



Expert F# 2.0 (Expert's Voice in F#)

Don Syme, Adam Granicz, Antonio Cisternino

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Expert F# 2.0 is about practical programming in a beautiful language that puts the power and elegance of functional programming into the hands of professional developers. In combination with .NET, F# achieves unrivaled levels of programmer productivity and program clarity.

Expert F# 2.0 is

- The authoritative guide to F# by the inventor of F#
- A comprehensive reference of F# concepts, syntax, and features
- A treasury of expert F# techniques for practical, real-world programming

F# isn't just another functional programming language. It's a general-purpose language ideal for real-world development. F# seamlessly integrates functional, imperative, and object-oriented programming styles so you can flexibly and elegantly solve any programming problem. Whatever your background, you'll find that F# is easy to learn, fun to use, and extraordinarily powerful. F# will change the way you think about—and go about—programming.

Written by F#'s inventor and two major contributors to its development, *Expert F# 2.0* is the authoritative, comprehensive, and in-depth guide to the language and its use. Designed to help others become experts, the first part of the book quickly yet carefully describes the F# language. The second part then shows how to use F# elegantly for a wide variety of practical programming tasks.

The world's foremost experts in F# show you how to program in F# the way they do!

What you'll learn


- Explore F# and its features quickly and thoroughly in the introductory chapters
- Use F# with the newest .NET technologies such as WPF, LINQ, and ASP.NET AJAX
- Build reactive, asynchronous, and distributed applications with F#
- Interoperate with F# from other .NET languages, especially C#
- Test, profile, and performance tune F# applications
- Work with real-life examples and advanced programming features

Who this book is for

Expert F# 2.0 is for anyone interested in state-of-the-art .NET programming. Professional programmers will find it engrossing. F# provides invaluable insight into the future of both C# and VB, which are now adopting some (but far from all) of the functional features of F#. Once programmers learn F#, few feel like returning to either C# or VB. The academic community will find F# the answer to a decades-long prayer: a language suitable for teaching computer science that also excites and empowers students because it can be used not just in the classroom, but also in the real world.

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Jose Gould:

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