

ReadMe

Saryan Optimized Planning System

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Introduction

This document is to show how to install and run the Saryan Application. Below two ways are given to run the product through localhost or on our cloud server. By using the the Heroku Live Deployment the user can skip all installation and move straight into demoing the product. However if the user wishes to run on a local web server they must follow all steps to create the proper runtime environment.

Repository

<https://github.com/gr347wh173n0r7h/saryan>

Installation

Heroku Live Deployment:

Go to: <https://pure-springs-4374.herokuapp.com/>

Localhost:

1. Instal Ubuntu

- a. Go to: <http://www.ubuntu.com/download/desktop> and download Ubuntu Desktop 14.04.3 LTS

- b. Follow all steps on:

<http://www.ubuntu.com/download/desktop/install-ubuntu-desktop> to install Ubuntu Desktop.

- i. Alternatively users can install Ubuntu in a Virtual Machine following these steps: <http://www.psychocats.net/ubuntu/virtualbox>

2. Open Terminal

3. Install Ruby 2.2.3

- a. Install Ruby Dependencies

```
sudo apt-get update
sudo apt-get install git-core curl zlib1g-dev build-essential libssl-dev
libreadline-dev libyaml-dev libsqlite3-dev sqlite3 libxml2-dev libxslt1-dev
libcurl4-openssl-dev python-software-properties libffi-dev
```

- b. Install RBENV (Gem Manager)

```
cd
git clone git://github.com/sstephenson/rbenv.git .rbenv
echo 'export PATH="$HOME/.rbenv/bin:$PATH"' >> ~/.bashrc
echo 'eval "$(rbenv init -)"' >> ~/.bashrc
exec $SHELL

git clone git://github.com/sstephenson/ruby-build.git
~/.rbenv/plugins/ruby-build
echo 'export PATH="$HOME/.rbenv/plugins/ruby-build/bin:$PATH"' >> ~/.bashrc
exec $SHELL

git clone https://github.com/sstephenson/rbenv-gem-rehash.git
~/.rbenv/plugins/rbenv-gem-rehash

rbenv install 2.2.3
rbenv global 2.2.3
ruby -v

echo "gem: --no-ri --no-rdoc" > ~/.gemrc
gem install bundler
```

c. Install Rails 4.2.4

i. Install Node JS

```
sudo add-apt-repository ppa:chris-lea/node.js
sudo apt-get update
sudo apt-get install nodejs
```

ii. Install Rails 4.2.3

```
gem install rails -v 4.2.4
rbenv rehash

# Check if Rails installed
rails -v
# Rails 4.2.3
```

d. Setting Up MySQL

```
sudo apt-get install mysql-server mysql-client libmysqlclient-dev
```

e. Setting Up PostgreSQL

```
sudo sh -c "echo 'deb http://apt.postgresql.org/pub/repos/apt/ precise-pgdg
main' > /etc/apt/sources.list.d/pgdg.list"
wget --quiet -O - http://apt.postgresql.org/pub/repos/apt/ACCC4CF8.asc | sudo
apt-key add -
sudo apt-get update
sudo apt-get install postgresql-common
sudo apt-get install postgresql-9.3 libpq-dev
```

Deployment

Heroku Live Deployment:

Go to: <https://pure-springs-4374.herokuapp.com/>

Localhost:

1. Open Terminal
2. Move to Saryan Directory

```
cd ../<filepath>/saryan
```

3. Create Database

```
rake: db:create
```

4. Run Rails Webserver

```
rails s
```

You will then see something like this:

```
Ubuntu@User:~/Workspace/saryan$ rails s
=> Booting WEBrick
=> Rails 4.2.4 application starting in development on http://localhost:3000
=> Run `rails server -h` for more startup options
=> Ctrl-C to shutdown server
[2015-11-18 12:41:03] INFO  WEBrick 1.3.1
[2015-11-18 12:41:03] INFO  ruby 2.2.3 (2015-08-18) [x86_64-linux]
[2015-11-18 12:41:03] INFO  WEBrick::HTTPServer#start: pid=3628 port=3000
```

5. Open <http://localhost:3000> the your preferred browser

6. You can now interact with the Saryan Application on a local host

Sources

<https://gorails.com/setup/ubuntu/14.10>

<http://www.ubuntu.com/download/desktop/install-ubuntu-desktop>

<http://www.psychocats.net/ubuntu/virtualbox>

<https://github.com/sstephenson/rbenv>