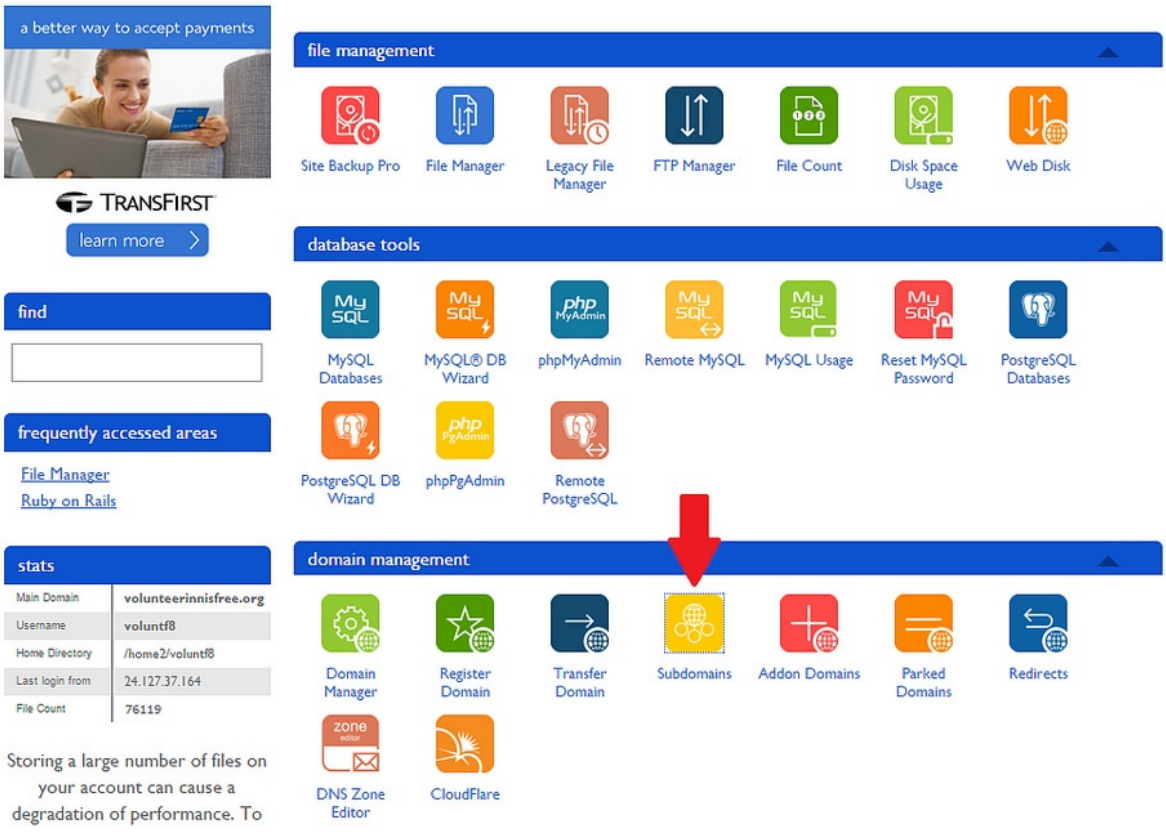
Installation Plan

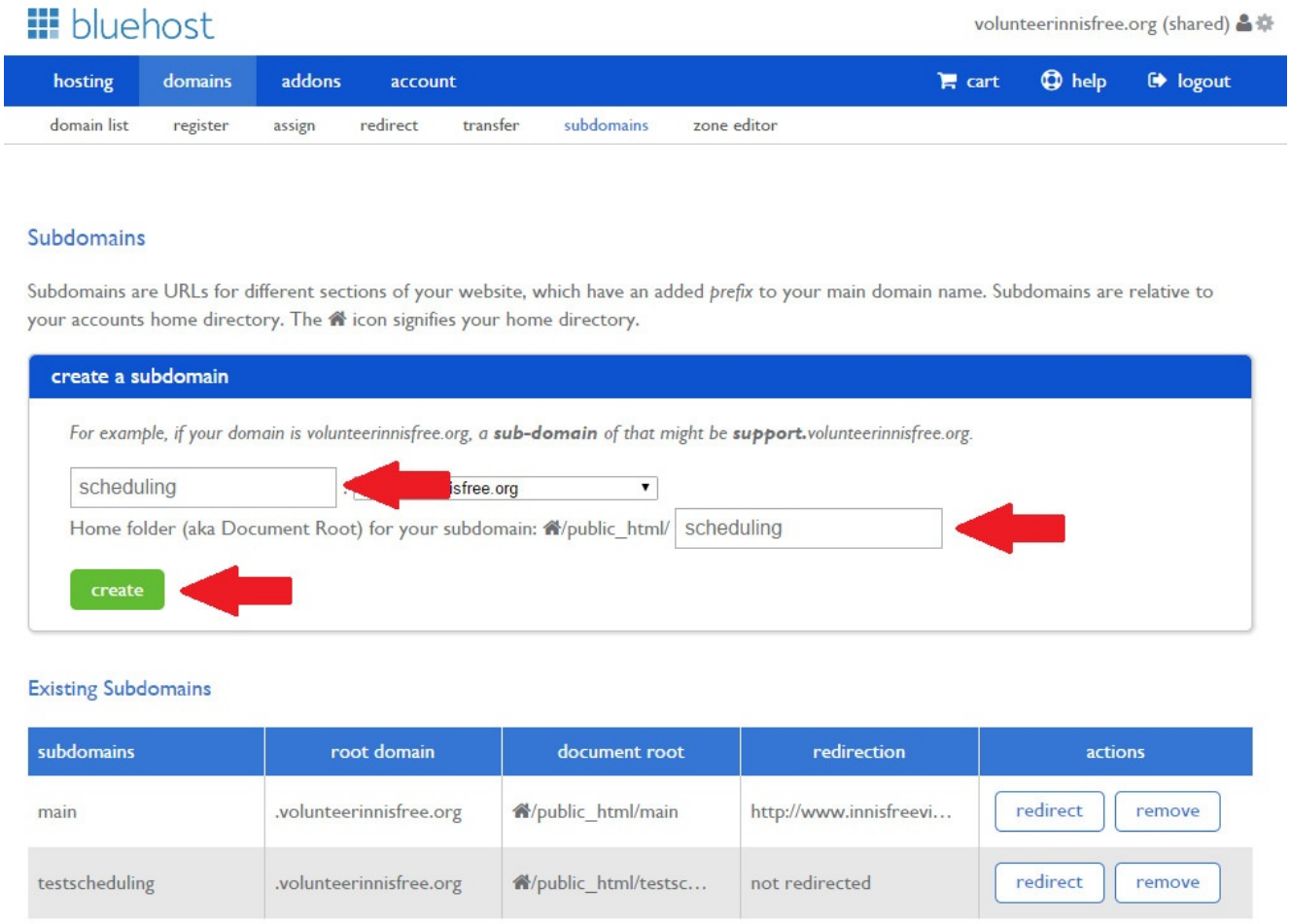
Overview

Steps based on this guide and this guide.

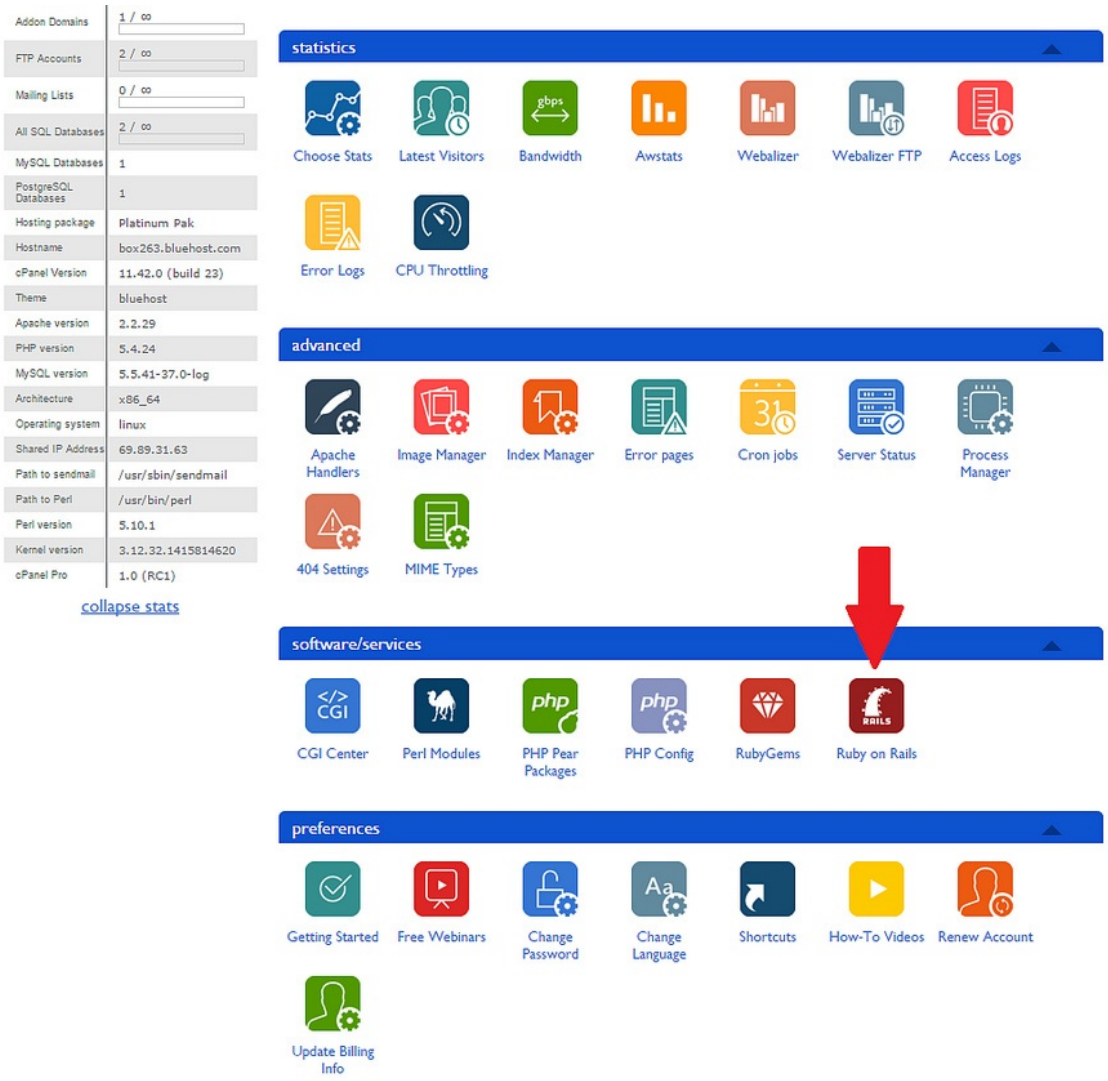
Steps (BlueHost specific):

1. Get BlueHost credentials
2. Create subdomain (here named scheduling)
3. Click `Subdomain` button in cPanel
4. 

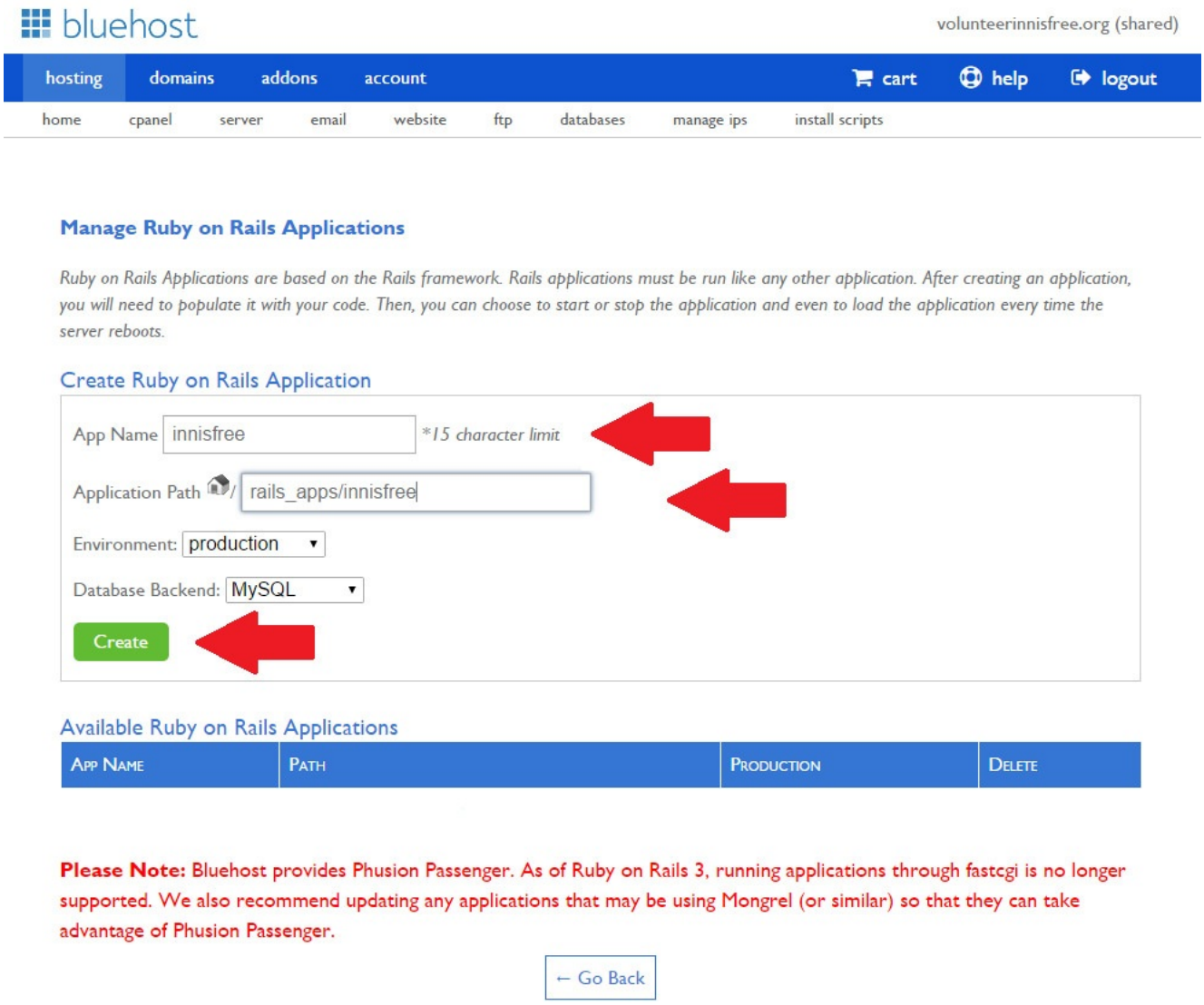
5. Fill out subdomain information



6.
7. Create Ruby on Rails application through cPanel
8. Click `Ruby on Rails` button in cPanel



9.
10. Fill out application information



11.
12. Create a MySQL database for the scheduling application, and add a user to it
13. Using BlueHost's File Manager tool, copy zipped code to BlueHost (place it in the home directory for now)
14. Alternatively, you can skip this step and pull the code from GitHub later
15. SSH to BlueHost server using putty or a similar tool
16. Change to the `rails_apps` directory: `cd ~/rails_apps`
17. Install Rails: `gem install rails -v 4.1.1 --no-rdoc --no-ri`
18. Install Rake: `gem install rake -v '10.4.2' --no-rdoc --no-ri`
19. Edit .bash.rc file as described in the first guide
20. Unzip application code: "`unzip ~/innisfree.zip""
    - Type `A` when prompted to overwrite all common files
    - If you chose to instead pull the code from GitHub, do that now: `git clone https://github.com/uva-slp/innisfree`
21. `cd innisfree`
22. Uncomment line containing `gem 'therubyracer'` in Gemfile
23. Install missing gems `bundle install --path vendor/bundle`
24. Create **app** .htaccess file (e.g. `~/rails_app/innisfree/public/.htaccess`) as described in the first guide
    - Change the second to last line to `SetEnv GEM_HOME /home2/voluntf8/ruby/gems`
25. Delete the subdomain directory: `rm -rf ~/public_html/scheduling`

26. Link subdomain and application directory as described in the first guide
    - Create symbolic link from domain to app: `ln -s ~/rails_apps/innisfree/public ~/public_html/scheduling`
27. Create config/database.yml from config/database.yml.template (in the Rails application directory) so production entry points to BlueHost SQL server:

```
production:
  adapter: mysql2
  pool: 5
  port: 3306
  database: $DATABASE_NAME
  username: $USER_NAME
  password: $PASSWORD
  host: localhost
```

28. Run `rake db:migrate`
29. Delete the application.css file, if it exists: `rm ~/rails_app/innisfree/app/assets/stylesheets/application.css`

Generic instructions

1. Install Apache2
2. Install Ruby (version 1.9.3 is what we deployed on, 2.1.5 has been tested to work)
3. Install Rails (version 4.1.1 is what we deployed on, 4.x should work, but has not been tested)
4. Install passenger `gem install passenger`
5. Passenger is an web & application server that integrates nicely with Apache and Nginx to run Rails apps
6. Install the passenger module for apache `passenger-install-apache2-module`
7. You may need to enable this module `sudo a2enmod passenger` and restart apache `sudo service apache2 restart`
8. Clone the application repository from Github
9. Follow steps 6.vi through 6.x from above (sorry about the mix of Arabic and Roman numerals…)
10. Link the public directory of the application to the directory Apache is serving out of `ln -s ./public /opt/bitnami/apache2/htdocs/scheduling`
11. This is by default `/*installdir*/apache2/htdocs/application` where *installdir* is the directory Apache was installed to. For bitnami, this looks to be `/opt/bitnami/apache2/htdocs`
12. Your application should now be accessible from the server's IP address (or DNS, if that's your thing)

Sample files

Sample config/database.yml

```
# SQLite version 3.x
#   gem install sqlite3
#
#   Ensure the SQLite 3 gem is defined in your Gemfile
#   gem 'sqlite3'
#
default: &default

development:
  adapter: mysql2
  pool: 5
  port: 3306
  database: $DEV_DATABASE_NAME
  username: $USER_NAME
  password: $PASSWORD
  host: localhost

# Warning: The database defined as "test" will be erased and
# re-generated from your development database when you run "rake".
# Do not set this db to the same as development or production.
test:
  adapter: sqlite3
  pool: 5
  timeout: 5000
  database: db/test.sqlite3

production:
  adapter: mysql2
  pool: 5
  port: 3306
  database: $DATABASE_NAME
  username: $USER_NAME
  password: $PASSWORD
  host: localhost
```

Sample public/.htaccess file

```
<IfModule mod_passenger.c>
  Options -MultiViews
  PassengerResolveSymlinksInDocumentRoot on
  #Set this to whatever environment (development, production) you'll be runn
  RailsEnv production
  RackBaseURI /
  SetEnv GEM_HOME /home2/voluntf8/ruby/gems
</IfModule>
```