



# C# Deconstructed: Discover how C# works on the .NET Framework

By Mohammad Rahman

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*C# Deconstructed* answers a seemingly simple question: Just what is going on, exactly, when you run C# code on the .NET Framework?

To answer this question we will dig ever deeper into the structure of the C# language and the onion-skin abstraction layers of the .NET Framework that underpins it. We'll follow the execution thread downwards, first to MSIL (Microsoft Intermediate Language) then down through just-in-time compilation into Machine Code before finally seeing the results executed at the hardware level.

The aim of this deep-dive is to provide you with a much more rounded knowledge of the environment within which you code exists. As a managed language, it's best-practice to let the Framework deal with device interaction but you'll find the experience of taking the cover off once in a while a very rewarding one that will greatly enrich your appreciate of the C# language and the way in which in functions.

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#### About the Author

Mohammad Rahman is a computer programmer. He has been a programmer since 1998 and for the past seven years he has been designing desktop and web-based systems for private and government agencies using C# language in Microsoft.NET. Currently he is working as a computer programmer and earning his doctorate as a part-time student at the University of Canberra, Australia.

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