Vagrant

Vagrant is used for local development.

When upgrading from a previous version:

Vagrant upgrade

First uninstall Vagrant.

On OS X:

```
rm -rf /Applications/Vagrant
rm -f /usr/local/bin/vagrant
sudo pkgutil --forget com.vagrant.vagrant
```

On Linux:

```
rm -rf /opt/vagrant
rm -f /usr/bin/vagrant
```

On all platforms: backup and remove ~/.vagrant.d (in home directory) and .vagrant (in SOL-vagrant-aws directory).

Download and install Vagrant. The 1.9 series doesn't work. https://releases.hashicorp.com/vagrant/

Perform step 5. of the setup procedure to install the vagrant plugins.

Setup

Follow these steps to run the Schoolonline application local:

1. Install vagrant on your desktop: https://www.vagrantup.com/docs/installation/ (NIET 1.8.5 gebruiken wegens fouten, 1.9 series also doesn't work)
2. Clone our vagrant repository in your workspace

   ```
   git clone git@github.com:VANINUitgeverij/SOL-vagrant-aws.git
   git submodule update --init
   ```

3. Clone the codebases in your workspace or create project directories

   ```
   git clone git@github.com:VANINUitgeverij/SOL.git # Use your own fork
   and set VANINUitgeverij as "upstream"
   git clone git@github.com:VANINUitgeverij/SOL-management.git
   git clone git@github.com:VANINUitgeverij/SOL-daemons.git
   git clone git@github.com:VANINUitgeverij/SOL-scripts.git
   git clone git@github.com:VANINUitgeverij/SOL-3rd-party-testing.git
   mkdir soldocument
   mkdir public
   ```

4. Create symbolic links in cloned vagrant folder

```
ln -s <folder_to_schoolonline> codebase
ln -s <folder_to_management> management
ln -s <folder_to_daemoncodebase> daemoncodebase
ln -s <folder_to_scripts> scripts
ln -s <folder_to_3rd-party-testing> testing
ln -s <folder_to_soldocument> soldocument
ln -s <folder_to_public> public
ln -s ~/.ssh keys (zorg er hiervoor dat je private key die je gebruikt
voor aws hier de naam id_rsa_aws heeft of kopieer die key en noem die
zo)
```

5. Configure your vagrant

```
vagrant plugin install vagrant-vbguest
# deze plugin zorgt ervoor dat de guest additions overeenkomen met de
versie van virtualbox
vagrant plugin install nugrant
```

6. Change specific user settings in .vagrantuser. AWS username is required!!!
7. Install or deinstall puppet modules if needed in environments/awstesting/modules/.

```
# Add modules example:
git submodule add git@github.com:mayflower/puppet-php.git php

# Remove module example:
git submodule deinit php
git rm --cached php -r
rm -rf php
```

8. Setup DNS via dnsmasq to use local wildcards (or skip and go to step 9)

```
# voor linux
sudo apt-get install dnsmasq
sudo su
echo "address=/schoolonline.dev/192.168.57.101" >> /etc/dnsmasq.conf;
echo "address=/printserver.schoolonline.dev/192.168.57.102" >>
/etc/dnsmasq.conf
exit
sudo service dnsmasq restart
```

```
# voor osx
chown root:admin /usr/local/bin/brew
sudo brew install dnsmasq
sudo su
echo "address=/schoolonline.dev/192.168.57.101" >>
/usr/local/etc/dnsmasq.conf; echo
"address=/printserver.schoolonline.dev/192.168.57.102" >>
/usr/local/etc/dnsmasq.conf
exit

sudo cp -fv /usr/local/opt/dnsmasq/*.plist /Library/LaunchDaemons
sudo chown root /Library/LaunchDaemons/homebrew.mxcl.dnsmasq.plist
```

9. Or hardcode the urls in /etc/hosts. For example development.schoolonline.dev

```
sudo su
sed -i '1s/^/192.168.57.101 development.schoolonline.dev\n/' file
exit
```

Other useful entries: redis.schoolonline.dev phpmyadmin.schoolonline.dev standaard.schoolonline.dev cdn.schoolonline.dev management.schoolonline.dev

10. Create AWS access key:
    a. Go to AWS console (first time: https://btt-vanin.signin.aws.amazon.com/console then console.aws.amazon.com).
    b. Login via two factor authentication.
    c. Click on Services in the header
    d. Click on IAM
    e. Click on users
    f. Select your own user account
    g. Go to the tab Security credentials
    h. Click on the blue button 'Create access key'

11. Add AWS credentials
    a. Add the file /environments/awstesting/modules/sol_codebase/files/aws_credentials.ini and add the following data:

```
[default]
aws_access_key_id = <own_access_key_id>
aws_secret_access_key = <own_secret_access_key>
[development]
aws_access_key_id = <own_access_key_id>
aws_secret_access_key = <own_secret_access_key>
```

12. Run vagrant

```
# in your vagrant folder
vagrant up --provision # start your vagrant machine and run the
provision afterwards
vagrant ssh # ssh to your vagrant machine
```

13. Misc. To use multiple processors, change the following settings in VirtualBox:
    a. System
    b. Motherboard
    c. Enable I/O APIC

14. Init mysql client. You can find all settings by running vagrant ssh-config in your vagrant folder.
15. Temporarily (this should be part of the vagrant provision but doesn't seem to work at the moment)

```
vagrant ssh
cd /opt/local/scripts
composer install
```

16. Point browser to (no https):
    - development.schoolonline.dev
    - management.schoolonline.dev
    - phpmyadmin.schoolonline.dev (root/awstesting)
    - redis.schoolonline.dev
17. Start the print server

```
vagrant up printserver --provision
vagrant provision // Dit eerste keer nog eens doen !!!!!
vagrant ssh printserver
sudo -s
cd /opt/local/daemons
composer install
./PrintDaemon.php --no-daemon --debug
```

18. Temp fix for files missing:
    a. Copy files in /SOL-vagrant-aws/environments/awstesting/modules/sol_test_documents/files/_DocumentDevelopment
    b. To <your soldocument>/40/_Document
19. It is necessary to do a "vagrant up **--provision**" to clear the firewall rules. Otherwise, the webserver will not be reachable.

Version	Date	Comment
Current Version (v. 43)	**01-Feb-2017 14:43**	**Bart Ducheyne**
v. 42	13-Dec-2016 10:46	**kristof verniers**
v. 41	13-Dec-2016 10:13	**kristof verniers**
v. 40	13-Dec-2016 10:09	**kristof verniers**
v. 39	04-Nov-2016 13:12	**Arne De Smedt**
v. 38	03-Nov-2016 16:16	**Arne De Smedt**
v. 37	03-Nov-2016 16:16	**Arne De Smedt**
v. 36	03-Nov-2016 12:16	**Arne De Smedt**
v. 35	03-Nov-2016 12:06	**Arne De Smedt**
v. 34	20-Oct-2016 15:18	**Bart Ducheyne**
v. 33	06-Sep-2016 15:03	**jonas de smet**
v. 32	06-Sep-2016 14:45	**jonas de smet**
v. 31	06-Sep-2016 11:54	**jonas de smet**
v. 30	06-Sep-2016 11:20	**jonas de smet**
v. 29	01-Sep-2016 18:05	**Arne De Smedt**

v. 28	17-Aug-2016 15:06	**jonas de smet**
v. 27	17-Aug-2016 14:12	**jonas de smet**
v. 26	17-Aug-2016 12:04	**Bart Ducheyne**
v. 25	16-Aug-2016 15:14	**Dries Vandenneucker**
v. 24	16-Aug-2016 15:09	**Dries Vandenneucker**
v. 23	16-Aug-2016 15:05	**Dries Vandenneucker**
v. 22	28-Jul-2016 11:19	**Arne De Smedt**
v. 21	26-Jul-2016 15:52	**kristof verniers**
v. 20	26-Jul-2016 12:57	**Bart Ducheyne**
v. 19	19-Jul-2016 09:20	**kristof verniers**
v. 18	13-Jul-2016 16:44	**kristof verniers**
v. 17	13-Jul-2016 16:41	**Bart Ducheyne**
v. 16	13-Jul-2016 16:36	**Bart Ducheyne**
v. 15	12-Jul-2016 09:47	**Arne De Smedt**
v. 14	08-Jul-2016 14:46	**kristof verniers**
v. 13	08-Jul-2016 14:21	**kristof verniers**
v. 12	08-Jul-2016 13:57	**kristof verniers**
v. 11	08-Jul-2016 13:56	**kristof verniers**
v. 10	08-Jul-2016 12:06	**kristof verniers**
v. 9	08-Jul-2016 11:52	**kristof verniers**
v. 8	08-Jul-2016 11:48	**kristof verniers**
v. 7	08-Jul-2016 08:40	**kristof verniers**
v. 6	08-Jul-2016 08:40	**kristof verniers**
v. 5	07-Jul-2016 11:36	**Bart Ducheyne**
v. 4	04-Jul-2016 12:03	**Bart Ducheyne**
v. 3	27-Jun-2016 12:58	**Arne De Smedt**
v. 2	23-Jun-2016 14:49	**Arne De Smedt**
v. 1	04-May-2016 07:51	**kristof verniers**