# Ruby Version Manager (RVM)

Friday, February 10, 12

# Why RVM?

- install and update ruby versions
- easily manage multiple versions of ruby
- create and manage gemsets

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#### installation

\$ bash -s stable < <(curl -s
https://raw.github.com/wayneeseguin/
rvm/master/binscripts/rvm-installer)</pre>

that's too long...

just copy the line from <a href="http://beginrescueend.com/">http://beginrescueend.com/</a>

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### rvm requirements

```
S rvm requirements

Notes for Mac OS X 10.7.2, Xcode 4.2.

For MacRuby: Install LLVM first.

For JRuby: Install the JDK. See http://developer.apple.com/java/download/ # Current Java version "1.6.0_26"

For IronRuby: Install Mono >= 2.6

For Ruby 1.9.3: Install libksba # If using Homebrew, 'brew install libksba'

You can use & download osx-gcc-installer: https://github.com/kennethreitz/osx-gcc-installer

*** NOTE: Currently, Node.js is having issues building with osx-gcc-installer. The only fix is to install Xcode over osx-gcc-installer.

To use an RVM installed Ruby as default, instead of the system ruby:

rvm install 1.8.7 # installs patch 357: closest supported version
rvm system: rvm gemset export system.gems; rvm 1.8.7; rvm gemset import system.gems # migrate your gems
rvm alias create default 1.8.7

And reopen your terminal windows.

Xcode 4.2:

* is only supported by ruby 1.9.3+ using command line flag: --with-gcc=clong
* it breaks gems with native extensions, especially DB drivers.

Xcode 4.2 users - please be warmed -
in case of any compilation issues
* downgrode to Xcode 4.1
* or install oss-gcc-installer
and reinstall your rubies.

$
```

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#### install rubies

\$ rvm install 1.9.3

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### rvm list

```
$ rvm list

rvm rubies

jruby-1.6.5.1 [ x86_64 ]
 ruby-1.8.7-p352 [ i686 ]
 ruby-1.9.2-p290 [ x86_64 ]

=* ruby-1.9.3-p0 [ x86_64 ]

# => - current
# =* - current && default
# * - default
```

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#### rvm use

```
$ rvm use 1.9.3
Using /Users/matthew/.rvm/gems/ruby-1.9.3-p0
$ ruby -v
ruby 1.9.3p0 (2011-10-30 revision 33570) [x86_64-darwin11.2.0]
$ which ruby
/Users/matthew/.rvm/rubies/ruby-1.9.3-p0/bin/ruby
$ _
```

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# default ruby

```
$ rvm use 1.9.3 --default
Using /Users/matthew/.rvm/gems/ruby-1.9.3-p0
$
```

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# system ruby

```
$ rvm use system

Now using system ruby.
$ ruby -v

ruby 1.8.7 (2010-01-10 patchlevel 249) [universal-darwin11.0]
$ which ruby
/usr/bin/ruby
$ _
```

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#### gemset

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# creating a gemset

\$ rvm gemset create mynewgemset
'mynewgemset' gemset created

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# using a gemset

\$ rvm gemset use mynewgemset
Using ruby-1.9.3-p0 with gemset mynewgemset

\$ rvm gemset name
mynewgemset

\$ rvm current
ruby-1.9.3-p0@mynewgemset

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# list gemsets

```
~ $ rvm gemset list
gemsets for ruby-1.9.3-p0 (found in /Users/matthew/.rvm/gems/ruby-1.9.3-p0)
=> global
    jruby
    mynewgemset
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```

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# emptying a gemset

\$ rvm gemset empty mynewgemset

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# export a gemset

\$ rvm gemset export

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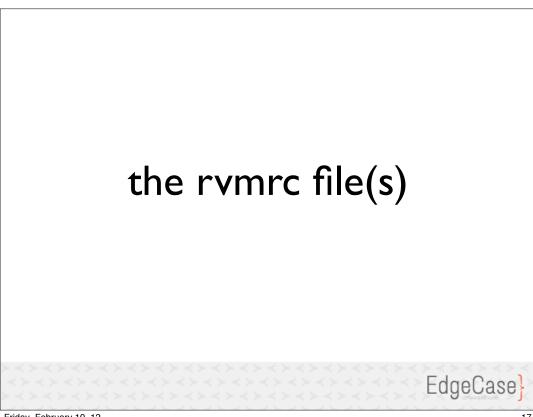
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# copying a gemset

\$ rvm gemset copy 1.9.2-p290 1.9.3-p0

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### /etc/rvmrc

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# myproject/.rvmrc

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# **DEMO** Project .rvmrc

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# **pik** (RVM for Windows)

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#### installation

C:\>gem install pik

Successfully installed pik-0.2.8 1 gem installed

C:\>pik\_install C:\bin
Thank you for using pik.

Installing to C:\bin

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# Resources

http://beginrescueend.com/

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