RoR Installation on Linux

1. Install Required Libraries
2. Install RVM
3. Install Ruby and Rails using RVM

1. Install Required Libraries

**$ cd /home/gaurav**

**$ sudo apt-get update**

to update the package manager indexes

**$ sudo apt-get -y install build-essential**

To install G++ / C compiler and other tools

**$ sudo apt-get -y install zlib1g-dev libssl-dev**

To install compression development library and SSL development library ( security )

**$ sudo apt-get -y install libreadline-dev**

To install CLI history library

**$ sudo apt-get -y install curl**

To install Curl ( Used to download files )

**$ sudo apt-get -y install libcurl4-openssl-dev**

**$ sudo apt-get -y install libxslt1-dev libxml2-dev**

To install XSLT implementation library and GNOME XML library

**$ sudo apt-get -y install memcached libmemcached-dev libmemcached-tools**

To install high performance memory object caching system.

**$ sudo apt-get -y install imagemagick**

To install image creation/modification library

**$ sudo apt-get -y install git-core**

To install Git on Linux

**DATABASES -**

**MySQL**

**$ sudo apt-get -y install mysql-server mysql-client libmysqlclient-dev**

To install best version of MySQL server ( 5.1 currently ) library and MySQL client library.

**SQLite3**

**$ sudo apt-get -y install sqlite3 libsqlite3-dev**

To install best version of SQLite server ( 3.6 currently ) library and SQLite client library.

**PostgreSQL**

**$ sudo sh -c "echo 'deb http://apt.postgresql.org/pub/repos/apt/ precise-pgdg main' >  
/etc/apt/sources.list.d/pgdg.list"**

*# Required since there is no official PostgreSQL repo for Ubuntu 14+ ( Updating package list )*

**$ wget --quiet -O -  
http://apt.postgresql.org/pub/repos/apt/ACCC4CF8.asc | sudo apt-key  
add -**

*# Required since there is no official PostgreSQL repo for Ubuntu 14+ ( Updating package list )*

**$ sudo apt-get update**

**$ sudo apt-get -y install postgresql-common postgresql-9.3 libpq-dev**

To install PostgreSQL

sudo -u postgres createuser gaurav -s

<https://gorails.com/setup/ubuntu/14.04#postgresql>

<http://stackoverflow.com/questions/11092807/installing-postgresql-on-ubuntu-for-ruby-on-rails>

**$ sudo apt-get -y install libyaml-dev**

To install YAML ( human readable serialization format ) library

# Check why you need this package

**$ sudo apt-get install python-software-properties**

# Check why you need this package

2. Install RVM

(<http://rvm.io/rvm/install>,<https://gorails.com/setup/ubuntu/14.04>)

**$ \curl -sSL https://get.rvm.io | bash**

**$ source ~/.rvm/scripts/rvm**

**$ echo "source ~/.rvm/scripts/rvm" >> ~/.bashrc**

**$ rvm -v**

3. Install Ruby and Rails

**$ rvm install 2.1.3**

**$ rvm use 2.1.3 –default**

**$ ruby -v**

**$ echo “gem: --no-ri –no-rdoc” > ~/.gemrc**

**$ gem install rails**

**$ rails -v**

References:

1.<https://gorails.com/setup/ubuntu/14.04> – Guide for Ruby installation

2.<http://ruby.about.com/od/rubyversionmanager/ss/installrvmlinux.html#step-heading>

3. Previous Projects

4.<https://www.digitalocean.com/community/tutorials/how-to-install-ruby-on-rails-on-ubuntu-12-04-lts-precise-pangolin-with-rvm>