

## Steps for Quicksearch RubyMine (RM) Vagrant:

- Memorize:
  - `vagrant up`
  - `vagrant reload --provision`
  - `vagrant ssh`
  - `vagrant snapshot push`
  - `vagrant global-status`
  - `vagrant status`
  - `vagrant halt`
  - `vagrant destroy id`
- Install VirtualBox, Vagrant, RubyMine.
  - Run “`vagrant -v`” on Terminal to verify vagrant is working.
  - Install Vagrant vbguest plugin: `vagrant plugin install vagrant-vbguest`
- Make sure you have set up GitHub keys in repo. The steps are:
 

```
ssh-keygen -t rsa -b 4096 -C you@email.com

# press enter to save key to your home folder

eval "$(ssh-agent -s)"

# it should print "Agent pid . . ."

ssh-add ~/.ssh/id_rsa

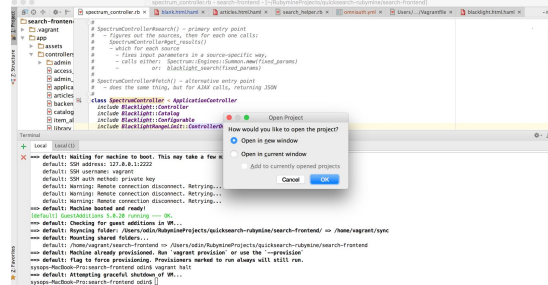
# it should print "Identity added . . ."

pbcopy < ~/.ssh/id_rsa.pub

# now paste this key into your GitHub SSH Settings page

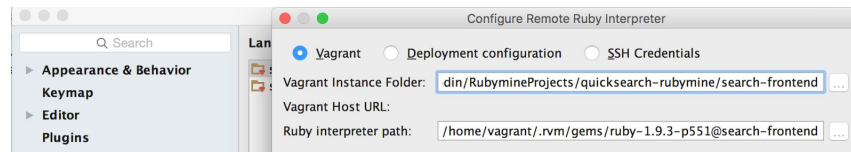
ssh -T git@github.com

# enter "yes" to recognize host
```
- Start RubyMine. Git clone in RubyMine (third option in the launcher) all the QS projects:
  - <https://github.com/osmandin/search-frontend>
  - <https://github.com/osmandin/search-backend/>
  - Hit checkbox and import the second project in “Current Window.”

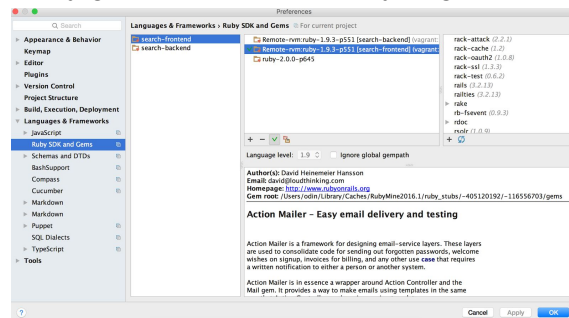


- Open Terminal (in RM)
  - (Switch to branch “vagrant” through Terminal in RubyMine)
- Optional: Copy in “tmp” config folder (from your email) to both search-frontend and search-backend (e.g., through Finder)

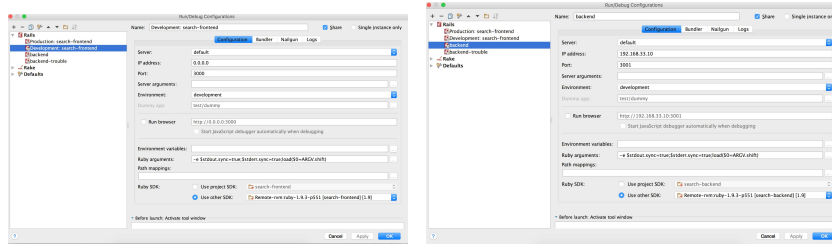
- Edit Vagrantfile synced\_folder setting for both repos to make sure that it points to the correct folder.
- Run “vagrant up”
  - This will install the stack. It will take a while.
  - Install vbguest plugin (just in case you haven’t already and if it complains):  
vagrant plugin install vagrant-vbguest
  - Run “vagrant reload --provision” if you run into an error.
- Configure connections.
  - Verify box “centos/7” shows up in RM/ Preferences/ Tools/ Vagrant
  - Go to RM/Languages & Frameworks/Ruby SDKs & Gems
  - Click on + icon to add remote SDK. Select Vagrant in the dialog box. Make sure the path is to search-frontend in the first box, and the last path points to gem locations (the same location as the path vagrant loading says “Happy Coding!”)



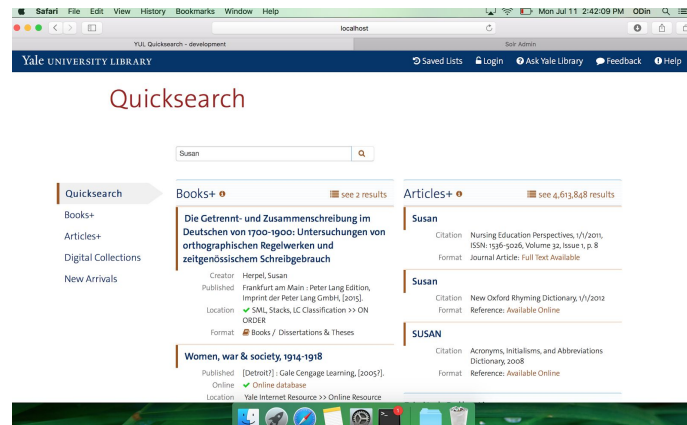
- Ensure the correct remote appears with a green checkmark next to it.
- Verify gem/bundler availability (e.g., Rails 4 for search-backend):



- “vagrant ssh” into each box through RM Terminal. If the search-frontend gemset is not selected, select it.
  - cd search-frontend; rvm gemset list; ...
  - Same for SF
- Verify database for both SF and SB. For example, for SF:
  - cd quicksearch-vagrant/db; sqlite3 development.sqlite3
  - rake db:migrate (in case the database is missing)
- Start Solr on SF box (if it’s not running).
  - Verify by running ps -A | grep java.
- RM/Run to run both programs (or select each project and click on Run -- it should automatically pick up the project runtime info, but if it doesn’t click on Edit Configuration). The Edit Configuration should look like the following. Note the different IP and port for search-backend.



- Finally, browse to
  - localhost:3000 for search-frontend
  - localhost:8983 for solr



## Possible Issues

- Sometimes RM might have problem connecting to the box. Try again.

## Consolidated VM Instructions:

- Git clone:
  - <https://github.com/yalelibrary/quicksearch-vagrant>
- Follow the steps in the repo.

## Pending:

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