



mono

today & tomorrow

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pm | microsoft

#xamarin & #vs4mac

@mjhutchinson



mono = ?

mono = { desktop
mobile
embeddable
portable

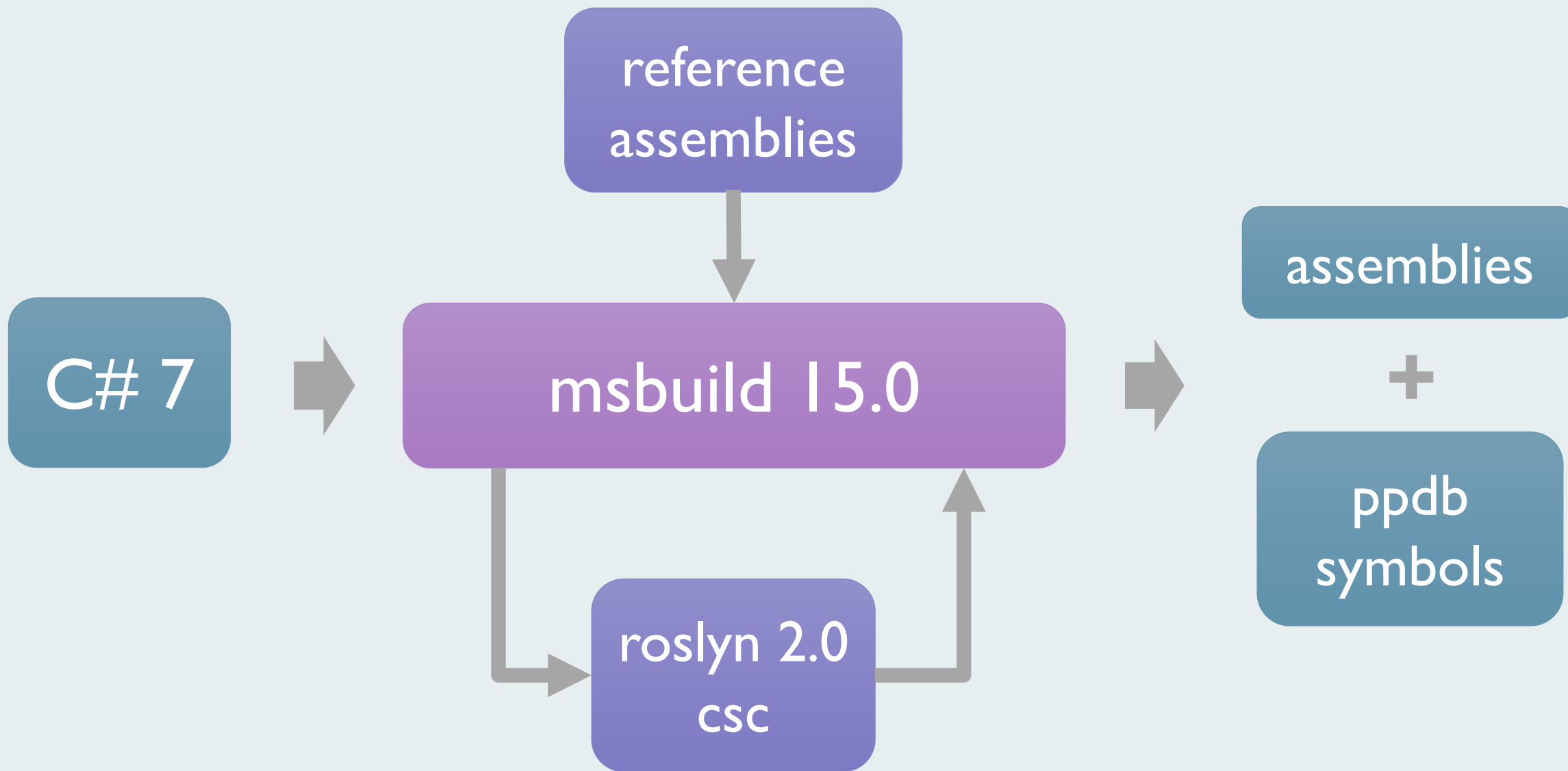
4.8

5.0

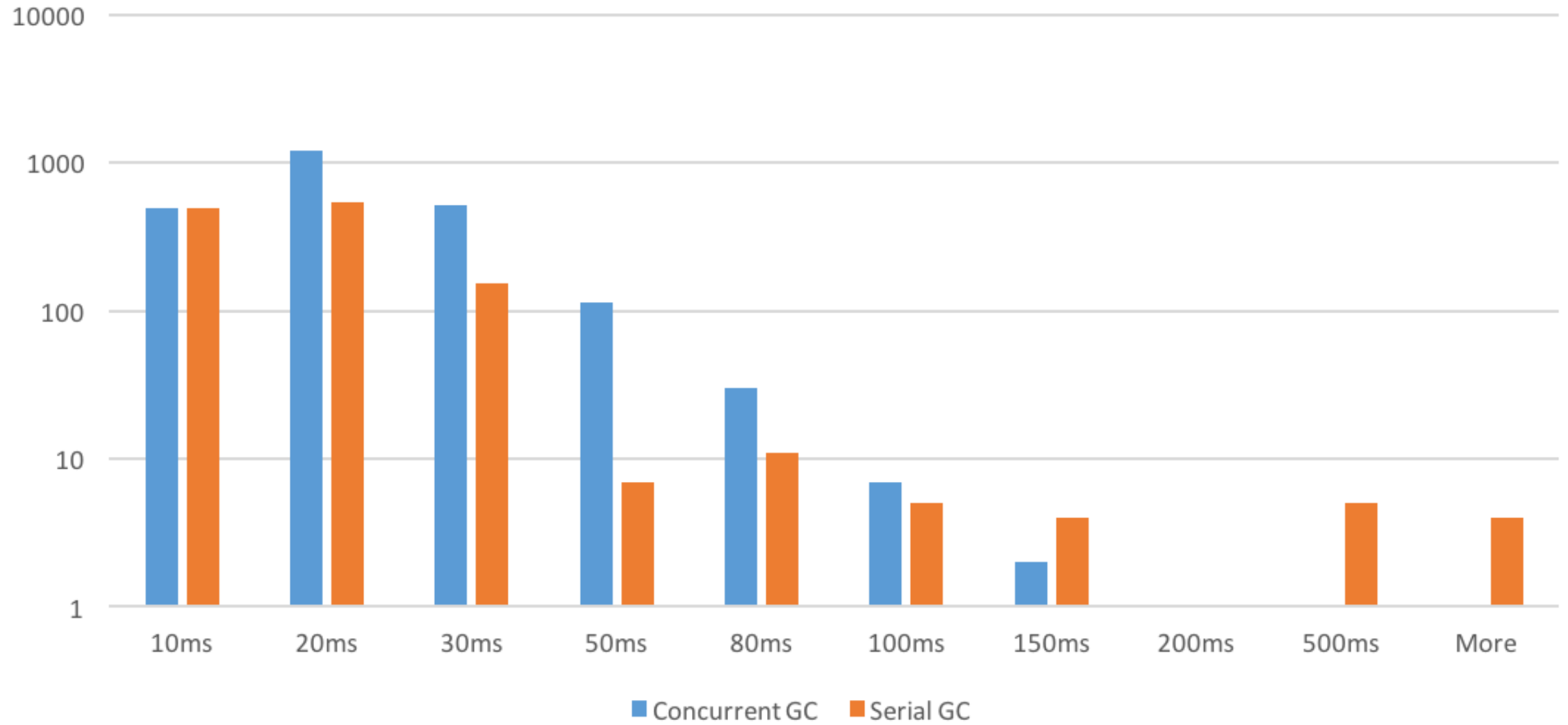
5.2

5.4

5.6



Pause time



Mono



CoreFX



symbolication

static analysis & reliability

accelerated simd w/ llvm

generics size reduction

appletls / boringtls

x64 Linux macOS x86 Win32
LLVM Bitcode Win64 PPC s390x
Android ARM64 UWP
Xbox One PPC64 FreeBSD SPARC
MIPS iOS PlayStation 4 ARM

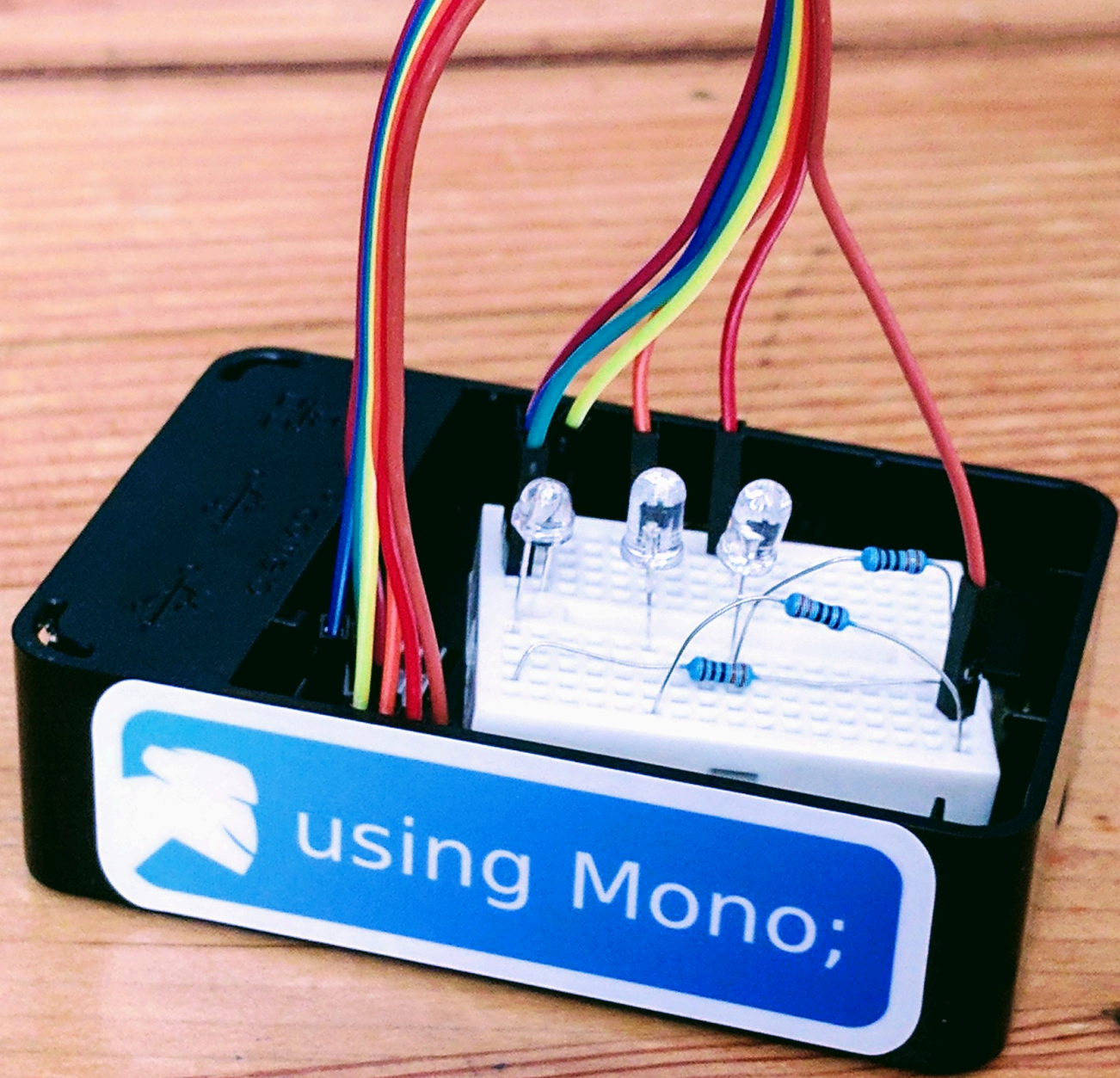
```
#include <mono/jit/jit.h>
#include <mono/metadata/assembly.h>
#include <mono/metadata/debug-helpers.h>
```

```
MonoDomain* domain = mono_jit_init (domain_name);
MonoAssembly* assembly = mono_domain_assembly_open (domain, "my.dll");
MonoImage* img = mono_assembly_get_image (assembly);
MonoMethodDesc* desc = mono_method_desc_new ("Foo.Bar:Entry", true);
MonoMethod* method = mono_method_desc_search_in_image (desc, img);
```

```
void* args [1];
args [0] = mono_string_new (domain, "Hello");
MonoObject* result = mono_runtime_invoke (bar_method, NULL, args, NULL)
```

```
[...]
```

```
mono_jit_cleanup (domain);
```


```
$ mkbundle --list-targets
Available targets locally:
default - Current System Mono
Targets available for download
with --fetch-target:
mono-4.8.0-debian-7-arm64.zip
mono-4.8.0-debian-7-armel.zip
mono-4.8.0-debian-7-arm.zip
mono-4.8.0-debian-7-ppc64el.zip
mono-4.8.0-debian-7-x64.zip
mono-4.8.0-debian-7-x86.zip
mono-4.8.0-debian-8-arm64.zip
mono-4.8.0-debian-8-armel.zip
```



SOON...ISH?

interpreter

default interface
members

webassembly

github.com/mono/mono

gitter.im/mono/mono

lists.dot.net

monosoc.blogspot.com

THANK YOU!

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