Parser is Stricter
- Browser Definition Files Updated
- System.Web.Mobile.dll Removed from Root Web Configuration File
- ASP.NET Request Validation
- Default Hashing Algorithm Is Now HMACSHA256
- Configuration Errors Related to New Asp.NET 4 Root Configuration
- ASP.NET 4 Child Applications Fail to Start When Under ASP.NET 2.0 or ASP.NET 3.5 Applications
- ASP.NET 4 Web Sites Fail to Start on Computers Where SharePoint Is Installed
- The HttpRequest.FilePath Property No Longer Includes PathInfo Values
- ASP.NET 2.0 Applications Might Generate HttpException Errors that Reference eurl.axd
- Event Handlers Might Not Be Not Raised in a Default Document in IIS 7 or IIS 7.5 Integrated Mode Changes to the ASP.NET Code Access Security (CAS) Implementation

- MembershipUser and Other Types in the System.Web.Security Namespace Have Been Moved
- Output Caching Changes to Vary * HTTP Header
- System.Web.Security Types for Passport are Obsolete
- The MenuItem.PopOutImageUrl Property Fails to Render an Image in ASP.NET 4
- Menu.StaticPopOutImageUrl and Menu.DynamicPopOutImageUrl Fail to Render Images When Paths Contain Backslashes

.Net 2.0

- 1.CLR Features**
- 2.Delegates**
- 3.Other basic concepts**

.Net 3.0

- 1.WCF**
- 2.WPF**
- 3.WF**

.Net 3.5 - Enhanced Feature of .Net 3.0
- LINQ

.Net 4.0

- 1.Parallelism**
- 2.Entity Framework**