

The Joy(?) of embedding with mruby

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mruby?

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- it's by matz
- it has an ISO number
- it can be embedded

What is embedded?

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- To put it inside of something else

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- Another program

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- To put it inside of something else
- Another program
- ANY kind of program?

Embedded

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- Game scripting

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- VST plugin

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- Web server(nginx)

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- Javascript(!)
 - (via Emscripten)

Embedded

- Game scripting
- VST plugin
- Web server(nginx)
- Javascript(!)
 - (via Emscripten)
- Chips
 - Microcontrollers

How small of a chip?

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- 100KB ROM

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- 40KB RAM

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- 100KB ROM
- 40KB RAM
- (Not the smallest, but good enough for most purposes)

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- Everything else!

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- Doesn't run on all Arduinos
- Core build system is better, but still not great
- Don't need to USE C, but DO need to be aware of it
- Cross-compilers
- Takes effort to make it small!

But this is not a workflow talk!

Why?

A great way to learn in comfort

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- Learn electronics

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- Run on a Wheelchair

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- (remember the mention of an ISO number)

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Again, why?

- That is the "?"
- And a "!" should be "why not"
- So if we combine them...
- This should really be the:

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Further Reading

mruby: <http://mruby.org>

nginx: <http://ngx.mruby.org/>

VST:

<https://blog.fazibear.me/processing-audio-with-ruby-330796afd06>

web irb: <http://joshnuss.github.io/mruby-web-irb>

nginx: <http://ngx.mruby.org/>

RubyOnWheelchair: <http://mruby.sh/201707150753.html>

Ruby in Japan:

<http://engineering.appfolio.com/appfolio-engineering/2017/5/24/how-is-ruby-different-in-japan>

Thanks!

`http://kurokoproject.com`

`https://twitter.com/mechazoidal`

`https://github.com/mechazoidal`

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