



VirtualX

DEPLOYMENT GUIDE

Step 1:

sudo apt-get update

Next you need to get the tar.gz for rvm 1.0.1

Step 2:

<https://github.com/wayneeseguin/rvm/archive/1.0.1.tar.gz>

Extract the contents and **cd** into the extracted directory when finished

Step 3:

tar xvzf rvm-1.0.1.tar.gz

Once inside the extracted directory run the installer from the command line

./install

Step 4:

Place the following line at the end of your shell's loading files (.bashrc or .bash_profile for bash and .zshrc for zsh), after all path/variable settings:

```
[[ -s $HOME/.rvm/scripts/rvm ]] && source $HOME/.rvm/scripts/rvm
```

Step 5:

source /home/username/.bashrc

Step 6:

sudo aptitude install build-essential bison openssl libreadline5 libreadline5-dev curl git zlib1g zlib1g-dev libssl-dev libxml2-dev libmysqlclient-dev libcurl3 libcurl3-gnutls libcurl4-openssl-dev

Step 7:

apt-get install libruby1.8 libmysql-ruby1.8 libcurl4-gnutls-dev

Step 8:

rvm install ruby-1.8.7

Step 9:

rvm use ruby-1.8.7 --default

Step 10:

gem install rails --version 3.0.3

copy source code to the /var/www folder of the server
cd VirtualX

bundle install

In case if any Gem dependency issue arise during the execution of 'bundle install' command, please refer the Gems list and its dependencies given at the end of this document

Step 11:

Database Configuration Settings – Refer [app root]/config/database.yml.example to configure database settings and save the settings file as [app root]/config/database.yml

Step 12:

rake db:create RAILS_ENV=production

Step 13:

rake db:migrate RAILS_ENV=production

Step 14:

rake db:seed RAILS_ENV=production

Step 15:

Configure SMTP Settings – Update [app root]/config/initializers/setup_mail.rb file with the Email SMTP settings.

Step 16:

gem install passenger

Step 17:

sudo apt-get install apache2-dev

Step 18:

passenger-install-apache2-module

Step 19:

sudo vi /etc/apache2/apache2.conf

```
=====
LoadModule passenger_module /home/user/.rvm/gems/ruby-1.8.7-
p302/gems/passenger-3.0.9/ext/apache2/mod_passenger.so
  PassengerRoot /home/user/.rvm/gems/ruby-1.8.7-p302/gems/passenger-3.0.9
  PassengerRuby /home/user/.rvm/wrappers/ruby-1.8.7-p302/ruby
=====
```

```
sudo vi /etc/apache2/sites-enabled/virtualx
=====
```

```
<VirtualHost *:80>
  ServerName virtualx
  ServerAlias 192.168.0.119
  DocumentRoot /var/www/virtualx/public
  <Directory /var/www/virtualx/public>
    AllowOverride all
    Options -MultiViews
  </Directory>
  ErrorLog /var/log/apache2/virtualerror.log
  LogLevel warn
  CustomLog /var/log/apache2/virtualaccess.log combined
</VirtualHost>
=====
```

[Wkhtmltopdf](#)

PDFKit depends on wkhtmltopdf for converting HTML page to PDF, this is used for one of the PDF report type in VirtualX.

Run *apt-get install wkhtmltopdf* (or) download *wkhtmltopdf Binary file* depending up on architecture of the server and copy it to the desired location.

apt-get install fontconfig

Set the path to your wkhtmltopdf in *pdfkit_config.rb* file inside initializers

*path set in the application is *'/home/user/wkhtmltopdf/'*

Step 20:

/etc/init.d/apache2 restart

Reference: Ruby Gem Versions

Sl. No.	NAME	VERSION
1	acts_as_tree	0.2.0
2	authlogic	2.1.6
3	declarative_authorization	0.5.2
4	mysql	2.8.1
5	nifty-generators	0.4.4
6	paperclip	2.7.0
7	pdfkit	0.5.2
8	prawn	0.11.1
9	rails	3.0.3
10	rails3-generators	0.17.3
11	rails3-jquery-autocomplete	1.0.6
12	rake	0.8.7
13	ruby-debug	0.10.4
14	truncate_html	0.5.5
15	will_paginate	2.3.15

Gem dependencies:

Sl. No.	NAME	VERSION
1	Ascii85	1.0.1
2	abstract	1.0.0
3	actionmailer	3.0.3
4	actionpack	3.0.3
5	activemodel	3.0.3
6	activerecord	3.0.3
7	activeresource	3.0.3
8	activesupport	3.0.3



9	arel	2.0.10
10	builder	2.1.2
11	bundler	1.6.2
12	cocaine	0.2.1
13	columnize	0.3.6
14	erubis	2.6.6
15	i18n	0.6.0
16	linecache	0.46
17	mail	2.2.19
18	mime-types	1.18
19	pdf-reader	1.1.0
20	polyglot	0.3.3
21	Rack	1.2.5
22	rack-mount	0.6.14
23	rack-test	0.5.7
24	railties	3.0.3
25	rbx-require-relative	0.0.9
26	ruby-debug-base	0.10.4
27	ruby-rc4	0.1.5
28	thor	0.14.6
29	treetop	1.4.10
30	ttfunk	1.0.3
31	tzinfo	0.3.33