Lafayette-Dev

Documentation for Lafayete Server Development appliance.

- OS: Debian Wheezy
- Java: OpenJDK 1.6.0_27 (`/usr/lib/jvm/java-6-openjdk-amd64`)
- Maven: 3.0.4 (`/usr/share/maven`)

Install Script:

`wget https://raw.github.com/Weltraumschaf/Lafayette/master/server/bin/install-debian.sh`

Import into Virtual Box

1. download and install Virtual Box.
2. import appliance: `Menu -> File -> Import Aplliance`
3. change network from NAT to bridged
    1. Open virtual machne settings
    2. Navigate to network
    3. change `Attached to:` from `NAT` to `Bridged Adapter`
4. start virtual machine
5. chaneg hostname
    1. login as root
    2. edit /etc/hostname and change `lafayette-dev` : `$ nano /et/hostname`
    3. edit /htc/hosts and change `lafayette-dev` : `$ nano /et/hosts`
    4. reboot machine: `$ shutdown -r now`
6. change Sonar URI in Jenkins
    1. login via Webbrowser to Jenkins with user `service-user` (see below): http://YOURHOSTNAME:8080
    2. go to `configure Jenkins`
    3. go to `configure system`
    4. search for `sonar`
    5. edit server URI to: http://YOURHOSTNAME:9000

Users

- root: mo3Shoo7
- service-user: ahf4Iedu (sudoer)

Services

- MySQL 5.5.31 (User: root - Password: mo3Shoo7)
- Apache Tomcat 7 (User: root - Password: mo3Shoo7)
- Jenkins (User: root - Password: mo3Shoo7)
- Sonar (User: root - Password: mo3Shoo7, DB: sonar - Quizook1) in `/usr/local/sonar`

Tomcat

- Port 80: in `/etc/default/tomcat7` autobind=on
- MySQL JDBC connector: `/usr/share/tomcat7/lib/mysql.jar -> /usr/share/java/mysql.jar`
- see Install Tomcat 7 on Ubuntu 11.10 for Mifos X

Add in `/etc/defaults/tomcat`

```
export STAGE=development

...

# Java memory options
MAX_PERM_SIZE=128m
HEAP_SPACE_START=128m
HEAP_SPACE_MAX=256m

...

JAVA_OPTS="-Djava.awt.headless=true \
-Xmx128m \
-XX:+UseConcMarkSweepGC \
-XX:+CMSClassUnloadingEnabled \
-XX:+UseParNewGC \
-XX:MaxPermSize=${MAX_PERM_SIZE} \
-Xms${HEAP_SPACE_START} -Xmx${HEAP_SPACE_MAX}"
```