

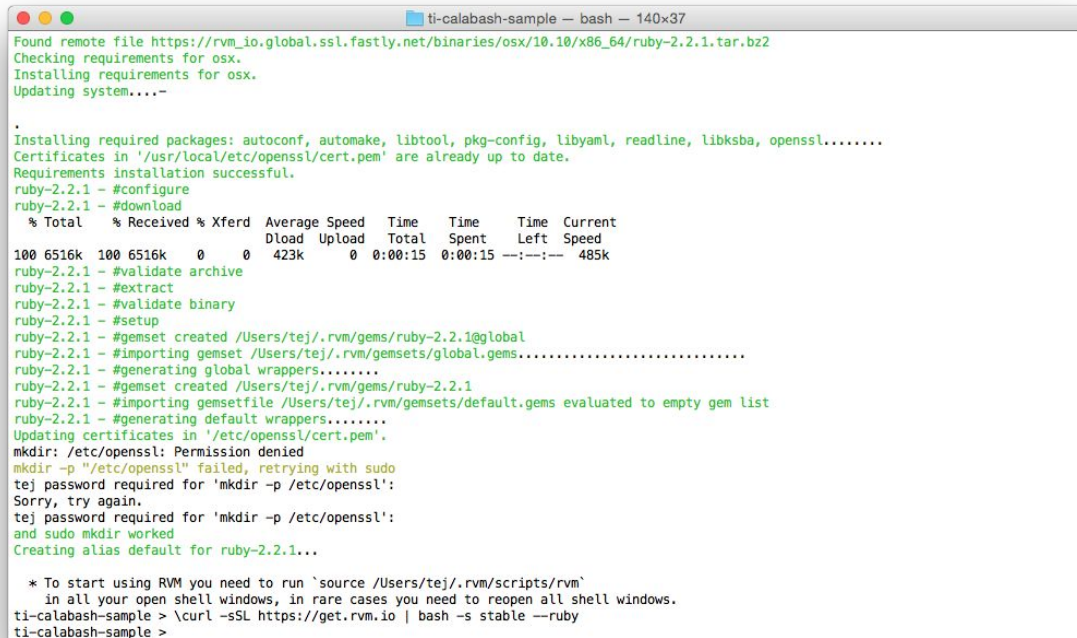
# 1. Ruby Installation

## Install RVM

RVM is used to manage rubies to work with calabash

```
\curl -sSL https://get.rvm.io | bash -s stable --ruby
```

Wait for it to complete



```
Found remote file https://rvm_io.global.ssl.fastly.net/binaries/osx/10.10/x86_64/ruby-2.2.1.tar.bz2
Checking requirements for osx.
Installing requirements for osx.
Updating system....-

Installing required packages: autoconf, automake, libtool, pkg-config, libyaml, readline, libksba, openssl.....
Certificates in '/usr/local/etc/openssl/cert.pem' are already up to date.
Requirements installation successful.
ruby-2.2.1 - #configure
ruby-2.2.1 - #download
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
           Dload  Upload   Total   Spent    Left   Speed
100 6516k  100 6516k    0     0  423k      0  0:00:15  0:00:15 --:--:-- 485k
ruby-2.2.1 - #validate archive
ruby-2.2.1 - #extract
ruby-2.2.1 - #validate binary
ruby-2.2.1 - #setup
ruby-2.2.1 - #gemset created /Users/tej/.rvm/gems/ruby-2.2.1@global
ruby-2.2.1 - #importing gemset /Users/tej/.rvm/gemsets/global.gems.....
ruby-2.2.1 - #generating global wrappers.....
ruby-2.2.1 - #gemset created /Users/tej/.rvm/gems/ruby-2.2.1
ruby-2.2.1 - #importing gemsetfile /Users/tej/.rvm/gemsets/default.gems evaluated to empty gem list
ruby-2.2.1 - #generating default wrappers.....
Updating certificates in '/etc/openssl/cert.pem'.
mkdir: /etc/openssl: Permission denied
mkdir -p "/etc/openssl" failed, retrying with sudo
tej password required for 'mkdir -p /etc/openssl':
Sorry, try again.
tej password required for 'mkdir -p /etc/openssl':
and sudo mkdir worked
Creating alias default for ruby-2.2.1...

* To start using RVM you need to run `source /Users/tej/.rvm/scripts/rvm`
  in all your open shell windows, in rare cases you need to reopen all shell windows.
ti-calabash-sample > \curl -sSL https://get.rvm.io | bash -s stable --ruby
ti-calabash-sample >
```

(Instructions are in <https://rvm.io/rvm/install>)

## Verify RVM installation

Close and open existing terminal

rvm must be detected now

```
execute 'type rvm | head -n 1'
```

output must be **rvm is a function**

we want ruby 2.1.0 , so we shall install ruby 2.1.0 alongside 2.2.1 and then set rvm to use ruby 2.1.0

```
~ > rvm install 2.1.0
Searching for binary rubies, this might take some time.
Found remote file https://rvm_io.global.ssl.fastly.net/binaries/osx/10.10/x86_64/ruby-2.1.0.tar.bz2
Checking requirements for osx.
Certificates in '/usr/local/etc/openssl/cert.pem' are already up to date.
Requirements installation successful.
ruby-2.1.0 - #configure
ruby-2.1.0 - #download
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left   Speed
100 6396k  100 6396k    0     0   374k    0  0:00:17  0:00:17 --:--:-- 419k
ruby-2.1.0 - #validate archive
ruby-2.1.0 - #extract
ruby-2.1.0 - #validate binary
ruby-2.1.0 - #setup
ruby-2.1.0 - #gemset created /Users/tej/.rvm/gems/ruby-2.1.0@global
ruby-2.1.0 - #importing gemset /Users/tej/.rvm/gemsets/global.gems.....
ruby-2.1.0 - #generating global wrappers.....
ruby-2.1.0 - #gemset created /Users/tej/.rvm/gems/ruby-2.1.0
ruby-2.1.0 - #importing gemsetfile /Users/tej/.rvm/gemsets/default.gems evaluated to empty gem list
ruby-2.1.0 - #generating default wrappers.....
~ > █
```

Change Ruby to 2.1.0

Command : **rvm use 2.1.0**

Output : **Using /Users/tej/.rvm/gems/ruby-2.1.0**

## 2. GEM Installation

Install Bundler & Gems

Bundler will install Gems from Gemfile located in the project

```
gem install bundler
```

```
bundle install
```

Sample Gemfile looks like below

```
source 'http://rubygems.org'
gem 'calabash-cucumber', '0.12.3'
gem 'calabash-android', '~> 0.5.8'
gem 'differ'
gem 'xml-simple'
gem 'unicode_utils'
```

```

Successfully installed bundler-1.10.5
Parsing documentation for bundler-1.10.5
Installing ri documentation for bundler-1.10.5
Done installing documentation for bundler after 5 seconds
1 gem installed
ti-calabash-sample >
ti-calabash-sample >
ti-calabash-sample > bundle install
Fetching gem metadata from http://rubygems.org/.....
Fetching version metadata from http://rubygems.org/..
/Users/tej/.rvm/gems/ruby-2.1.0/gems/bundler-1.10.5/lib/bundler.rb:315: warning: Insecure world writable dir /usr/local/bin in PATH, mode 040777
Installing CFPropertyList 2.3.1
Installing awesome_print 1.6.1
Installing builder 3.2.2
Installing diff-lcs 1.2.5
Installing multi_json 1.11.0
Installing gherkin 2.12.2 with native extensions
Installing multi_test 0.1.2
Installing cucumber 1.3.19
Installing escape 0.0.4
Installing httpclient 2.6.0.1
Installing json 1.8.2 with native extensions
Installing retriable 1.4.1
Installing rubyzip 1.1.7
Installing slowhandcuke 0.0.3
Installing calabash-android 0.5.8
Installing calabash-common 0.0.1
Using bundler 1.10.5
Installing edn 1.0.6
Installing geocoder 1.2.8
Installing run_loop 1.2.9
Installing rack 1.6.0
Installing rack-protection 1.5.3
Installing tilt 1.4.1
Installing sinatra 1.4.5
Installing sim_launcher 0.4.13
Installing calabash-cucumber 0.12.3
Installing differ 0.1.2
Installing mini_portile 0.6.1

```

## Installation problems and Solutions

### 1) Nokogiri Installation

Bundler::GemspecError: Could not read gem at  
 /Users/tej/.rvm/gems/ruby-2.1.0/cache/nokogiri-1.6.4.1.gem. It may be corrupted.

An error occurred while installing nokogiri (1.6.4.1), and Bundler cannot continue.

Make sure that `gem install nokogiri -v '1.6.4.1'` succeeds before bundling.

ti-calabash-sample >

ti-calabash-sample >

ti-calabash-sample > gem install nokogiri -v '1.6.4.1'

ERROR: Error installing nokogiri:

invalid gem: package is corrupt, exception while verifying: undefined method `size' for  
 nil:NilClass (NoMethodError) in /Users/tej/.rvm/gems/ruby-2.1.0/cache/nokogiri-1.6.4.1.gem

ti-calabash-sample > gem install nokogiri -v 1.6.5