
CLI WITH MRUBY-CLI

THIAGO SCALONE - @scalone

Accept any form of payment

Own the most secure device that can accept any form of payment, including mag stripe, chip card, contact-less and mobile.

Order Your Device Now



Bitcoin



Bluetooth



EMV

NFC

CloudWalk®

Democratizing Payments

Choose any payment technology that fits your business. After all, it is your business, your device and your terms.



Accept any form of payment

Own the most secure device that can accept any form of payment, including mag stripe, chip card, contact-less and mobile.

Order Your Device Now



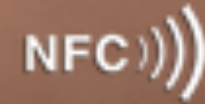
Bitcoin



Bluetooth

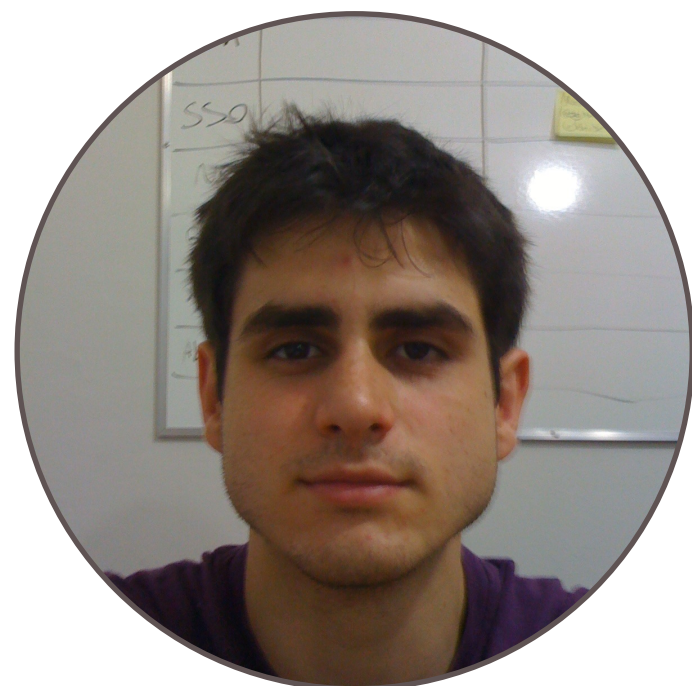


EMV



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Bitcoin



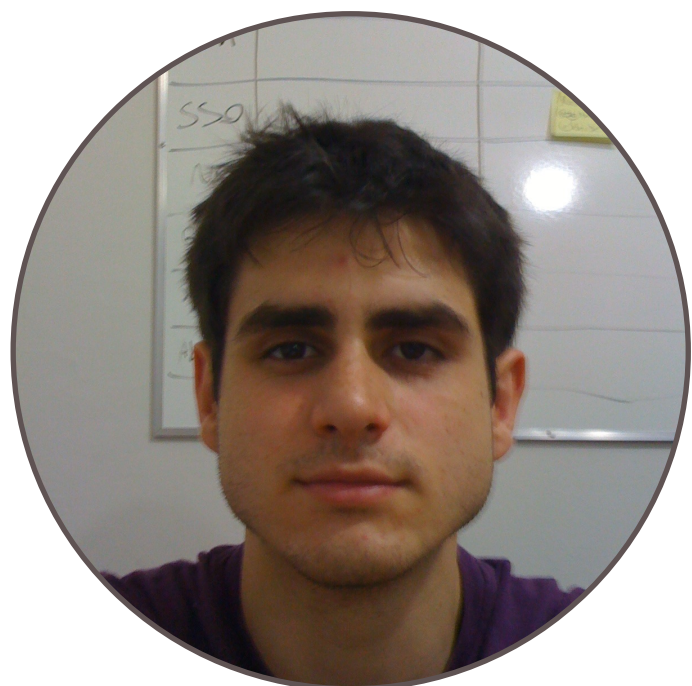
Bluetooth



EMV

NFC

CloudWalk®



Democratizing Payments

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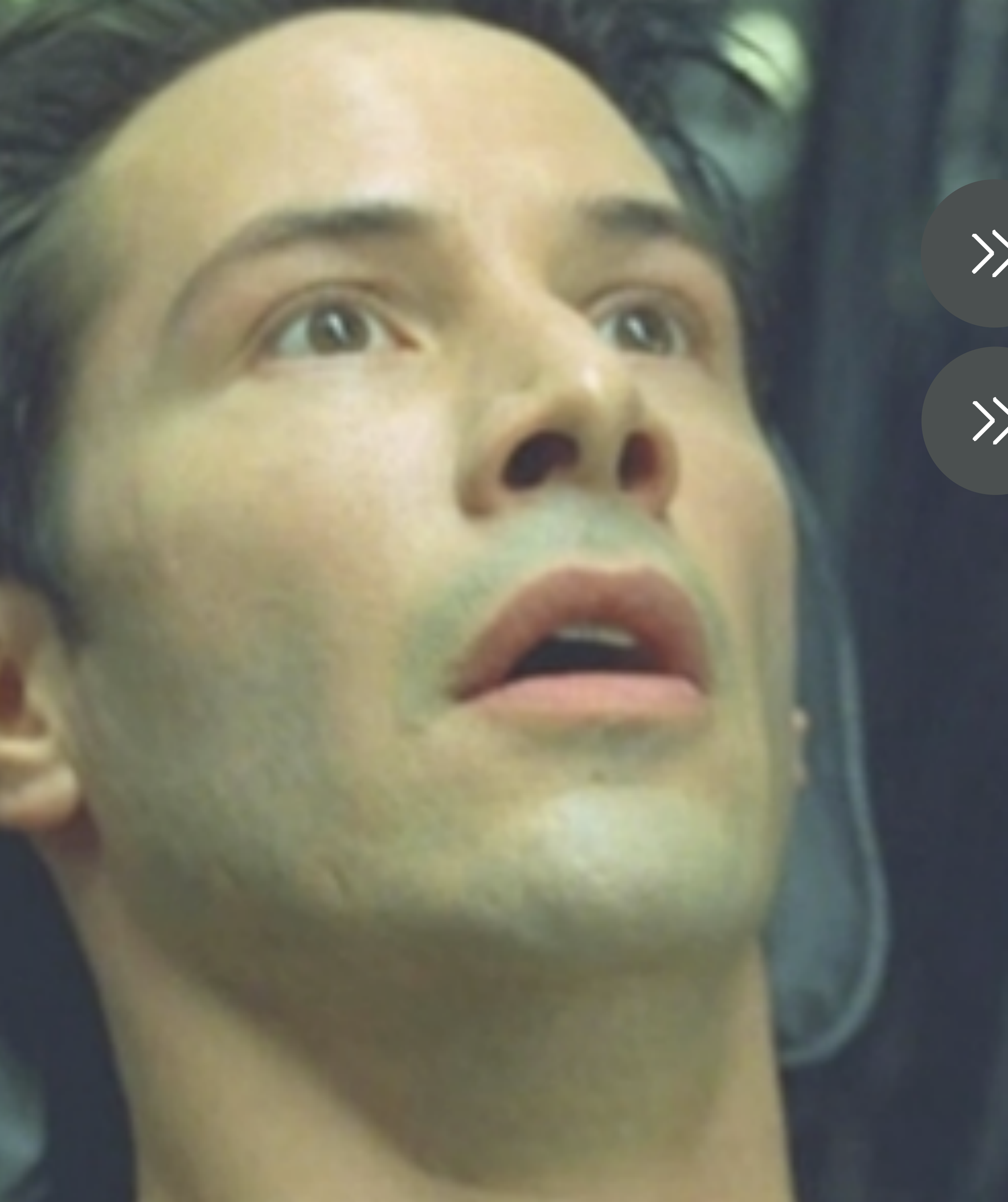
WHY?



Web API



Mail



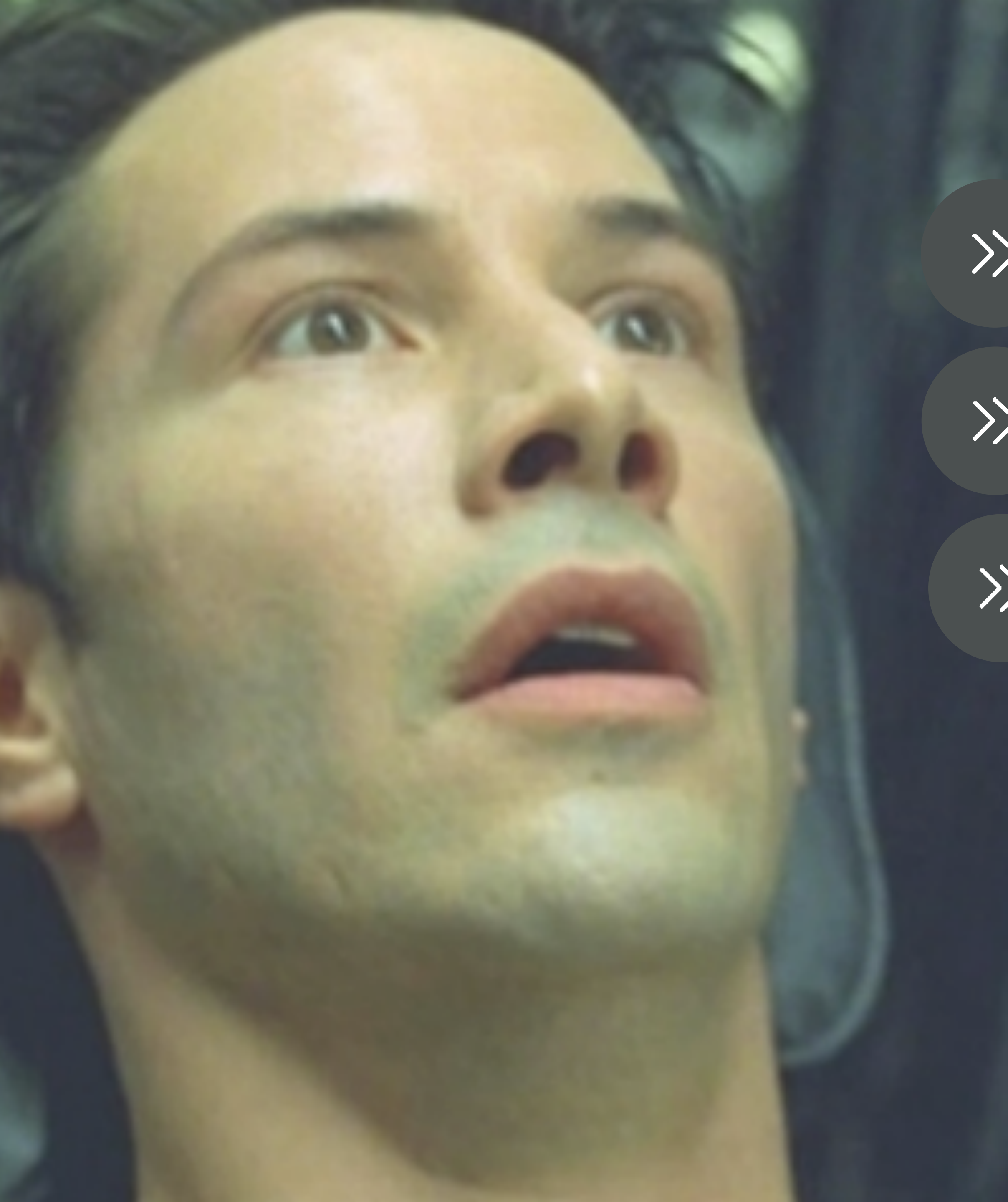
Web API



Mail



Analytics

A close-up photograph of a man's face, looking upwards with a slight smile. The image is partially obscured by a white vertical bar on the right side.

Web API



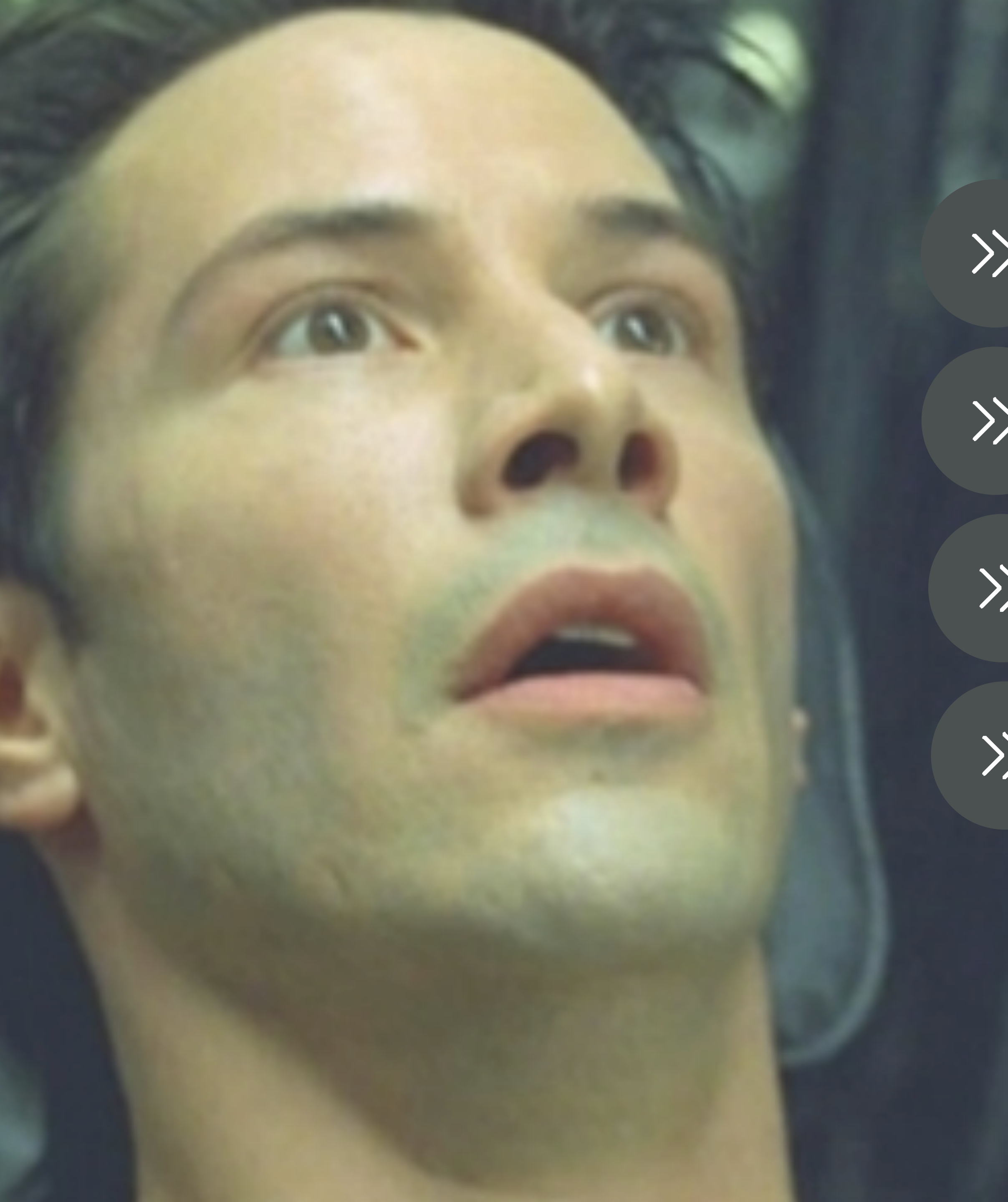
Mail



Analytics



Communication



Web API



Mail



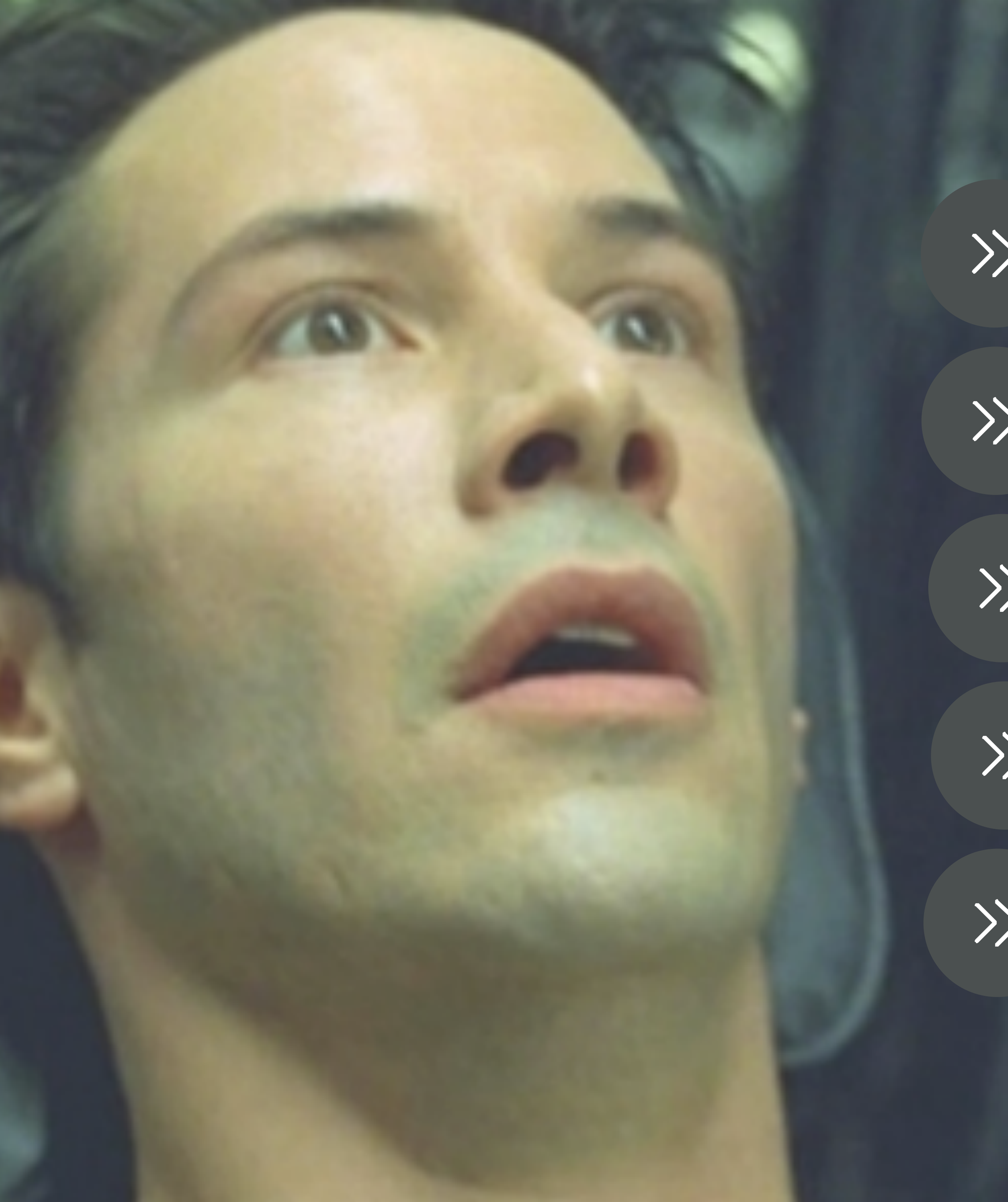
Analytics



Communication



Monitoring

A close-up photograph of a man's face, looking upwards with a slight smile. The image is partially obscured by a dark vertical bar on the right side, which contains a list of items.

Web API



Mail



Analytics



Communication



Monitoring



Authentication



Web API



Mail



Analytics



Communication



Monitoring



Authentication



Errors

\$ my-cli

NO BROWSER



Who



Github - Hub



Heroku - Heroku Toolbelt



AWS - aws-cli



Trello - trello_cli



Slack - slack-cli



CW - cloudwalk



HEROKU

heroku 3.42.38

Client library and command-line tool to deploy and manage apps on Heroku.

VERSIONS:

3.42.38 - February 25, 2016 (1.02 MB)
3.42.37 - February 22, 2016 (1.02 MB)
3.42.36 - February 11, 2016 (1.02 MB)
3.42.35 - February 10, 2016 (1.02 MB)
3.42.34 - February 8, 2016 (1.02 MB)

[Show all versions \(518 total\) →](#)

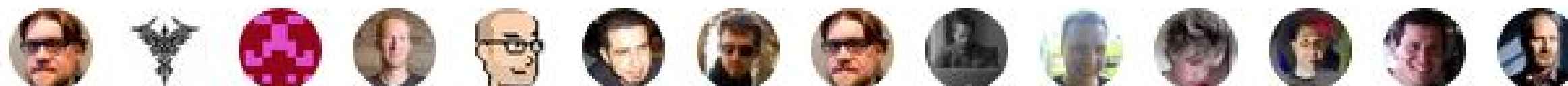
RUNTIME DEPENDENCIES:

heroku-api = 0.3.23
launchy = 2.4.3
multi_json = 1.11.2
netrc = 0.10.3
net-ssh = 2.9.2
net-ssh-gateway = 1.2.0
rest-client = 1.6.8
rubyzip = 1.1.7

AUTHORS:

Heroku

OWNERS:



TOTAL DOWNLOADS

2,727,789

FOR THIS VERSION

936

[Show all versions \(518 total\) →](#)

GEMFILE:

```
gem 'heroku', '~> 3' 
```

INSTALL:

```
gem install heroku 
```

LICENSE:

MIT

REQUIRED RUBY VERSION:

>= 1.9.0

LINKS:

gem install heroku

CRuby



Requires Ruby

CRuby



Requires Ruby



Performance (Require)

CRuby



Requires Ruby



Performance (Require)



Ruby Versions

CRuby



Requires Ruby



Performance (Require)

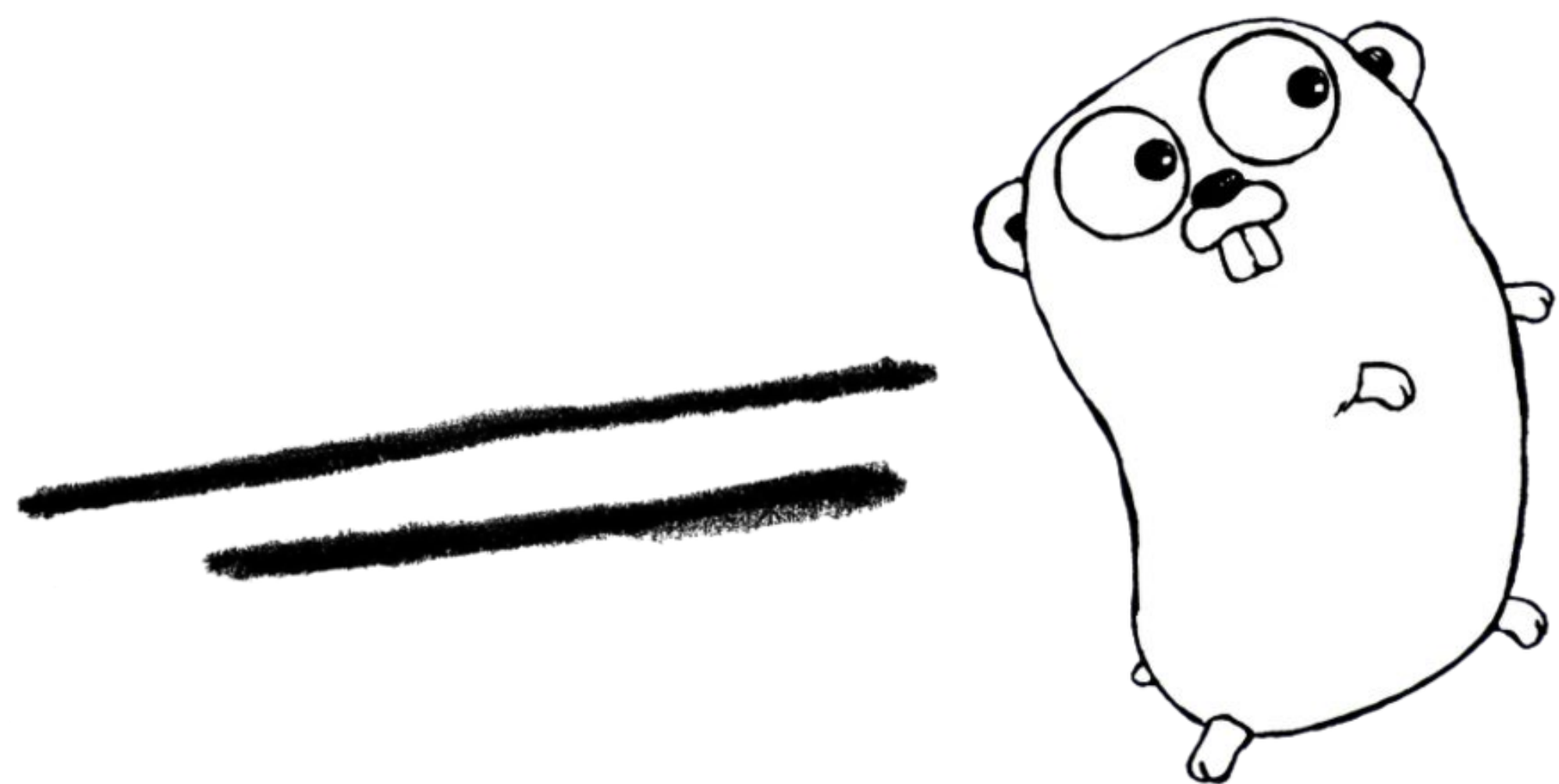


Ruby Versions



Packaging Problems





```
$ GOOS=linux    GOARCH=amd64 go build  
$ GOOS=windos  GOARCH=amd64 go build  
$ GOOS=darwin   GOARCH=amd64 go build
```

Heroku CLI



 PASSED  build  passing  license MIT License  go report  A+  codebeat  B

The Heroku CLI is used to manage Heroku apps from the command line.

For more about Heroku see <https://www.heroku.com/home>

To get started see <https://devcenter.heroku.com/start>

Overview

This is the next generation Go/Node-based Heroku CLI. Currently, it is not feature complete with the existing CLI and not intended to be used standalone. It is used internally inside the existing Ruby CLI for some commands.

The goals of this project were to make plugins more flexible, remove Ruby as a runtime dependency, and make the CLI faster.

We are in the process of migrating commands over, some you can try out include: `heroku status`, `heroku fork`, and `heroku git:remote`.

Heroku CLI



 PASSED  build  passing  license MIT License  go report  A+  codebeat  B

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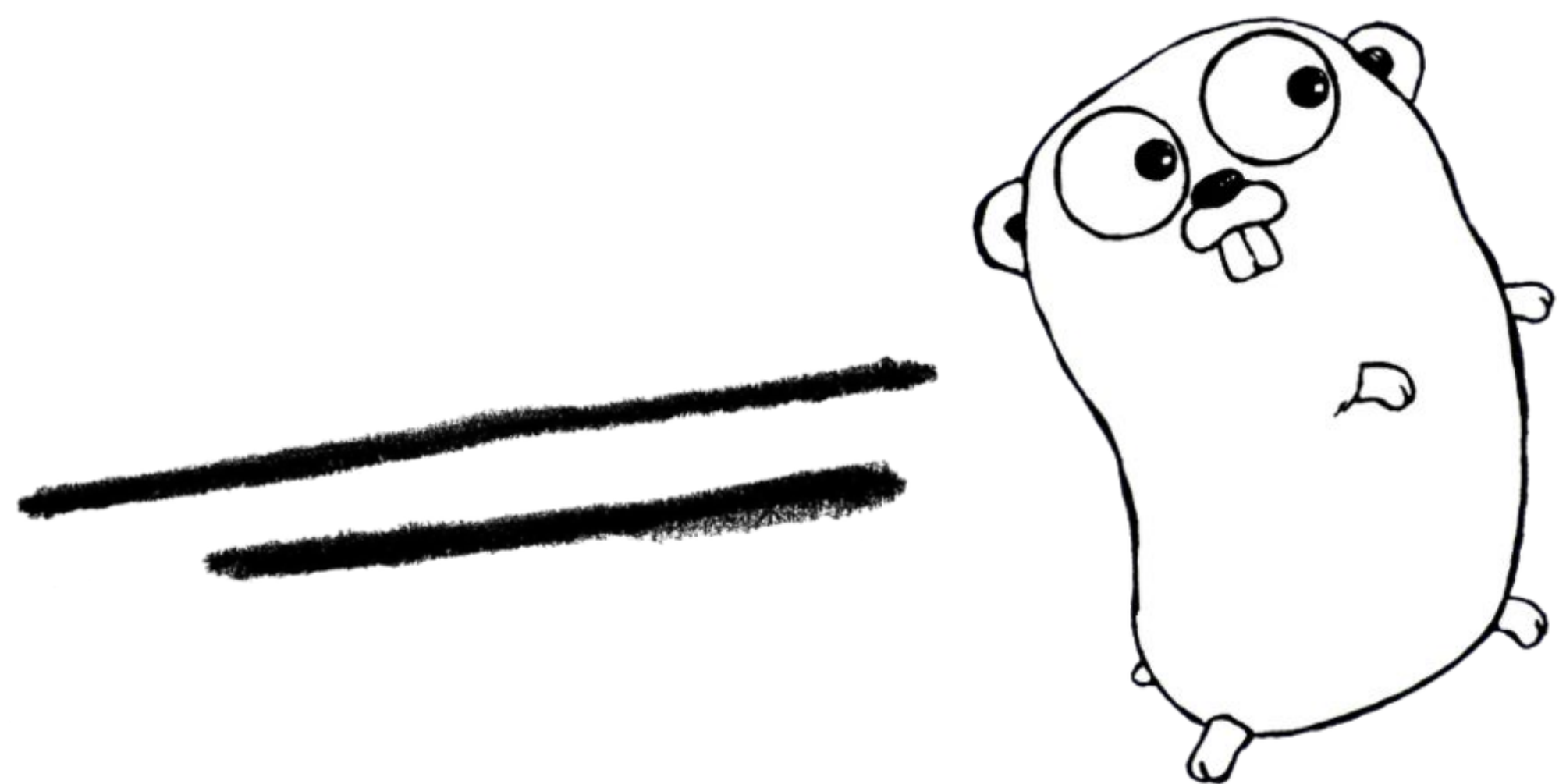
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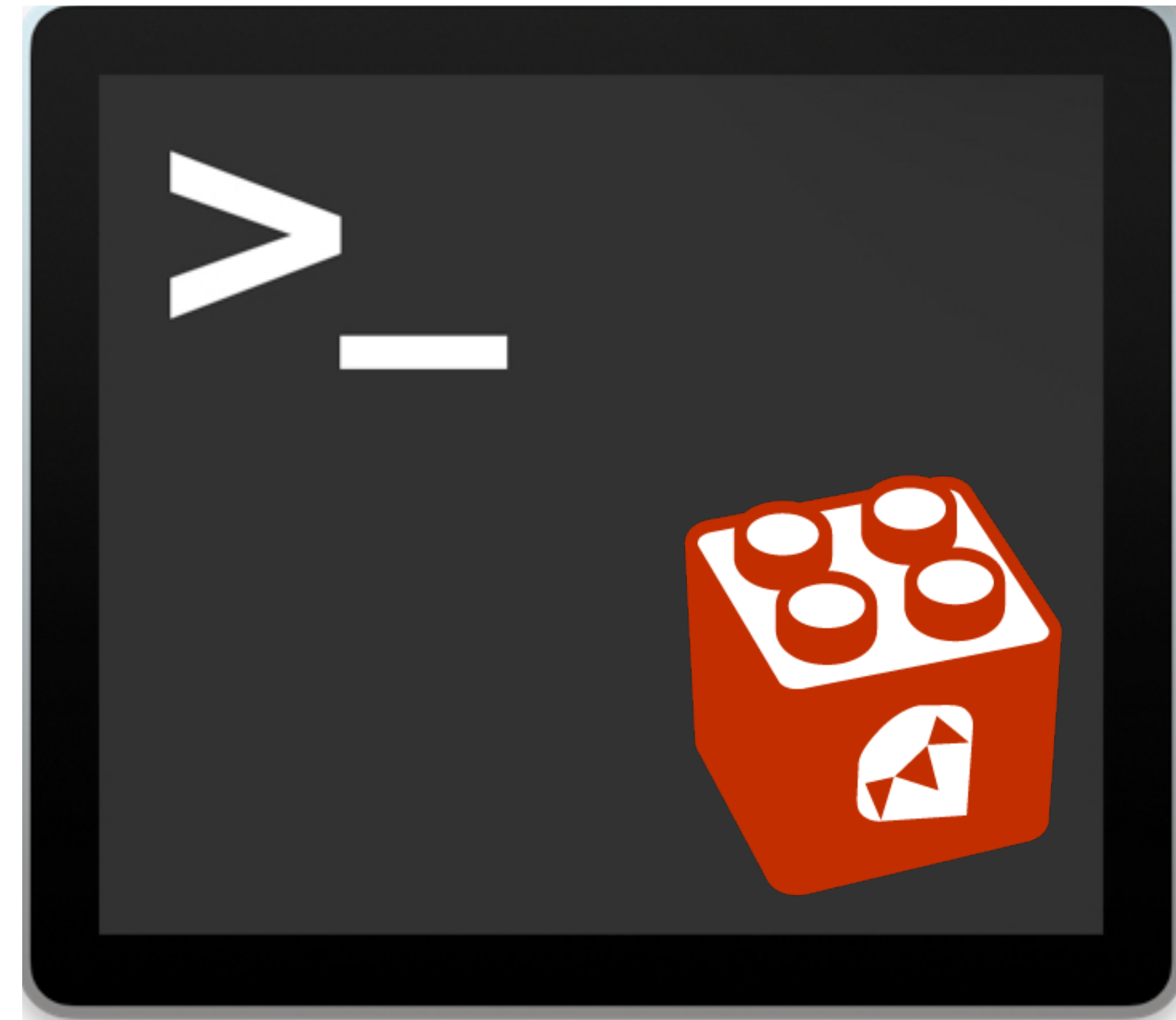


I feel
HAPPY!



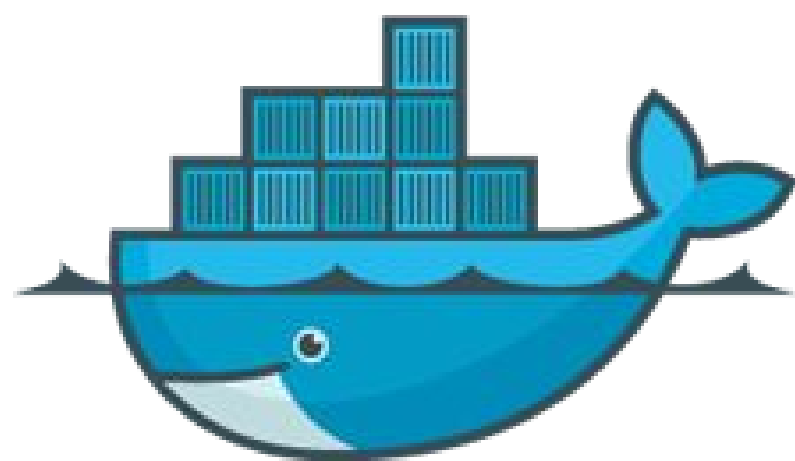


mruby-cli



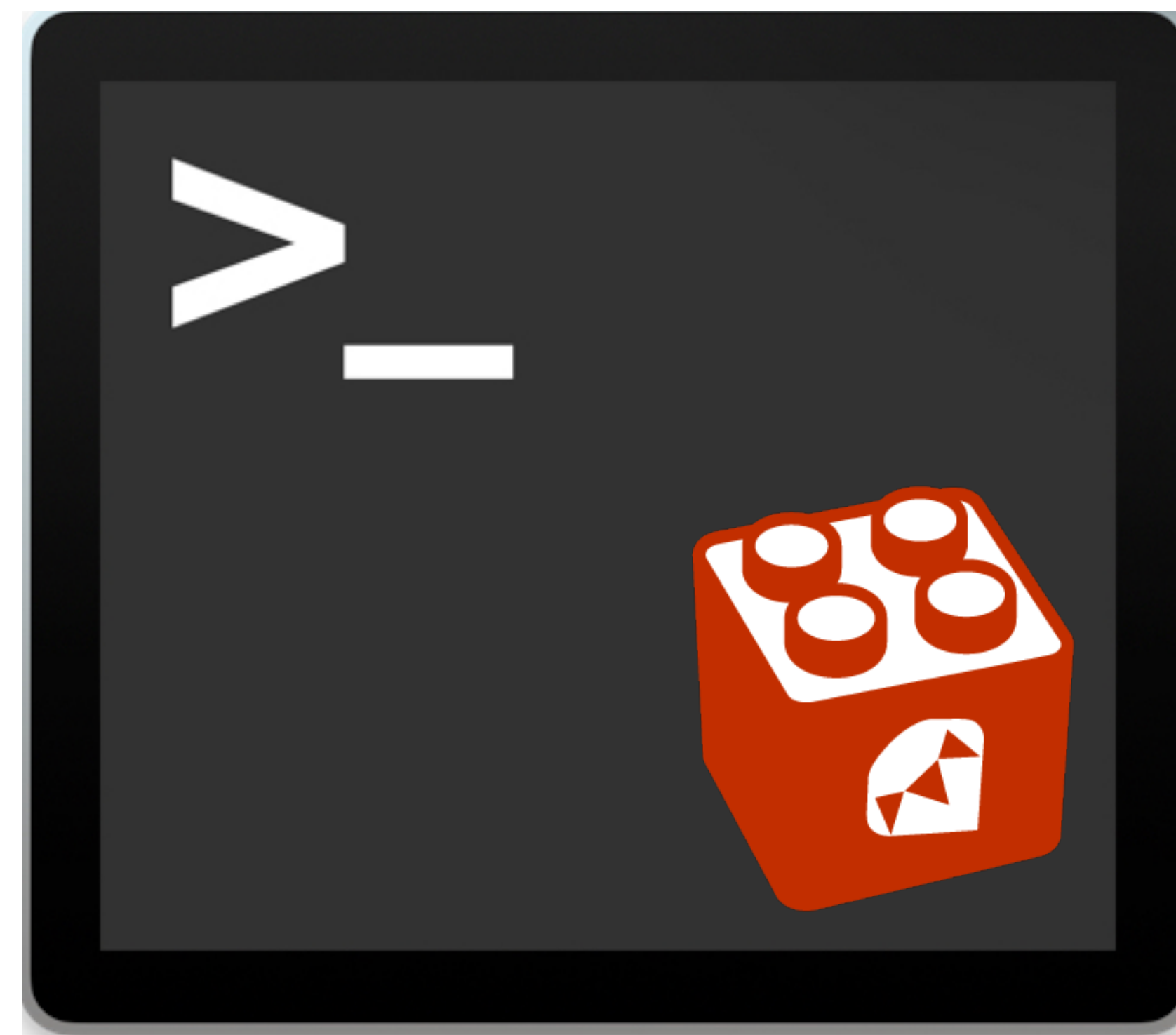


+



docker

=





mruby-cli



Ruby



Performance



No Require



Binary for each platform



Simple compile and release



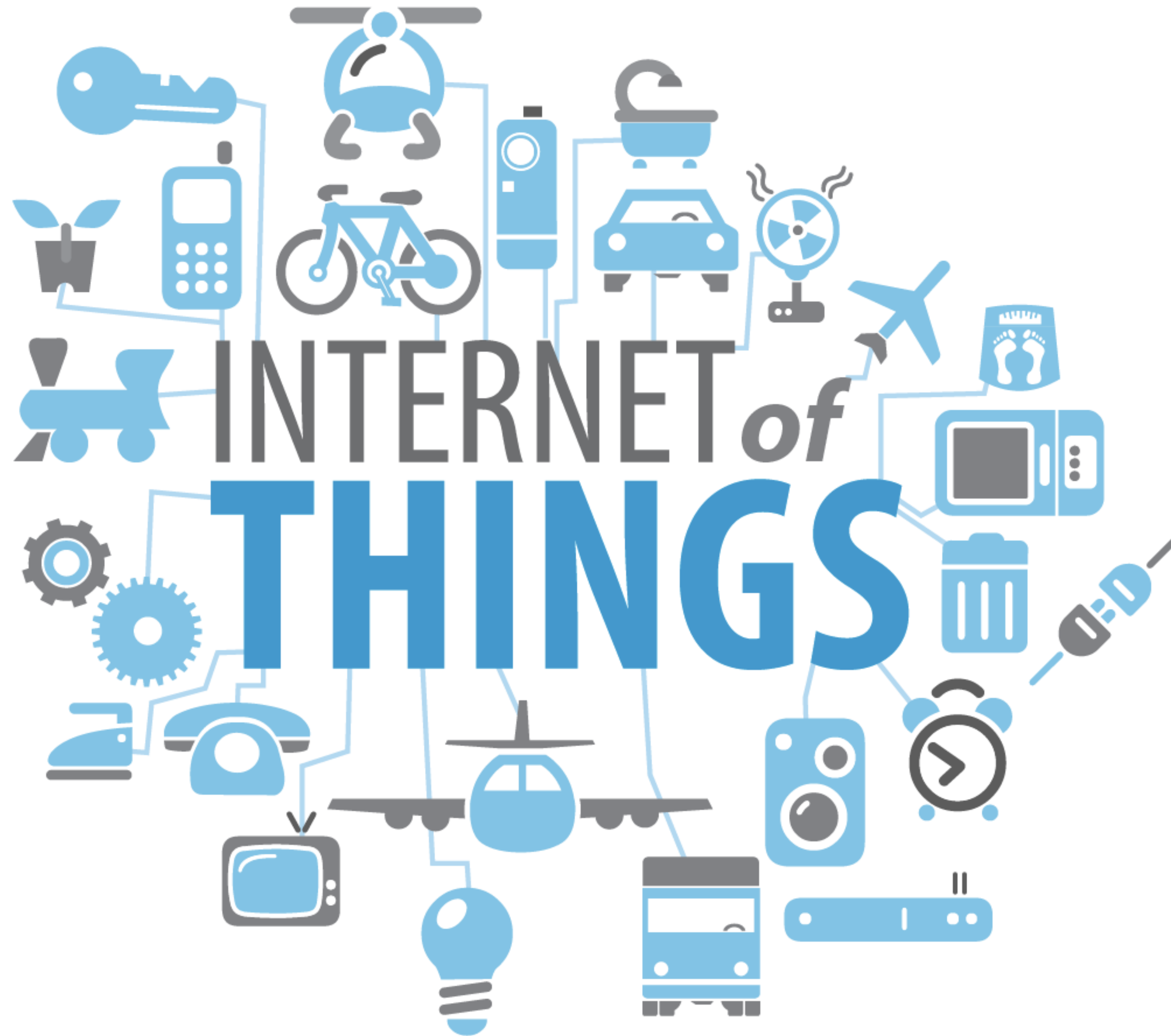
CLI apps framework

WHY?

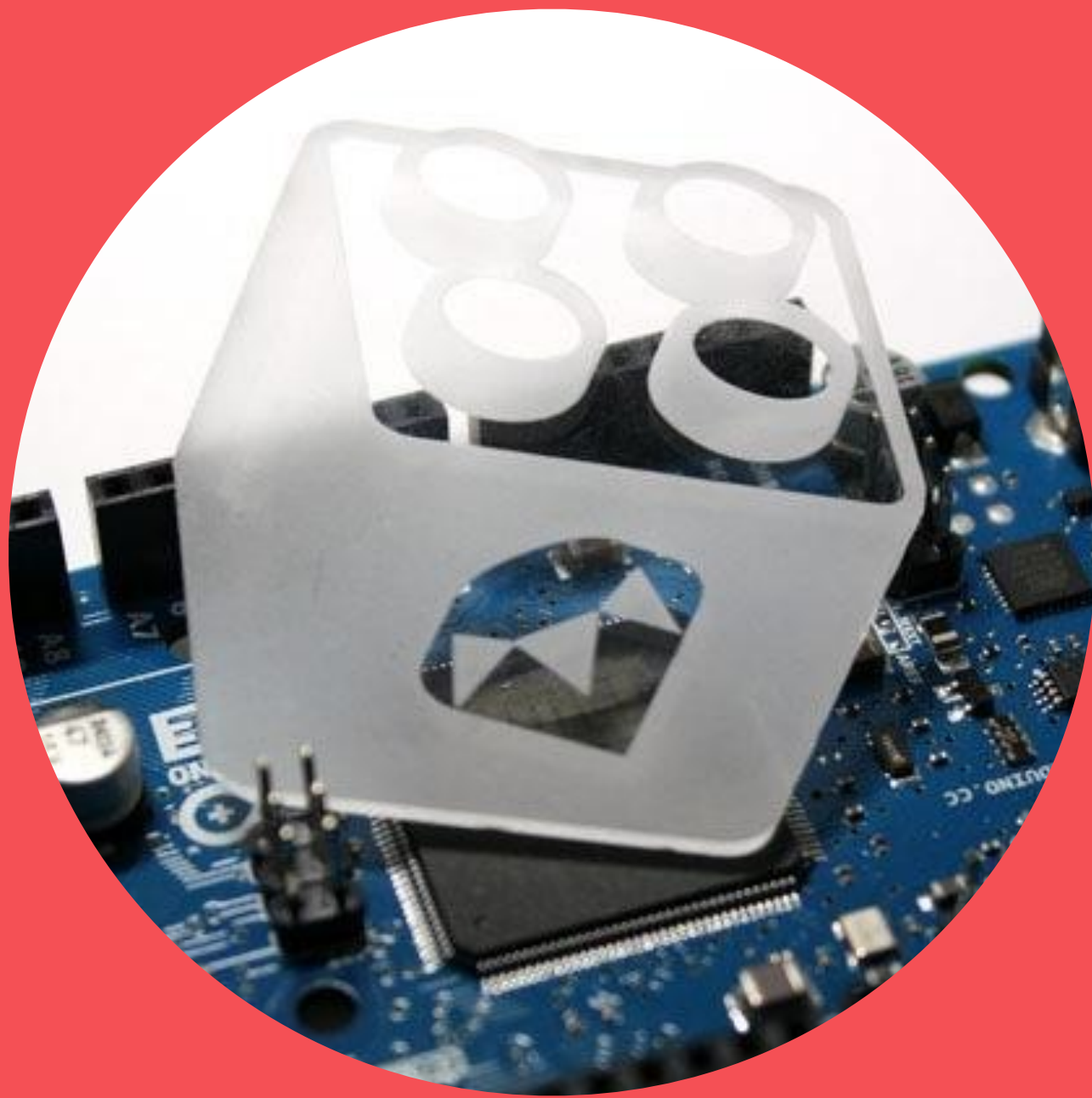


mruby



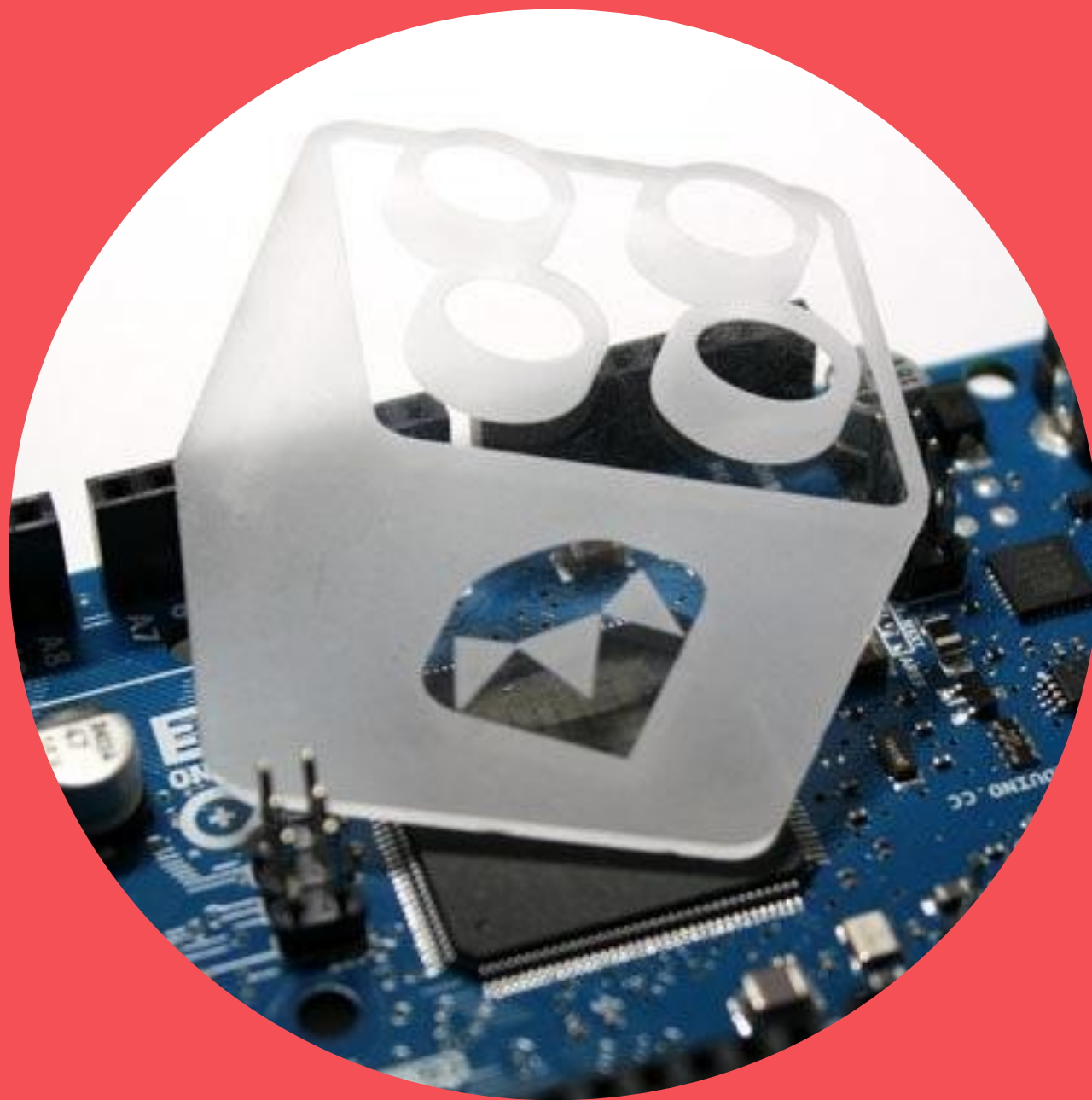


MRuby



ISO/IEC 30170:2012

MRuby

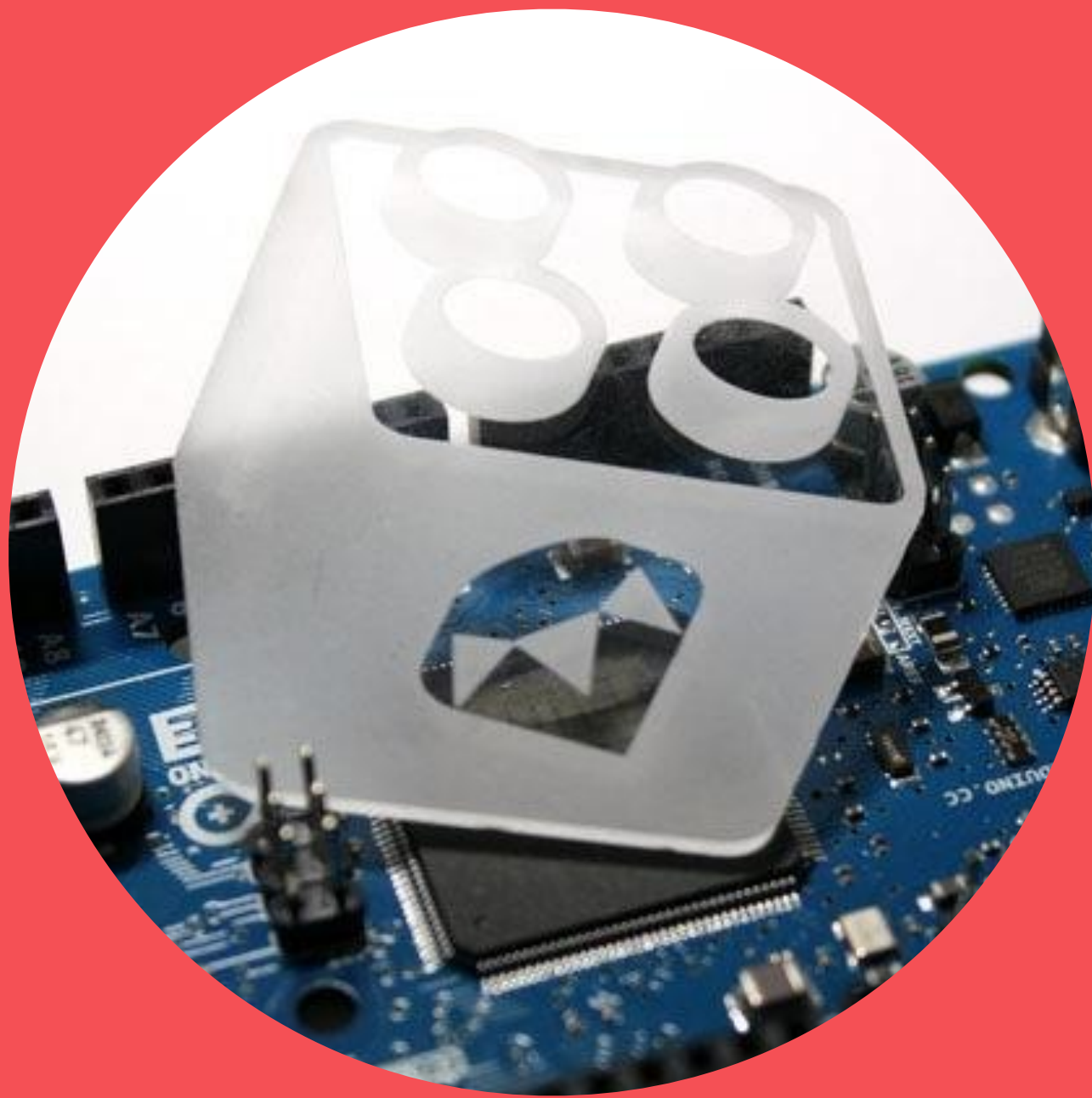


ISO/IEC 30170:2012



Ruby 1.9.3 / 2.1 Syntax

MRuby



ISO/IEC 30170:2012

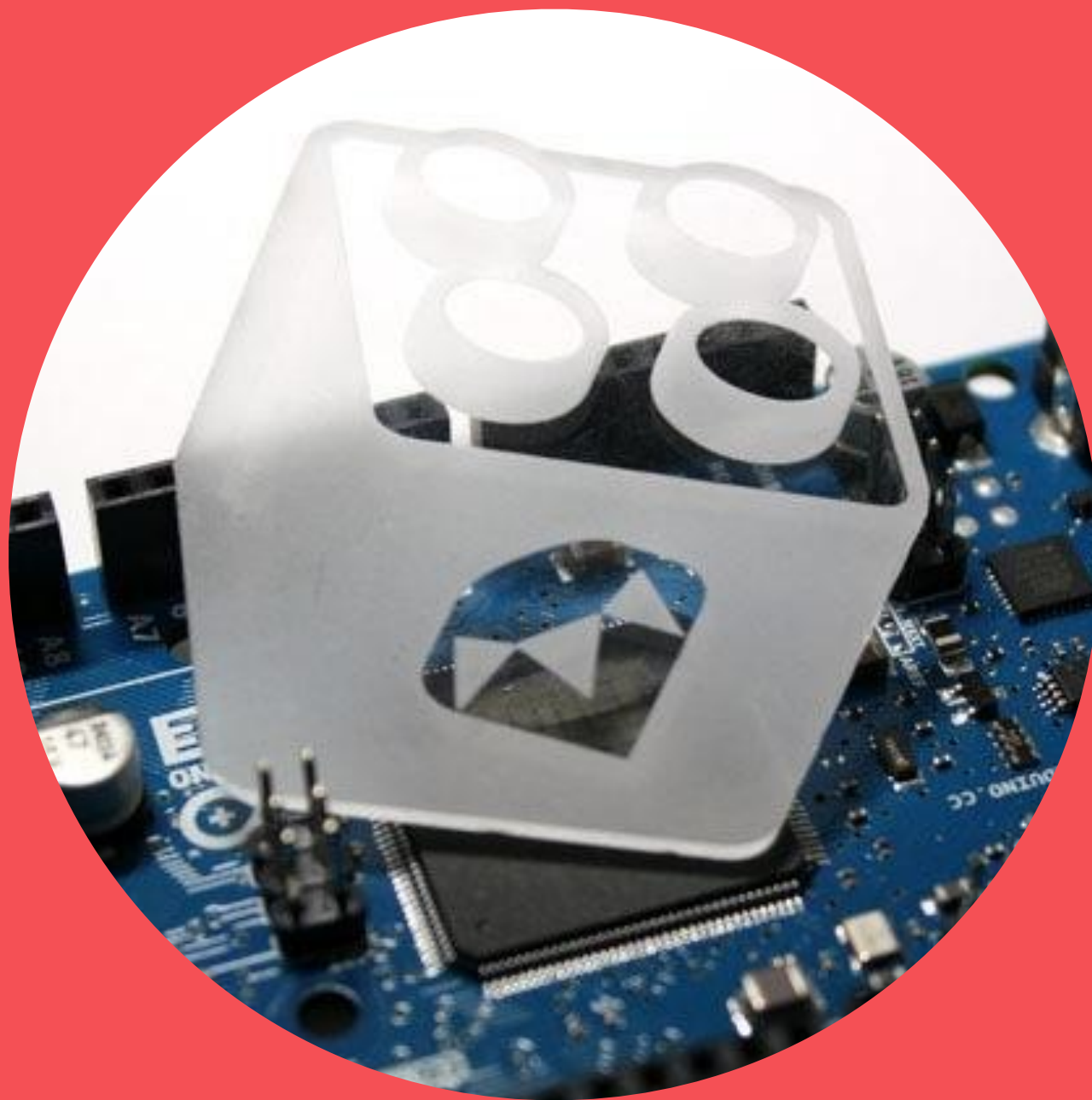


Ruby 1.9.3 / 2.1 Syntax



No built-in IO/Thread/stdlib

MRuby



ISO/IEC 30170:2012



Ruby 1.9.3 / 2.1 Syntax

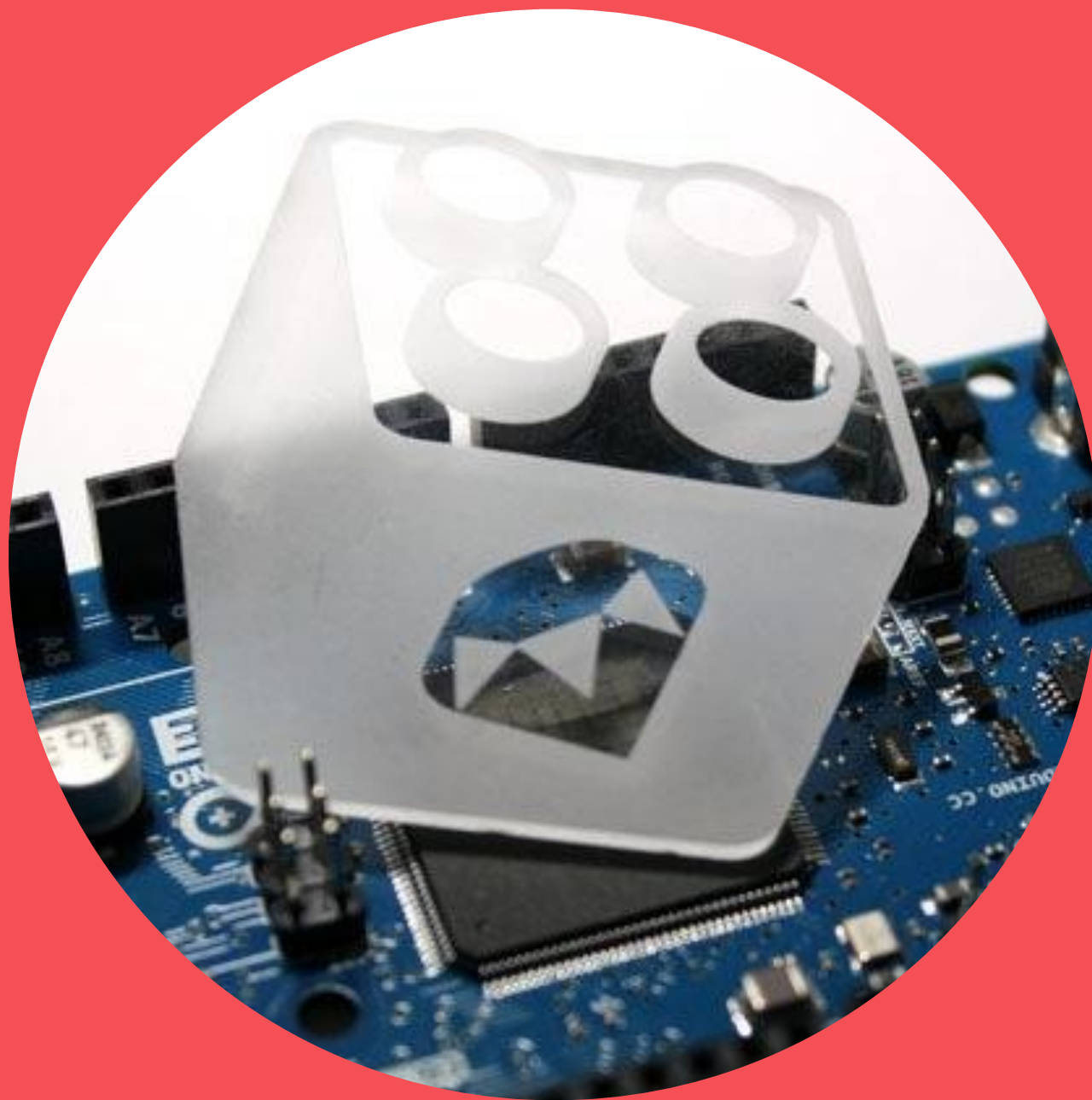


No built-in IO/Thread/stdlib



Cross-compilation / ANSI C

MRuby



ISO/IEC 30170:2012



Ruby 1.9.3 / 2.1 Syntax



No built-in IO/Thread/stdlib



Cross-compilation / ANSI C



No gems, but mrbgems

runtime

Operation System

runtime

SDK / Dynlib

Operation System

runtime

MRuby VM

SDK / Dynlib

Operation System

runtime

MRuby VM

Mrbgem

SDK / Dynlib

Operation System

runtime

MRuby App

MRuby App

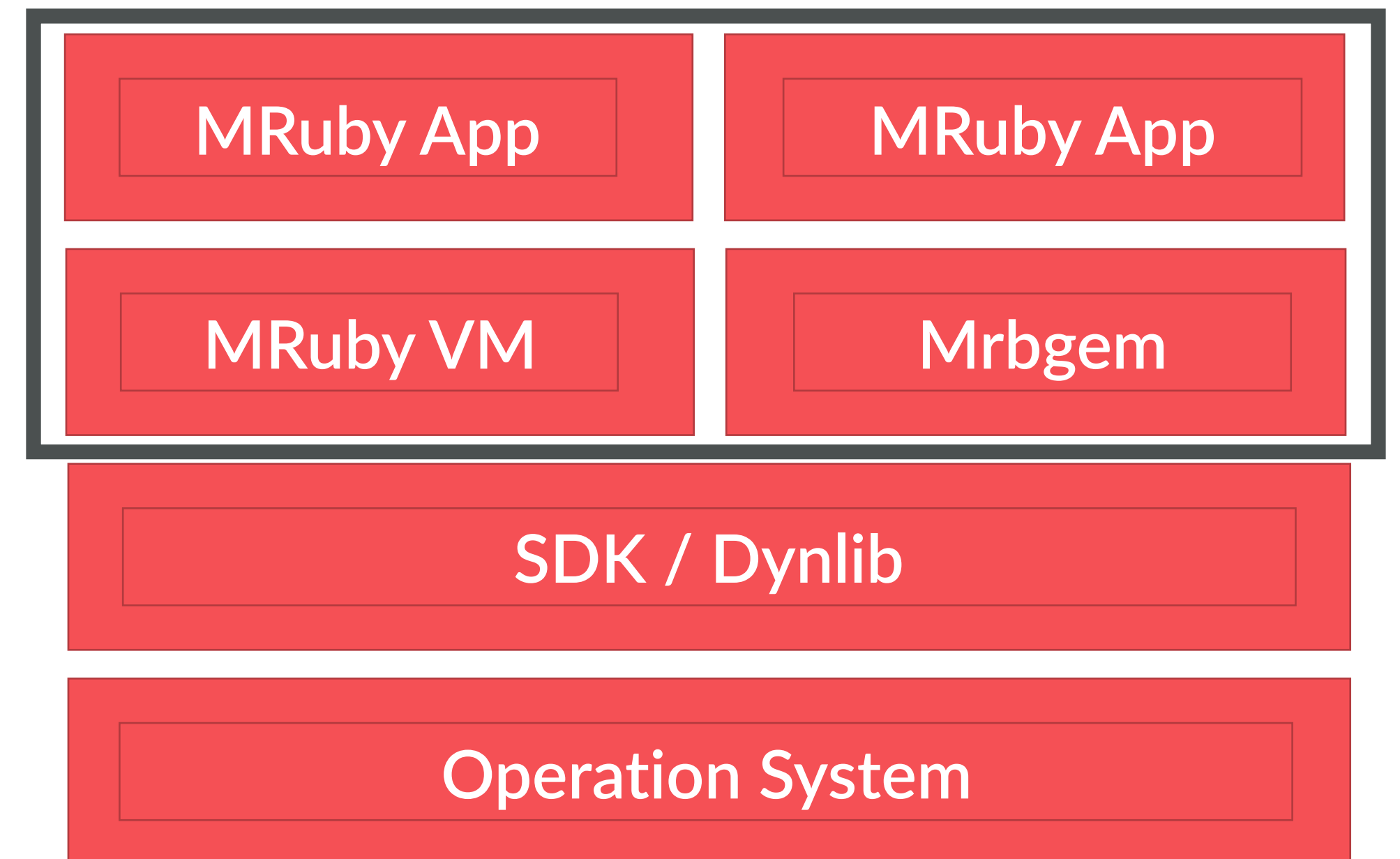
MRuby VM

Mrbgem

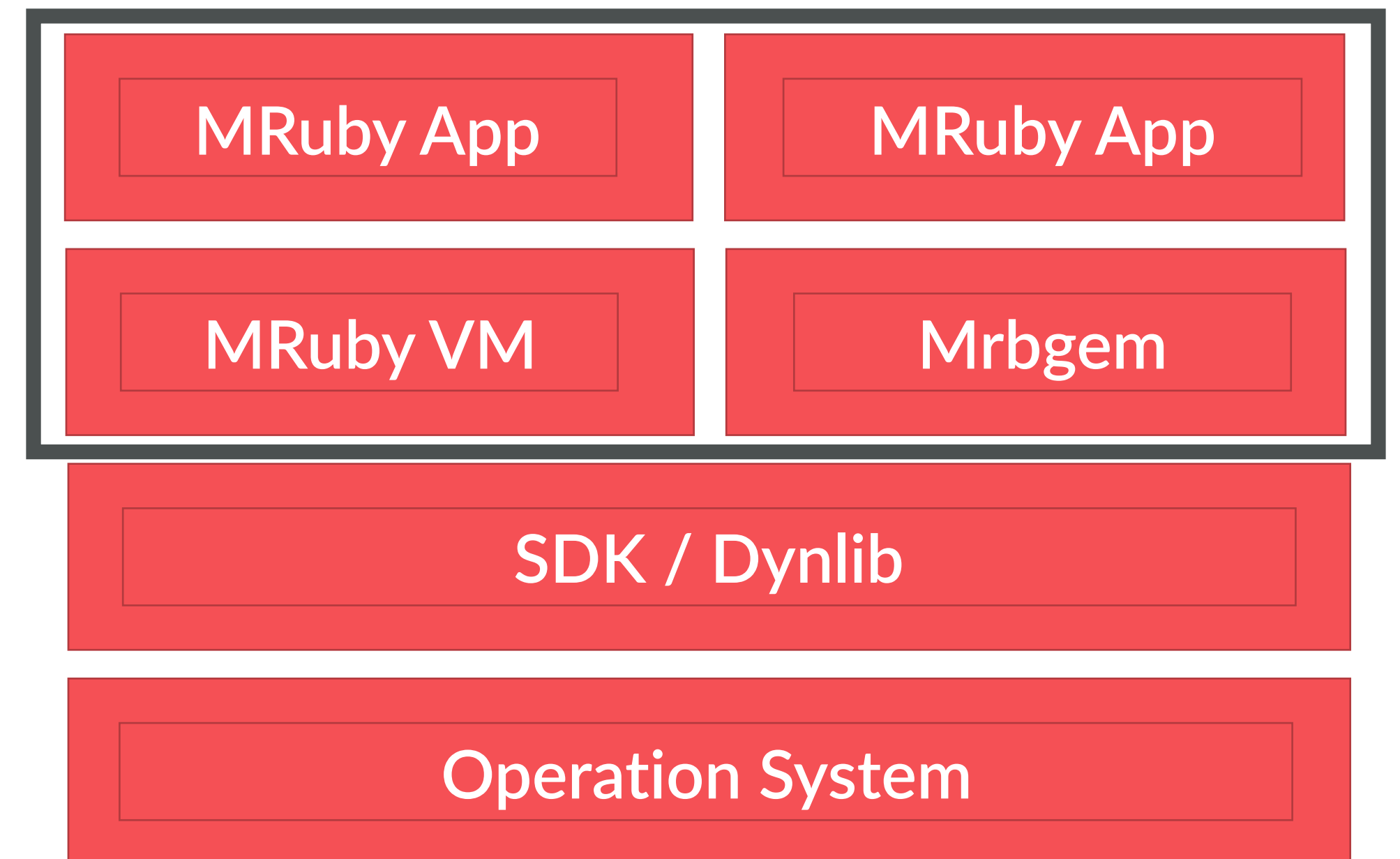
SDK / Dynlib

Operation System

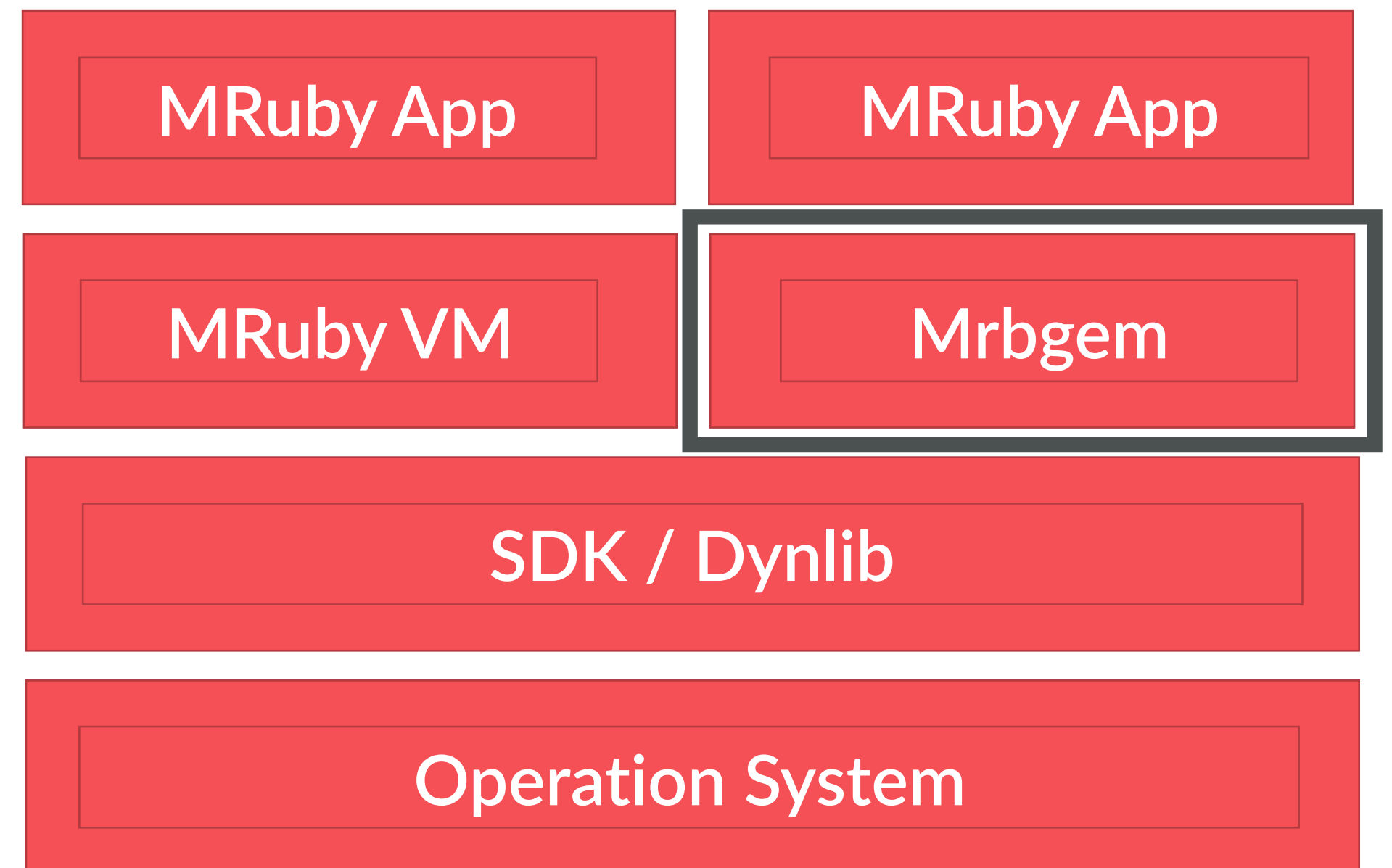
runtime



static



mrbgem



```
$ cd mruby-print/
$ ls
mrbgem.rake  mrblib      src
$ cat mrbgem.rake
MRuby::Gem::Specification.new( 'mruby-print' ) do |spec|
  spec.license = 'MIT'
  spec.author  = 'mruby developers'
  spec.summary = 'standard print/puts/p'
end
```

```
$ cd mruby-print/  
$ ls  
mrbgem.rake mrblib          src  
$ cat mrbgem.rake  
MRuby::Gem::Specification.new( 'mruby-print' ) do |spec|  
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```

```
$ cd mruby-print/
```

```
$ ls
```

```
mrbgem.rake mrblib src
```

```
$ cat mrbgem.rake
```

```
MRuby::Gem::Specification.new( 'mruby-print' ) do |spec|
```

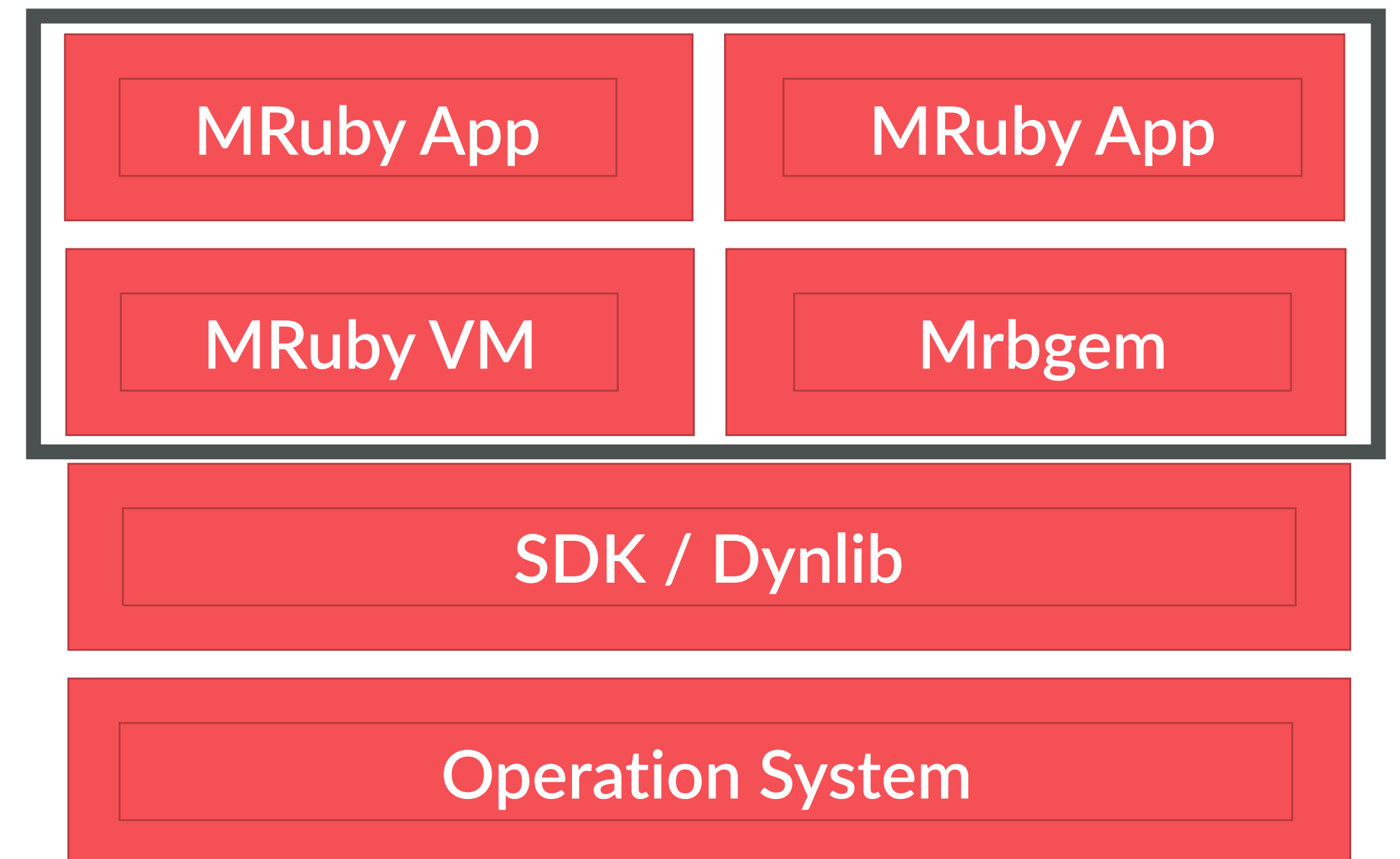
```
  spec.license = 'MIT'
```

```
  spec.author  = 'mruby developers'
```

```
  spec.summary = 'standard print/puts/p'
```

```
end
```

runtime



```
$ echo "puts 'Hello GURU-SP' " >> guru.rb
$ mrbc guru.rb
$ hexdump -C guru.mrb
00000000  52 49 54 45 30 30 30 33  0e 93 00 00 00 67 4d 41 |RITE0003.....gMA|
00000010  54 5a 30 30 30 30 49 52  45 50 00 00 00 49 30 30 |TZ0000IREP...I00|
00000020  30 30 00 00 00 41 00 01  00 04 00 00 00 00 00 04 |00...A.....|
00000030  00 80 00 06 01 00 00 3d  00 80 00 a0 00 00 00 4a |.....=.....J|
00000040  00 00 00 01 00 00 0d 48  65 6c 6c 6f 20 47 55 52 |.....Hello GUR|
00000050  55 2d 53 50 00 00 00 01  00 04 70 75 74 73 00 45 |U-SP.....puts.E|
00000060  4e 44 00 00 00 00 08                                |ND.....|
00000067
$ mruby -b guru.mrb
Hello GURU-SP
```

```
$ echo "puts 'Hello GURU-SP'" >> guru.rb
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$ hexdump -C guru.mrb
00000000  52 49 54 45 30 30 30 33  0e 93 00 00 00 67 4d 41 |RITE0003.....gMA|
00000010  54 5a 30 30 30 30 49 52  45 50 00 00 00 49 30 30 |TZ0000IREP...I00|
00000020  30 30 00 00 00 41 00 01  00 04 00 00 00 00 00 04 |00...A.....|
00000030  00 80 00 06 01 00 00 3d  00 80 00 a0 00 00 00 4a |.....=.....J|
00000040  00 00 00 01 00 00 0d 48  65 6c 6c 6f 20 47 55 52 |.....Hello GUR|
00000050  55 2d 53 50 00 00 00 01  00 04 70 75 74 73 00 45 |U-SP.....puts.E|
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```
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```

```
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```

00000000	52	49	54	45	30	30	30	33	0e	93	00	00	00	67	4d	41	RITE0003.....gMA
00000010	54	5a	30	30	30	30	49	52	45	50	00	00	00	49	30	30	TZ0000IREP...I00
00000020	30	30	00	00	00	41	00	01	00	04	00	00	00	00	00	04	00...A.....
00000030	00	80	00	06	01	00	00	3d	00	80	00	a0	00	00	00	4a	=.....J
00000040	00	00	00	01	00	00	0d	48	65	6c	6c	6f	20	47	55	52	Hello GUR
00000050	55	2d	53	50	00	00	00	01	00	04	70	75	74	73	00	45	U-SP.....puts.E
00000060	4e	44	00	00	00	00	08										ND.....
00000067																	

```
$ mruby -b guru.mrb
```

```
Hello GURU-SP
```

```
guru[ ] = {  
0x45,0x54,0x49,0x52,0x30,0x30,0x30,0x33,0x78,0xfb,0x00,0x00,0x00,0x67,0x4d,0x41,  
0x54,0x5a,0x30,0x30,0x30,0x30,0x49,0x52,0x45,0x50,0x00,0x00,0x00,0x49,0x30,0x30,  
0x30,0x30,0x00,0x00,0x00,0x41,0x00,0x01,0x00,0x04,0x00,0x00,0x00,0x00,0x00,0x04,  
0x06,0x00,0x80,0x00,0x3d,0x00,0x00,0x01,0xa0,0x00,0x80,0x00,0x4a,0x00,0x00,0x00,  
0x00,0x00,0x00,0x01,0x00,0x00,0x0d,0x48,0x65,0x6c,0x6c,0x6f,0x20,0x47,0x55,0x52,  
0x55,0x2d,0x53,0x50,0x00,0x00,0x00,0x01,0x00,0x04,0x70,0x75,0x74,0x73,0x00,0x45,  
0x4e,0x44,0x00,0x00,0x00,0x00,0x08,  
};
```

```
int main(void)
{
    mrb_state *mrb = mrb_open();
    mrbc_context *c;
    mrb_value v;
    c = mrbc_context_new(mrb);
    mrb_load_irep_cxt(mrb, guru, c);
    mrbc_context_free(mrb, c);
    return 0;
}
```

```
int main(void)
{
    mrb_state *mrb = mrb_open();
    mrbc_context *c;
    mrb_value v;
    c = mrbc_context_new(mrb);
    mrb_load_irep_cxt(mrb, guru, c);
    mrbc_context_free(mrb, c);
    return 0;
}
```

```
$ gcc -o guru guru.c -I mruby/include  
mruby/build/host/lib/libmruby.a
```

```
$ ./guru
```

```
Hello GURU-SP
```

```
$ gcc -o guru guru.c -I mruby/include  
mruby/build/host/lib/libmruby.a
```

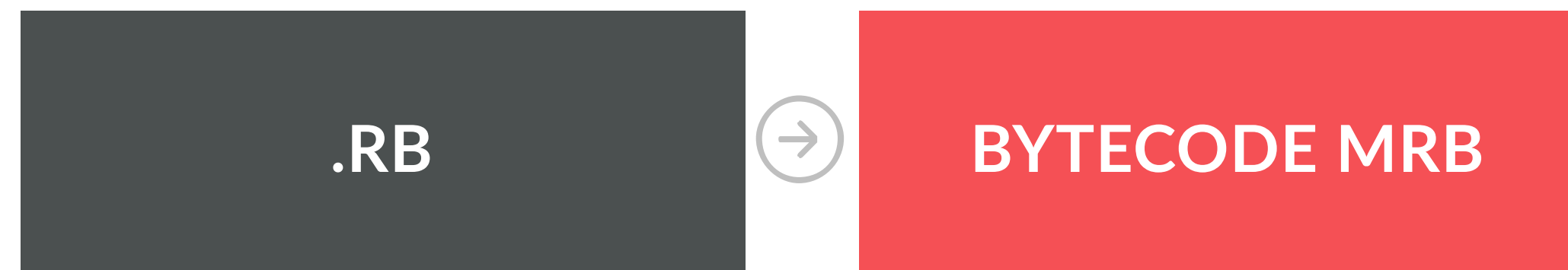
```
$ ./guru
```

```
Hello GURU-SP
```

Review

.RB

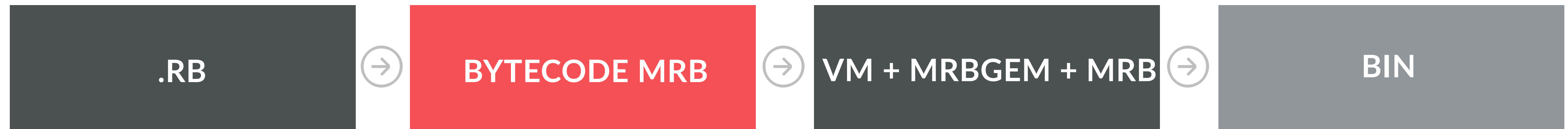
Review



Review



Review



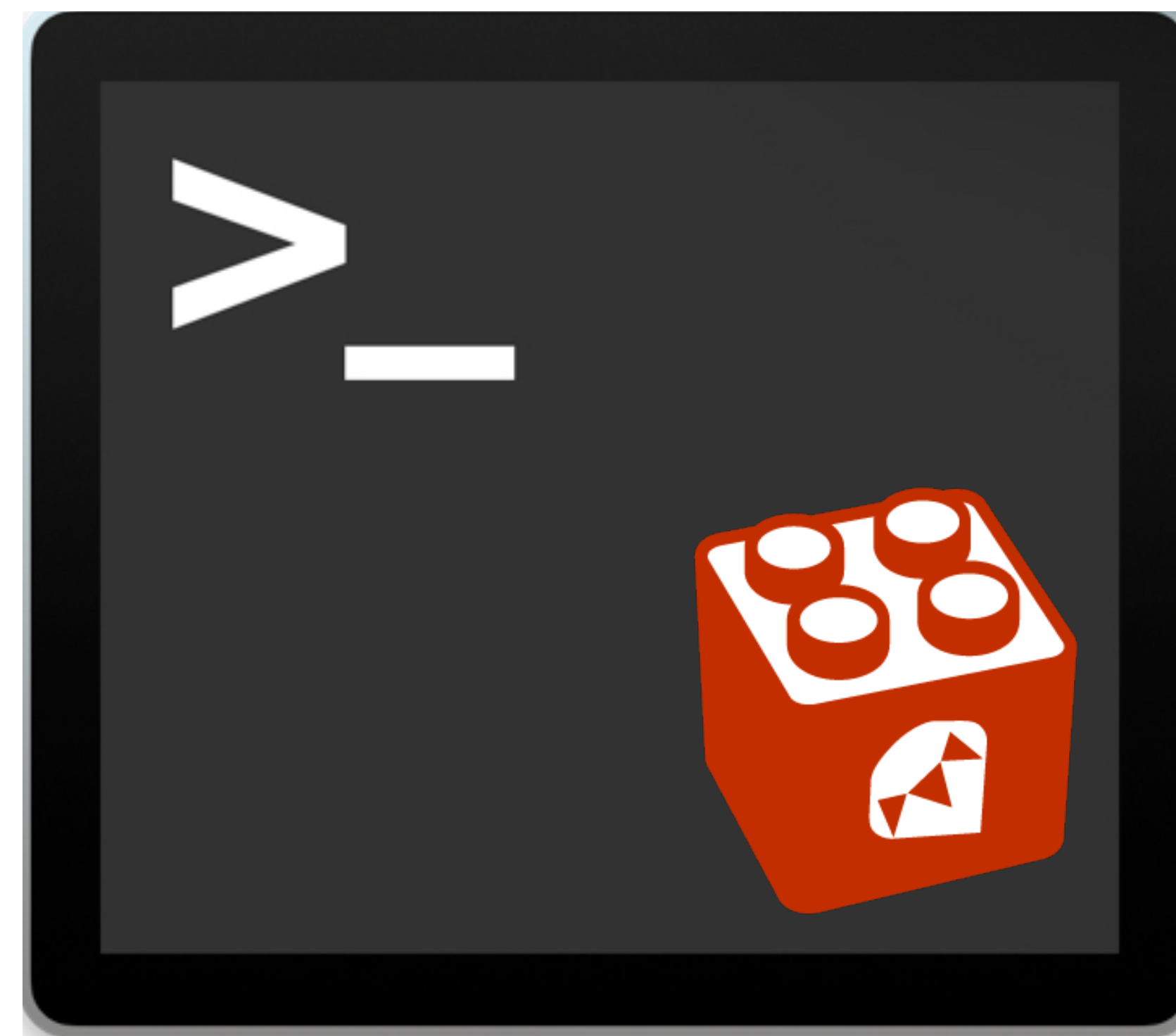


+



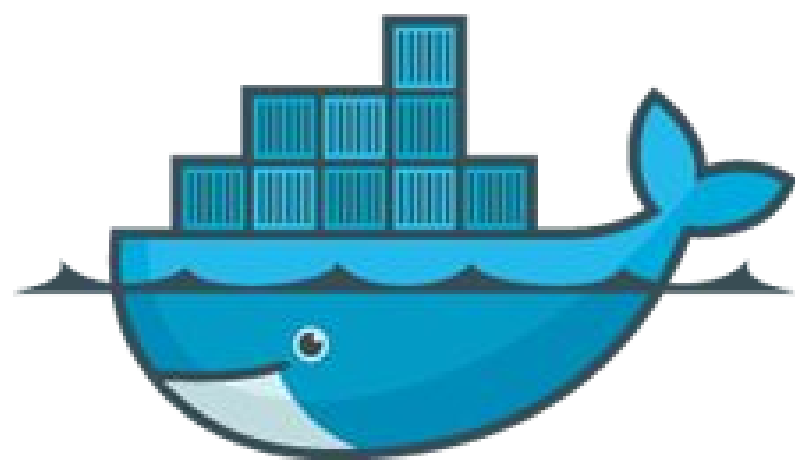
docker

=

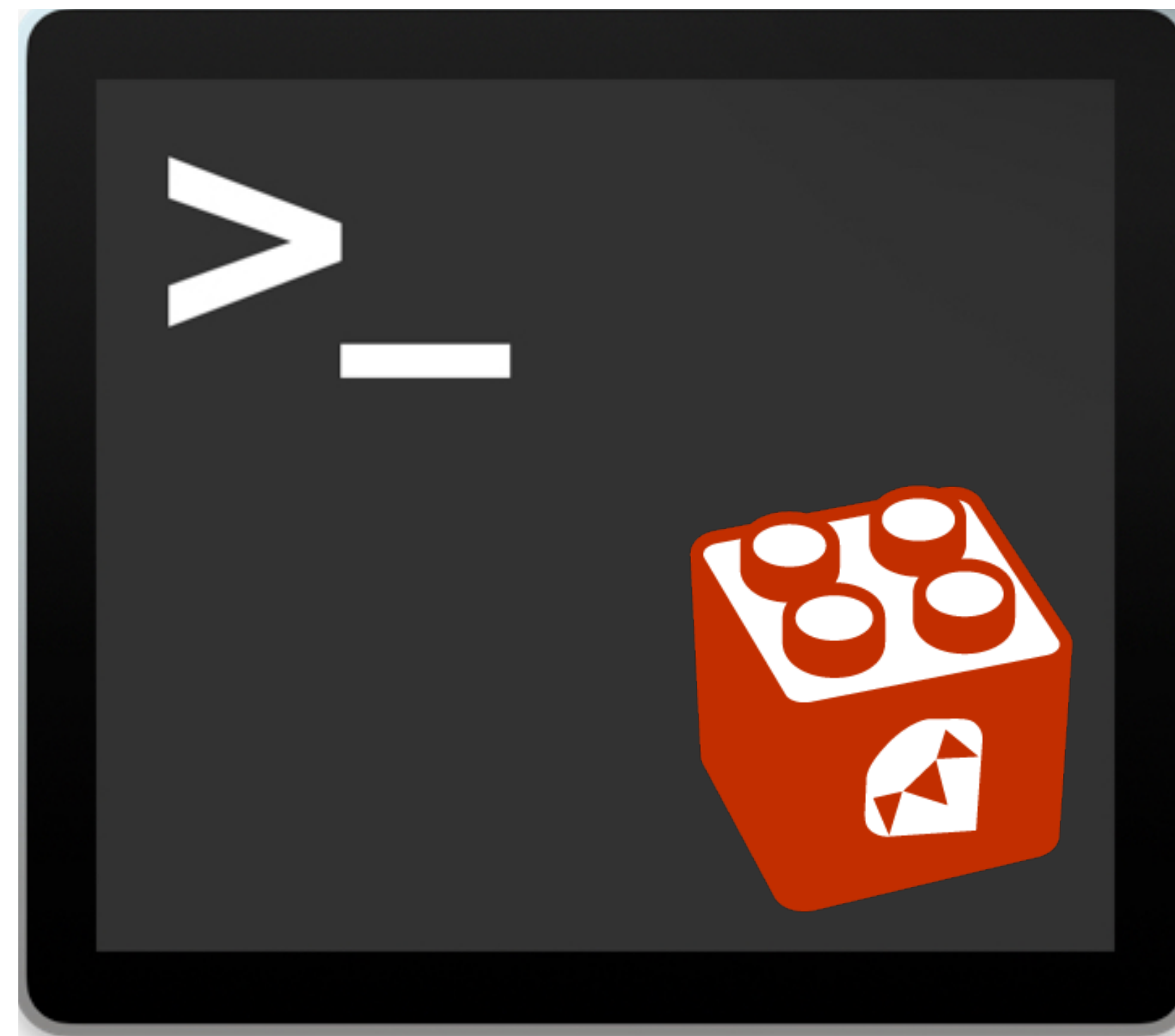


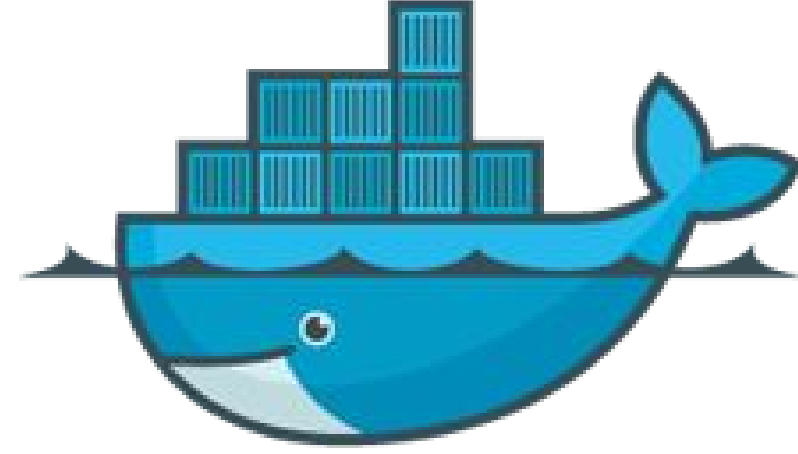


mruby



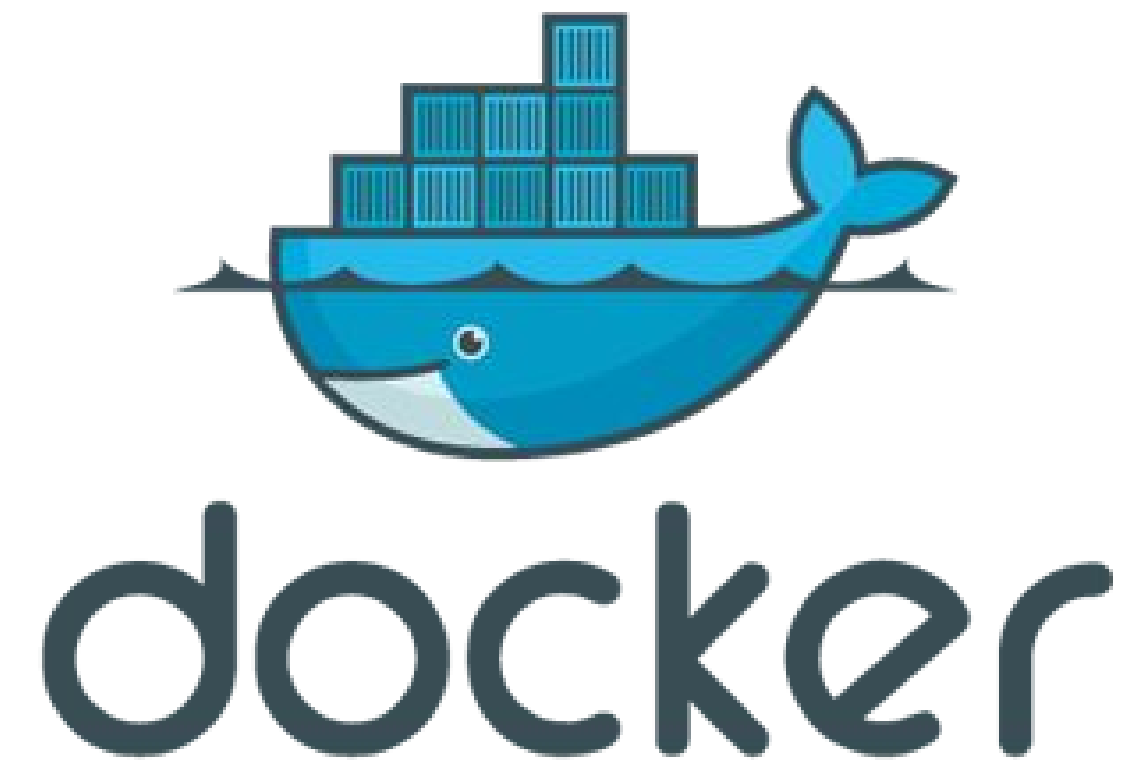
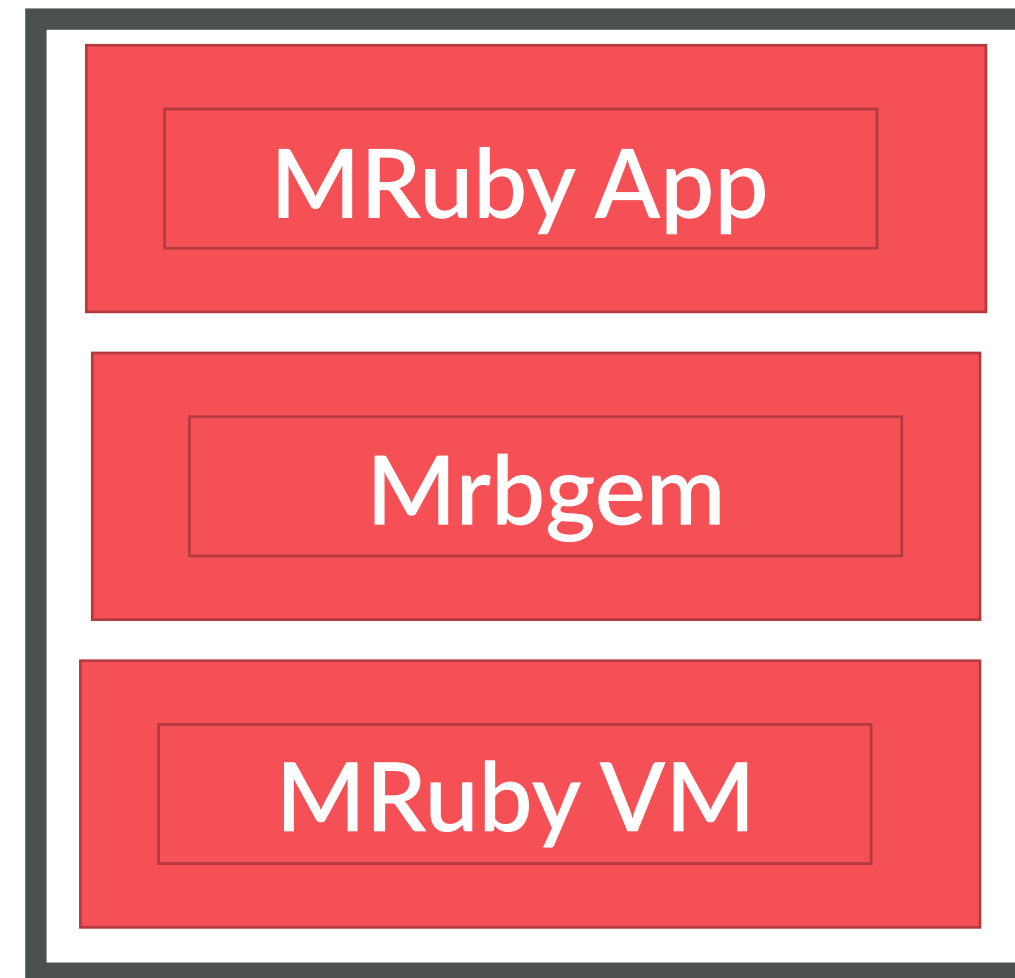
docker



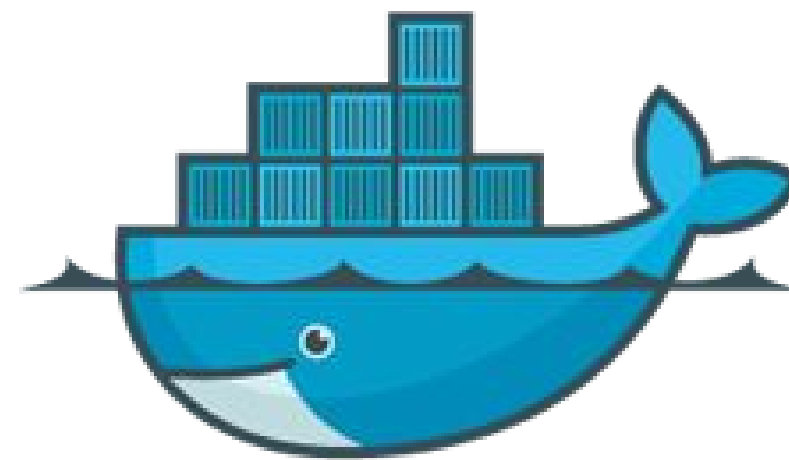
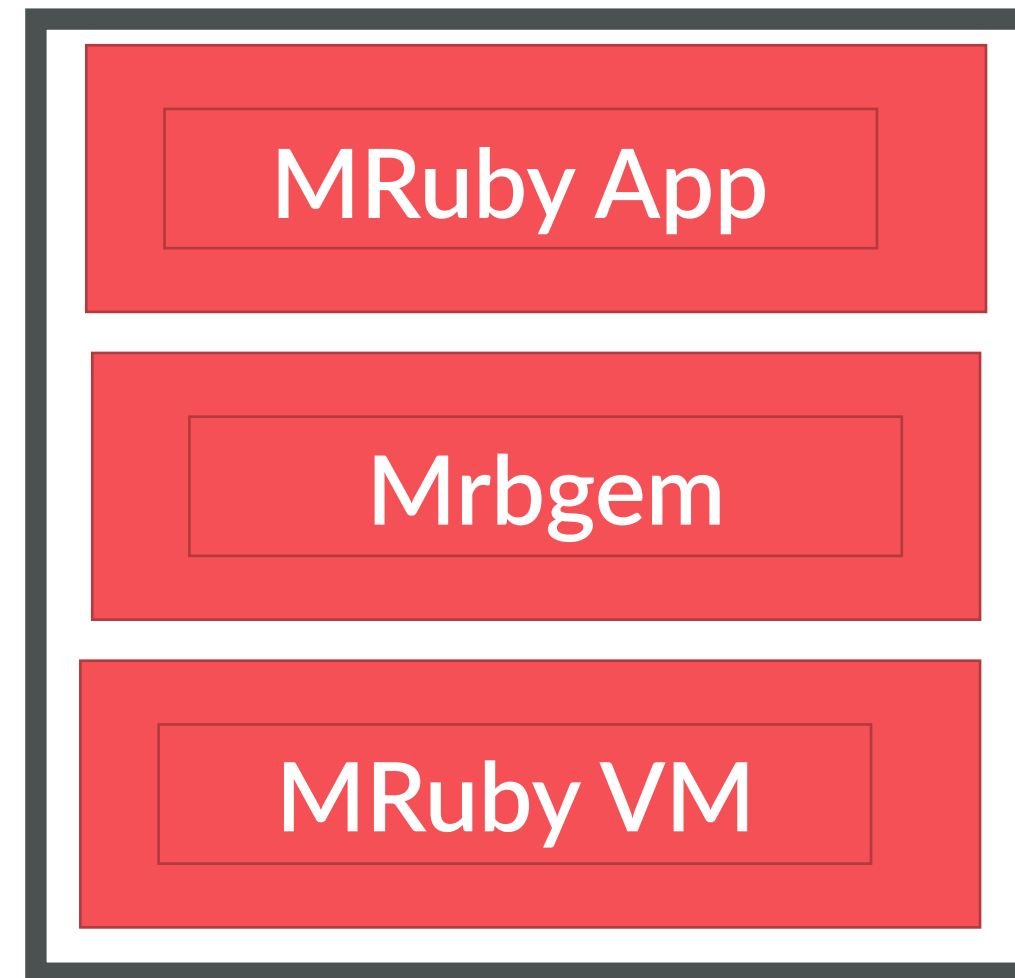


docker

Cross Compilation

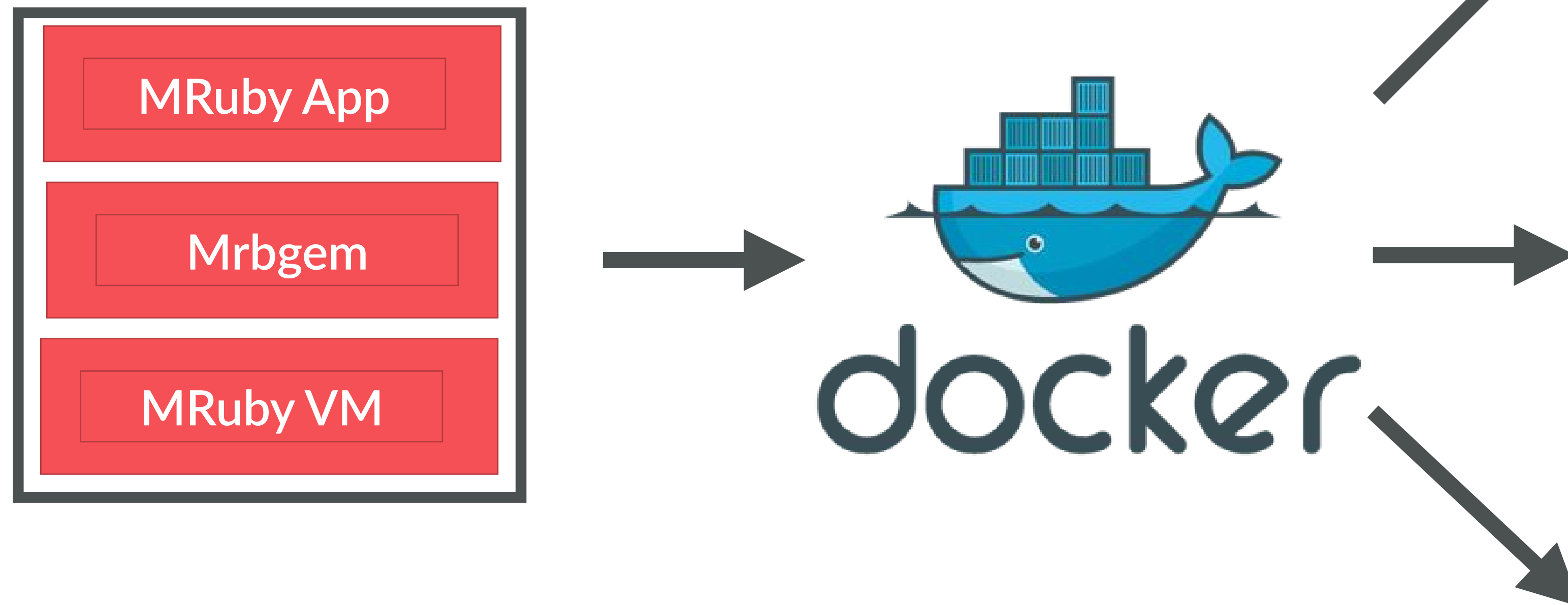


Cross Compilation

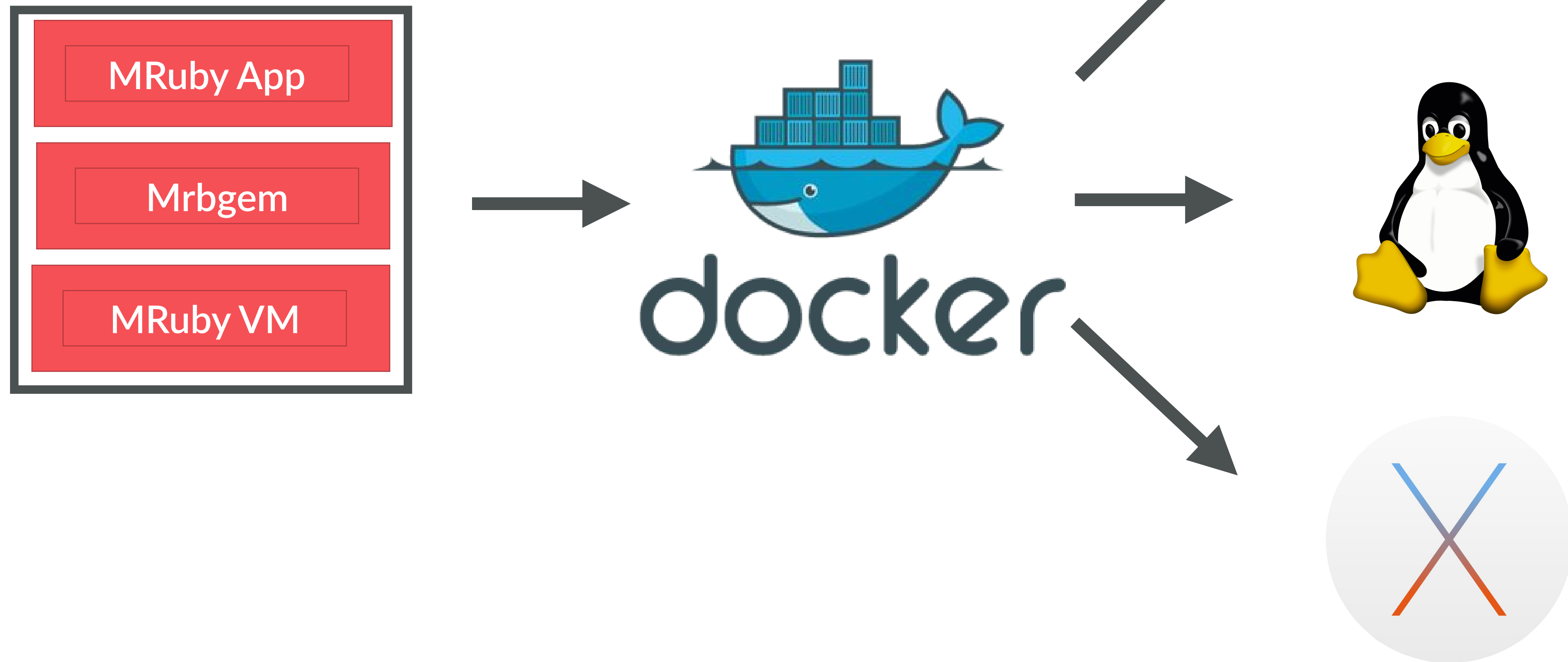


docker

Cross Compilation



Cross Compilation



PUBLIC REPOSITORY

hone/mruby-cli

Last pushed: 4 months ago

Repo Info [Tags](#)

Short Description

building mruby cli apps

Full Description

Full description is empty for this repo.

Docker Pull Command

```
docker pull hone/mruby-cli
```

Owner



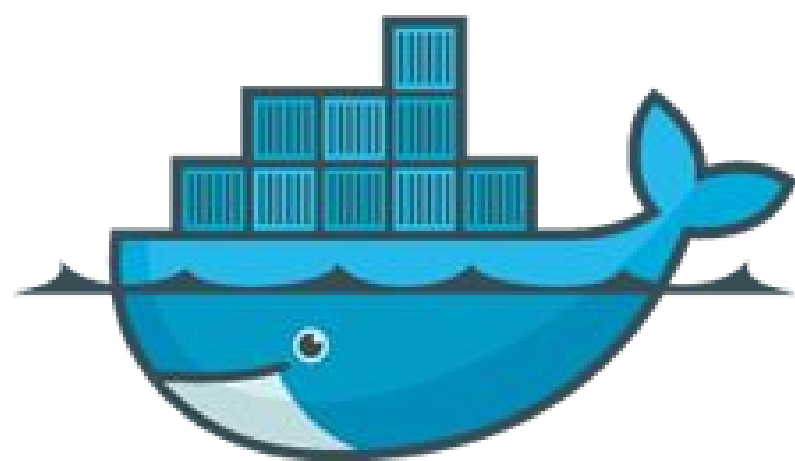
hone

Comments (0)

Add Comment

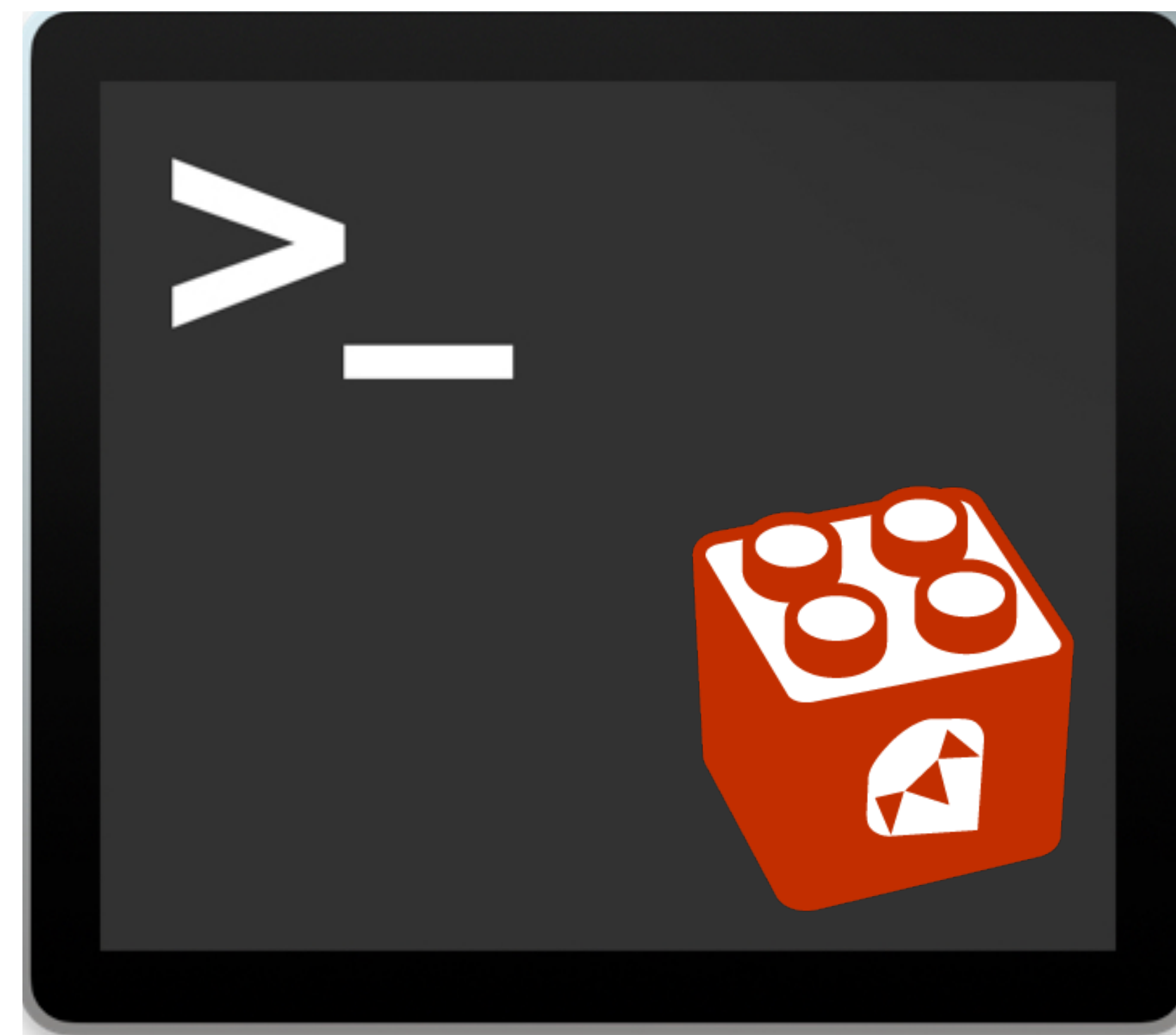


+



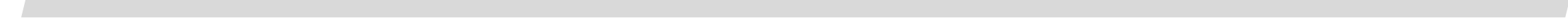
docker

=



DEMO

<https://github.com/scalone/guru41>



TIPS



<> Code

Issues 0

Pull requests 0

Wiki

Pulse

Graphs

simple memory profiler for mruby

6 commits

1 branch

0 releases

2 contributors

Branch: master

New pull request

Create new file

Upload files

Find file

Clone or download

tsahara Merge pull request #1 from baldowl/include-string			Latest commit 8a4ebc3 on Feb 24
src	fix use-after-free.		2 years ago
tools/mruby-memprof	Added missing header; fix compilation with 1.2.0.		8 months ago
README.md	Update README.md		2 years ago
mrbgem.rake	initial commit.		2 years ago

README.md

mruby-memprof

mruby-memprf is a simple memory profiler for mruby.

mruby-memprof

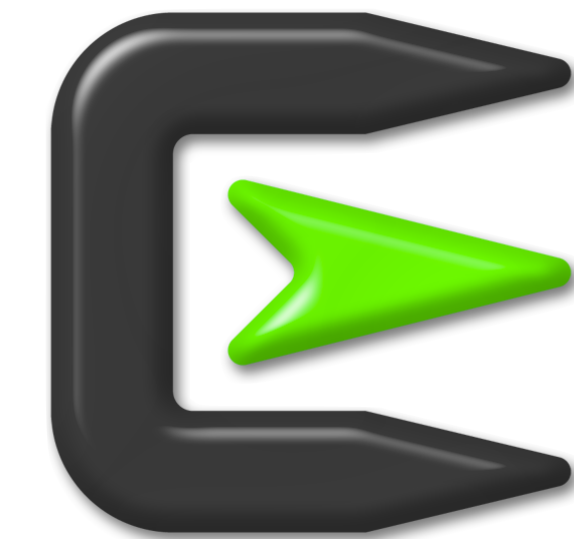
number of malloc calls:	6480	
number of realloc calls:	0	
number of free calls:	1436	
number of free(!NULL) calls:	334	
number of free(NULL) calls:	1102	
total size of allocated memory:	689710	bytes
current number of allocated objects:	6146	
current size of allocated memory:	611230	bytes

Windows

Windows



Windows



Windows





@scalone

**DAFUNK, OPEN SOURCE RUBY
FRAMEWORK FOR IOT**



We're hiring
thiago@cloudwalk.io

@scalone

Thank you

THIAGO SCALONE - thiago@scalone.com.br
