

Ruby Version Manager

(RVM)

Friday, February 10, 12

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Why RVM?

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

EdgeCase
software

Friday, February 10, 12

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installation

```
$ bash -s stable < <(curl -s  
https://raw.githubusercontent.com/wayneeseguin/  
rvm/master/binscripts/rvm-installer)
```

that's too long...

just copy the line from <http://beginrescueend.com/>



rvm requirements

```
$ 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=clang
* it breaks gems with native extensions, especially DB drivers.

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

$
```



install rubies

```
$ rvm install 1.9.3
```

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
```

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
$ _
```

default ruby

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

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
$ _
```

gemset

creating a gemset

```
$ rvm gemset create mynewgemset  
'mynewgemset' gemset created
```

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
```

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
```

emptying a gemset

```
$ rvm gemset empty mynewgemset
```

export a gemset

```
$ rvm gemset export
```

copying a gemset

```
$ rvm gemset copy 1.9.2-p290 1.9.3-p0
```


the rvmrc file(s)

/etc/rvmrc

`~/.rvmrc`

`myproject/.rvmrc`

DEMO Project .rvmrc

Are you on  ?

pik

(RVM for Windows)

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
```

Resources

<http://beginrescueend.com/>