A Tour of Go
for the C# Developer

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I am NOT an Expert

- Primary language: C#

- Exploring Go (golang) for ideas
  - Different priorities
  - Different programming approaches
  - Things I can use in my primary environment

About Go

- Created at Google
- First released March 2012
- General purpose language w/ C-like syntax

- Static Typing
- Memory Safety
- Garbage Collection
- Concurrency
- Run-time Efficiency

Today's Topics

- Opinionated Syntax

- No Unused Variables

- Baked-in Concurrency

- sync.WaitGroup

- Deferred Calls

- Error Handling

- Multiple Return Values

- Interfaces

- Inline goroutines

- Closures

Additional Topics

- Packages
- Exports
- Project Structure
- Types
- Interfaces
- Named Return Values

- Bare Returns
- Error / Panic
- Channels
- Pointers
- Generics (added 1.18)

Resources

Code Samples & Resources

https://github.com/jeremybytes/
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Thank You!

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