

### RVM Cheat Sheet Info

Originally Posted: <http://cheat.earthblog.com/s/rvm>

RVM Homepage: <https://rvm.io>

### Install curl and RVM

If it is not installed already, install curl.

To check if it is installed, run the command `which curl`. If there is not output, run the following command:

```
apt-get install curl
```

```
curl -L get.rvm.io | bash -s stable
```

close and reopen your terminal window after running this command. To make sure it installed and is available, type `which rvm` or `rvm --version`; but only after reopening your terminal window.

See <https://rvm.io/rvm/install> and <http://rvm.io/rvm/installation/>

### Install Ruby

```
rvm install 1.9.3
```

Latest known patch level

```
rvm install 1.9.3 -j #
```

Parallel compile, replace # with number of CPU cores

```
rvm install 1.9.3 --patch falcon
```

Use a patch (*falcon* for performance)

```
rvm install 1.9.2-p318
```

Patch level 318

```
rvm install rbx --1.9
```

Rubinius with 1.9 mode set as default

### Update RVM

```
rvm get stable
```

In case of problems try first with development version (maybe it's already fixed):

```
rvm get head
```

Very old installations might not support those update methods, just run the installer and reopen your terminal.

### Install Ruby Dependencies

Follow the instructions from running: `rvm requirements`

### List Known Rubies

```
rvm list known
```

### List All Rubies and Gemsets

```
ruby list
```

List rubies only

```
rvm list gemsets
```

List rubies and gemsets

```
rvm gemset list
```

List gemsets for current ruby

### More Help is Available

in your terminal: `rvm help`

<https://rvm.io/>

IRC #rvm @ freenode - <http://webchat.freenode.net/?channels=#rvm>

### So you got through it all....and it won't work!

Error	Possible Fix	Worked from
error: says rvm use ... won't work	in your terminal, type <code>/bin/bash --login</code>	LXTerminal

These are things you can do to **try** and solve your issue

### Selecting Ruby for Work

```
rvm system
```

For system ruby with fallback to default

```
rvm use jruby
```

For current session only

```
rvm use --default 1.9.3
```

For current and new sessions

```
rvm use --ruby-version rbx
```

For current session and this project

RVM will automatically use a ruby and gemset when you `cd` to a project directory.

Read more on project files:

- <https://rvm.io/workflow/projects/#ruby-versions>

### Using ruby and gems

After selecting Ruby work as usual:

```
ruby -v
```

```
gem install haml
```

```
haml
```



By DeeJRoth (DeeJRoth)  
[cheatography.com/deejroth/](http://cheatography.com/deejroth/)

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### Temporarily selecting another Ruby or gemset

`rvm 1.8.7 do gem install rspec` in the given ruby

`rvm 1.8.7,1.9.2 do gem install haml` in these two rubies

`rvm @global do gem install gist` in @global gemset of current ruby

### Gemsets

RVM by default allows creating multiple environments for one ruby - called *gemsets*.

Gemsets can be specified together with ruby name using gemsets separator(@):

- ruby-1.9.3-p125@my-project

During installation of Ruby, RVM creates two gemsets:

- default - automatically selected when no @gemset specified: rvm use 1.9.3

- global - super gemset, inherited by all other gemsets for the given ruby

### Working with gemsets

`rvm use 1.8.7` use the ruby to manage gemsets for

`rvm gemset create project_name` create a gemset

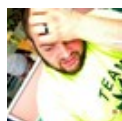
`rvm gemset use project_name` use a gemset in this ruby

`rvm gemset list` list gemsets in this ruby

`rvm gemset delete project_name` delete a gemset

`rvm 1.9.1@other_project_name` use another ruby and gemset

`rvm 1.9.3@_project --create - .rvmrc` use and create gemset & .rvmrc



By **DeeJRoth** (DeeJRoth)  
[cheatography.com/deejroth/](http://cheatography.com/deejroth/)

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