Deployment Guide:

Website: <https://www.phusionpassenger.com/library/walkthroughs/deploy/>

Step 1:

Select Ruby

Step 2:

Select “[Generic Linux/Unix deployment tutorial](https://www.phusionpassenger.com/library/walkthroughs/deploy/ruby/ownserver/integration_mode.html)”

Step 3:

Select “Nginx” (<https://www.phusionpassenger.com/library/walkthroughs/deploy/ruby/ownserver/integration_mode.html#nginx_choices>)

Step 4:

Select Server: Choose open source <https://www.phusionpassenger.com/library/walkthroughs/deploy/ruby/ownserver/nginx/open_source_vs_enterprise.html#oss_choices>

Step 5: Install Ruby

sudo apt-get update

sudo apt-get install -y curl gnupg build-essential

sudo gpg --keyserver hkp://keys.gnupg.net --recv-keys 409B6B1796C275462A1703113804BB82D39DC0E3

$ curl -sSL https://get.rvm.io | sudo bash -s stable

$ sudo usermod -a -G rvm `whoami`

$ rvm install ruby-2.3.3

$ rvm --default use ruby-2.3.3

$ gem install bundler --no-rdoc --no-ri

sudo apt-get install -y nodejs &&

sudo ln -sf /usr/bin/nodejs /usr/local/bin/node

Step 6: Install Passenger

sudo apt-get install -y dirmngr gnupg

sudo apt-key adv --keyserver hkp://keyserver.ubuntu.com:80 --recv-keys 561F9B9CAC40B2F7

sudo apt-get install -y apt-transport-https ca-certificates

*# Add our APT repository*

sudo sh -c 'echo deb https://oss-binaries.phusionpassenger.com/apt/passenger **xenial** main > /etc/apt/sources.list.d/passenger.list'

sudo apt-get update

*# Install Passenger + Nginx*

sudo apt-get install -y nginx-extras passenger

**Step 2: enable the Passenger Nginx module and restart Nginx**

Edit /etc/nginx/nginx.conf and uncomment include /etc/nginx/passenger.conf;. For example, you may see this:

Copy# include /etc/nginx/passenger.conf;

Remove the '#' characters, like this:

Copyinclude /etc/nginx/passenger.conf;

If you don't see a commented version of include /etc/nginx/passenger.conf; inside nginx.conf, then you need to insert it yourself. Insert it into /etc/nginx/nginx.conf inside the http block. For example:

Copy...

http {

include /etc/nginx/passenger.conf;

...

}

When you are finished with this step, restart Nginx:

Copy$ sudo service nginx restart

Step 6: Deploy the app

<https://www.phusionpassenger.com/library/walkthroughs/deploy/ruby/ownserver/nginx/oss/xenial/deploy_app.html>

ssh [shimul@175.29.189.243](mailto:shimul@175.29.189.243)

sudo adduser mailadmin

sudo passwd mailadmin

Set Password 1234@sodms

ssh-keygen

sudo mkdir -p ~mailadmin/.ssh

touch $HOME/.ssh/authorized\_keys

sudo sh -c "cat $HOME/.ssh/authorized\_keys >> ~mailadmin/.ssh/authorized\_keys"

sudo chown -R mailadmin: ~mailadmin/.ssh

sudo chmod 700 ~mailadmin/.ssh

sudo sh -c "chmod 600 ~mailadmin/.ssh/\*"

### 1.3 Install Git on the server

Copy$ sudo apt-get install -y git

### Install PostGRESSQL

### <https://www.digitalocean.com/community/tutorials/how-to-install-and-use-postgresql-on-ubuntu-16-04>

### sudo apt-get install postgresql postgresql-contrib

### sudo -i -u postgres

### createuser –interactive

username mailer

To log in with ident based authentication, you'll need a Linux user with the same name as your Postgres role and database.

If you don't have a matching Linux user available, you can create one with the adduser command. You will have to do this from an account with sudo privileges (not logged in as the postgres user):

sudo mailer

### **Create user: mailer**

### **Create db: mailer**

### **Create pg role: mailer**

sudo -u mailer psql mailer

ALTER USER mailer WITH PASSWORD '1234@mailer'

### Password: 1234@mailer

### Setting up a basic directory structure

sudo mkdir -p /var/www/sodmsmailer/shared

sudo chown mailadmin: /var/www/sodmsmailer/ /var/www/sodmsmailer/shared/

### Create initial configuration files

sudo mkdir -p /var/www/sodmsmailer/shared/config

sudo chown -R mailadmin: /var/www/sodmsmailer/shared/config/

sudo chmod 600 /var/www/sodmsmailer/shared/config/database.yml

sudo chmod 600 /var/www/sodmsmailer/shared/config/secrets.yml

Add your Server’s SSH key to bitbucket

Deploy in all servers using following command

bundle exec cap production deploy

Install pg gem on server

sudo apt-get install libpq-dev

Create /etc/system/system/

sodmsmailer-scheduler.service

sodmsmailer-web.service

sodmsmailer-worker.service

################## sodmsmailer-web.service##########

[Unit]

StopWhenUnneeded=true

[Service]

User=mailadmin

WorkingDirectory=/var/www/sodmsmailer/current

Environment=PORT=7000

ExecStart=/bin/bash -lc 'bundle exec puma -S ~/puma -C config/puma.rb'

Restart=always

StandardInput=null

StandardOutput=/var/www/sodmsmailer/shared/log/production.log

StandardError=/var/www/sodmsmailer/shared/log/production.log

SyslogIdentifier=%n

KillMode=process

[Install]

WantedBy=multi-user.target

#######################

sudo systemctl enable sodmsmailer-web.service

sudo systemctl start sodmsmailer-web.service

sudo systemctl status sodmsmailer-web.service

Do same things for all services.

Install Redis server

https://www.digitalocean.com/community/tutorials/how-to-install-and-configure-redis-on-ubuntu-16-04