

MAKING WORLD STATICALLY TYPED WITH F# TYPE PROVIDERS



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CREATING VALUE BY SHARING KNOWLEDGE

F# THE LANGUAGE



- ❖ Born in 2005 (Don Syme, Microsoft Research, Cambridge)
- ❖ Officially released in 2010
- ❖ Statically typed
- ❖ Functional first
- ❖ Object oriented
- ❖ Open source
- ❖ .NET language
- ❖ First class citizen in Visual Studio & Xamarin Studio

TYPE PROVIDERS

- ❖ Compile time component that injects type into compiler
- ❖ No code generation
- ❖ More like compiler plugin with access to external world
- ❖ Provides signature and implementation for accessing external data source
- ❖ Intellisense
- ❖ Provide types „on demand”

DEMO TIME

let's see some code

OTHER TYPE PROVIDERS

- ❖ WorldBank
- ❖ XML
- ❖ Odata
- ❖ Hadoop
- ❖ R
- ❖ WSDL
- ❖ TypeScript
- ❖ ...

LEARNING RESOURCES

stuff to get you started

TUTORIALS & KNOWLEDGE

- ❖ [Try F#](#)
- ❖ [F# koans](#)
- ❖ [F# for fun and profit](#)
- ❖ [F# Software Foundation](#)
- ❖ [Type provider whitepaper](#)
- ❖ [12 type providers in action](#)
- ❖ [Sergey Tihon's type providers list](#)
- ❖ [#fsharp on twitter](#)

TALKS

- ❖ [Introduction to F#, Don Syme, Channel 9 Lectures](#)
- ❖ [Getting Started with F#, Rachel Reese, Community for F#](#)
- ❖ [Understanding the World with F#, Tomas Petricek, Channel 9](#)

THANK YOU

now go and build something

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