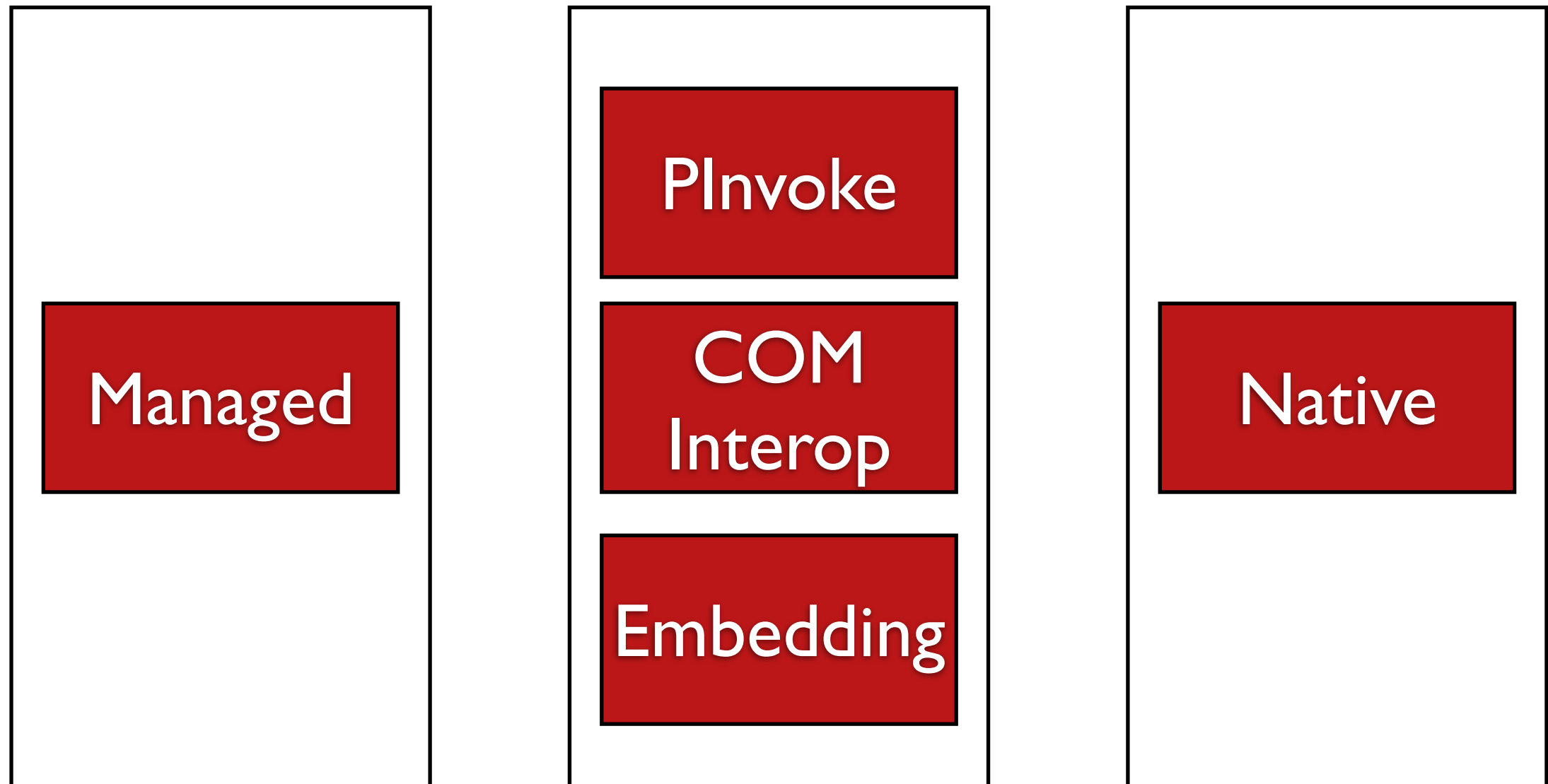


Embedding Mono

The C Side of Mono

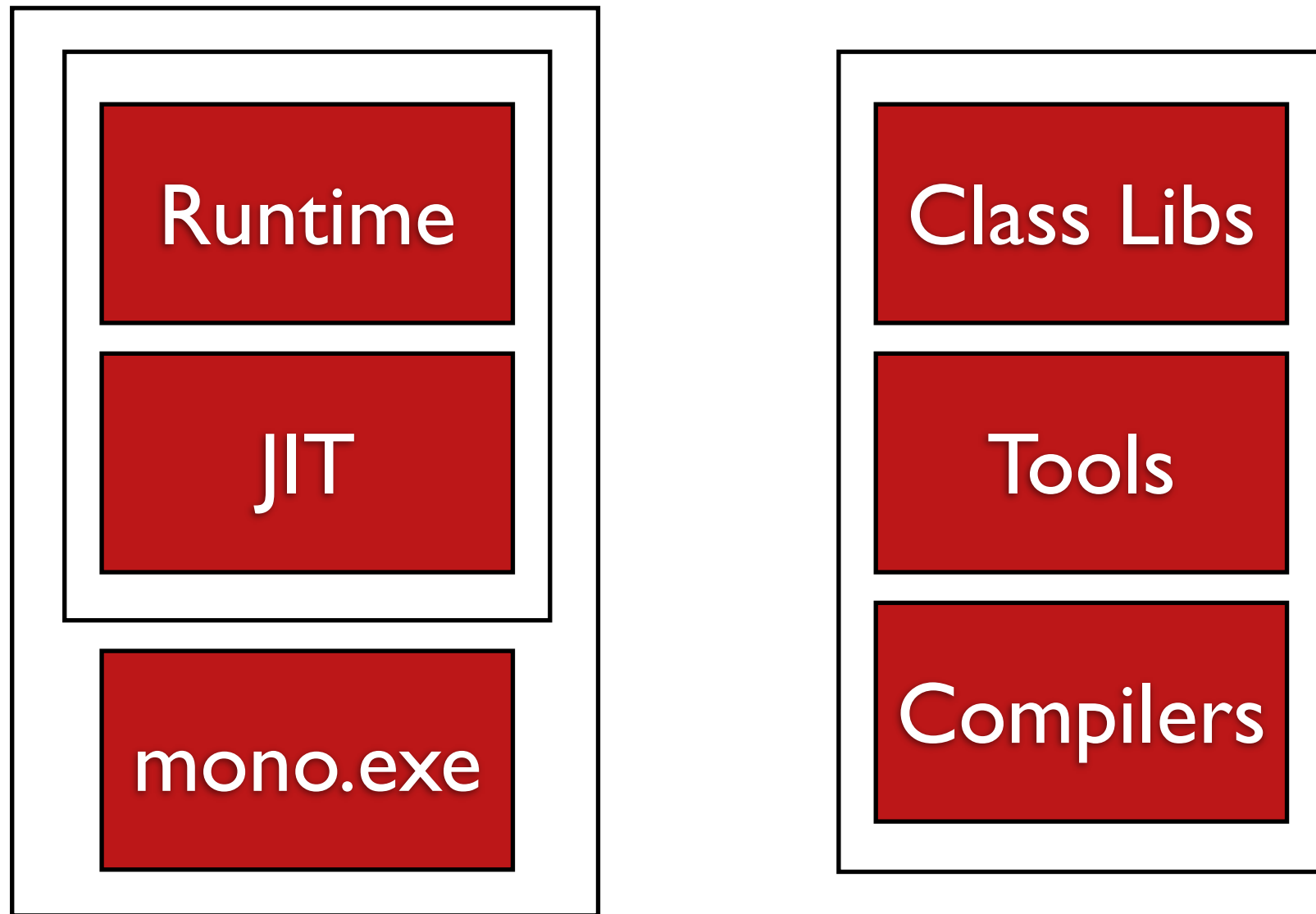
Interop



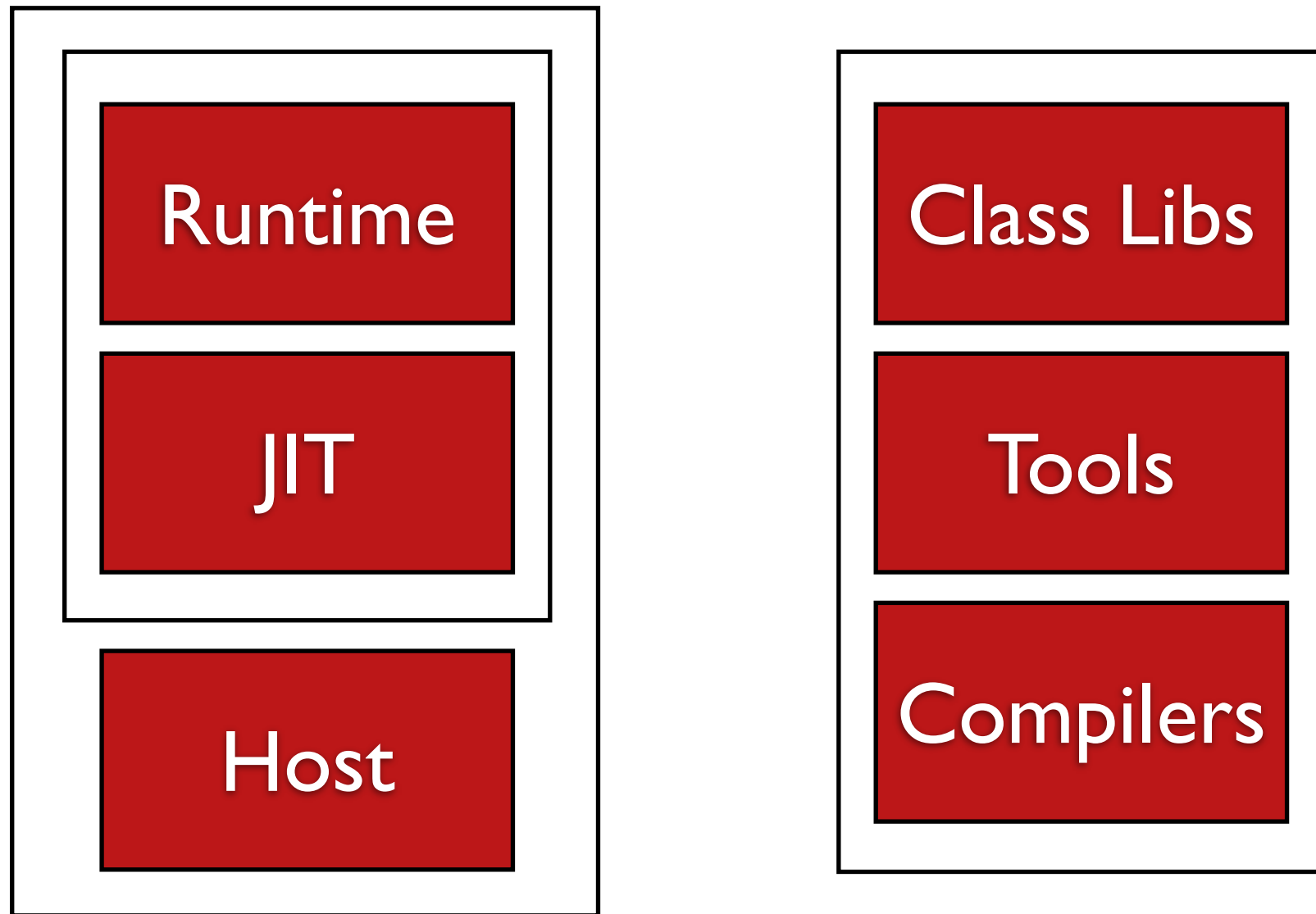
Interop

- Marshalling
- Portability

Mono



Embedding



Why Embed?

- Legacy Application
- Script Engine Application Model
- Security

Embedding Sample

- Qt Application
- Windows/OSX/(Linux)
-

Hosting .Net and Mono

- Leverage 'best' runtime on each platform
- .Net specific features (WPF, plugins)
- WinRT
- Strategy
 - Go managed!

Security



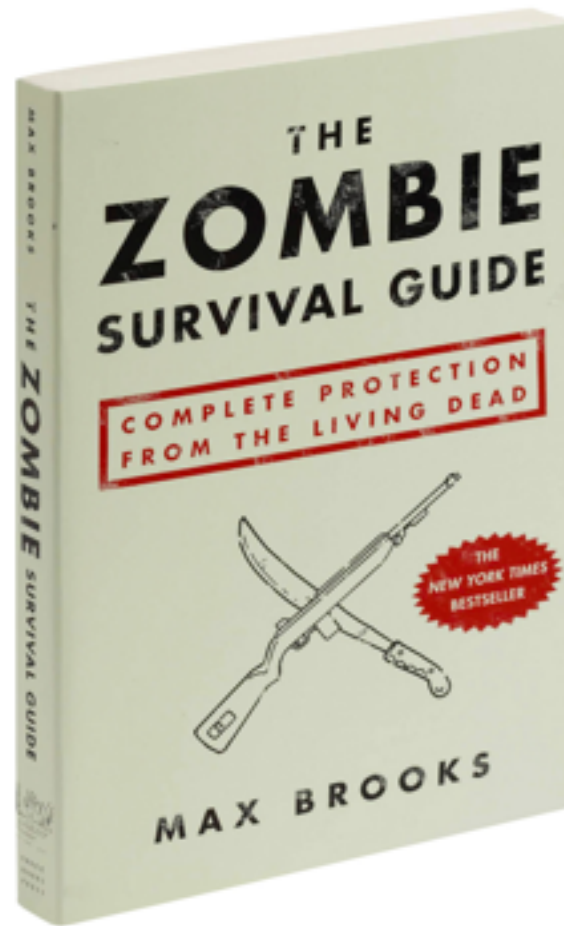
Security

- Core CLR
- Security Levels
 - Transparent (untrusted)
 - SecurityCritical (trusted)
 - SecuritySafeCritical (bridge)

Performance

- `mono_runtime_invoke` has some overhead
- Marshal a delegate
- `mono_method_get_unmanaged_thunk`

Using Mono





Deployment

Deployment

- Installer vs. xcopy
- Dependencies
- Deployment size
- `mono_set_dirs/mono_set_assemblies_path`
- `otool` on OSX



Crashes

Debugging

- signal chaining
 - `mono_set_signal_chaining`
- vectored exceptions

Questions?

- @jon_cham
- joncham@gmail.com
- <https://github.com/joncham/monkeyspace2012-demos>
- Unity is hiring!

