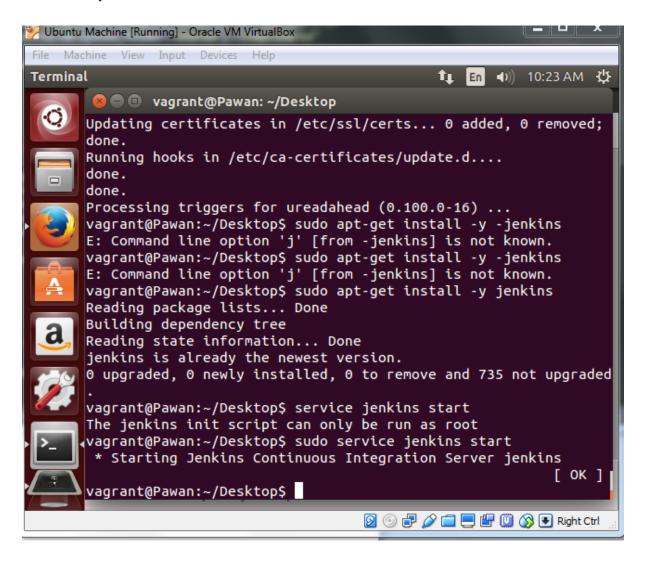
Tooling

Task 1a - Setting up Jenkins

sudo scp jenkins_2.1_all.deb /home/vagrant/Desktop/cd /home/vagrant/Desktop sudo dpkg —i jenkins_2.1_all.deb sudo apt-get install —y —f sudo apt-get install —y jenkins sudo service jenkins start





Task 1b - Setting up Bamboo

Navigate to directory to install bamboo, e.g. /opt

sudo wget https://www.atlassian.com/software/bamboo/downloads/binary/atlassian-bamboo-5.8.1.tar.gz

sudo tar xvzf atlassian-bamboo-5.8.1.tar.gz

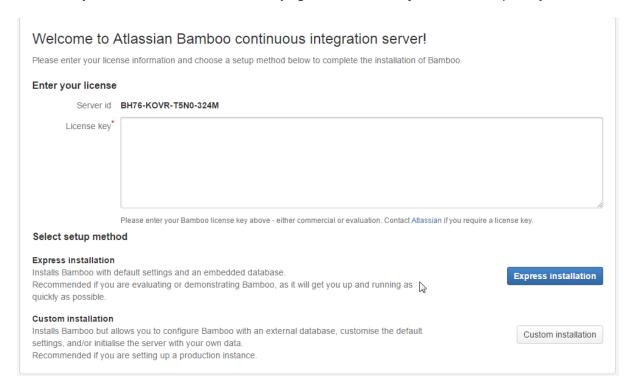
After installed, edit **/opt/atlassian-bamboo/WEB-INF/classes/bamboo-init.properties** and add the proper home directory.

```
## You can specify your bamboo.home property here or in your system environm bamboo.home=/opt/igcap
```

Execute the bamboo.sh file.

```
ubuntu@ip-172-31-7-183:/opt$ ls
atlassian-bamboo-5.8.1 atlassian-bamboo-5.8.1.tar.gz
ubuntu@ip-172-31-7-183:/opt$ cd atlassian-bamboo-5.8.1/
ubuntu@ip-172-31-7-183:/opt/atlassian-bamboo-5.8.1$ ls
atlassian-bamboo conf logs README.txt tomcat-docs
bamboo.sh lib NOTICE scripts webapps
bin licenses README.html temp work
ubuntu@ip-172-31-7-183:/opt/atlassian-bamboo-5.8.1$ sudo ./bamboo.sh
```

Make sure java is installed. If not use sudo apt-get install default-jdk to install required java



Task 2 - Setting up Jira

cd /opt/

sudo chmod a+x jira.bin sudo ./jira.bin

Choose custom install, install on port 8081, custom port 80

```
Please wait a few moments while JIRA starts up.
Launching JIRA ...
Installation of JIRA 6.4.9 is complete
Your installation of JIRA 6.4.9 is now ready and can be accesse
d via your
browser.
JIRA 6.4.9 can be accessed at http://localhost:8081
Finishing installation ...
vagrant@Pawan:/opt$
```

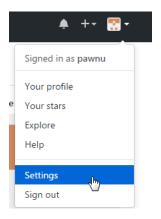


Task 3 - Configuring Jira and Git

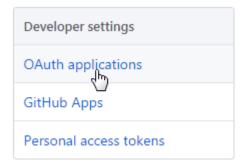
https://confluence.atlassian.com/adminjiracloud/connect-jira-cloud-to-github-814188429.html

Install Jira and Git on machine.

On github, select your profile



Under developer settings, click OAuth applications.



Next, click register a new application



Fill in the details, the homepage URL and callback URL must be same.





Upload new logo

You can also drag and drop a picture from your computer.

Application name



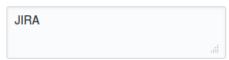
Something users will recognize and trust

Homepage URL

http://localhost:8084

The full URL to your application homepage

Application description



This is displayed to all potential users of your application

Authorization callback URL

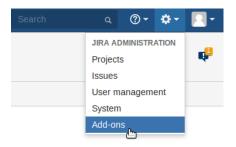
http://localhost:8084

Your application's callback URL. Read our OAuth documentation for more information.

Update application

Delete application

On Jira, go to add-ons page.



Select DVCS accounts under Source Control

SOURCE CONTROL



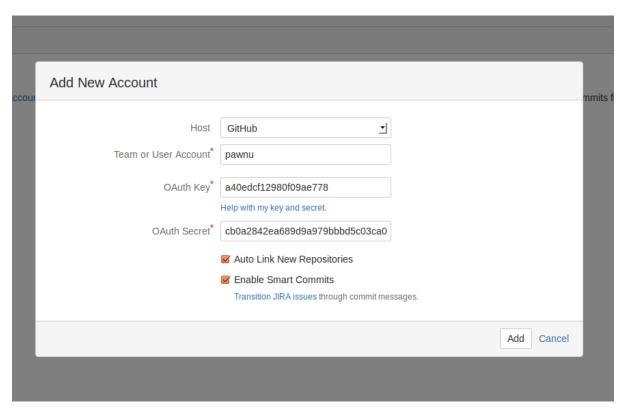
FishEye Configuration

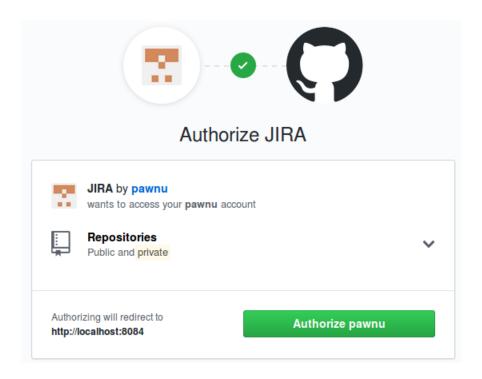
Perforce Job Integration

Click link github account

DVCS Accounts Connect your Bitbucket and GitHub accounts to JIRA and link Link Bitbucket or GitHub account

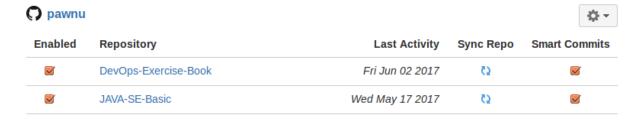
Fill the required information from github page on popup window.





When prompted, click **Authorize** to allow jira to link with github.

Select which projects to sync with JIRA



Task 4 - Installing Nexus

cd /opt/
sudo scp nexus-2.14.4-03-bundle.tar.gz /usr/local
cd /usr/local
sudo tar xvzf nexus-2.14.4-03-bundle.tar.gz
sudo ln —s nexus-2.14.4-03 nexus
echo "1" | sudo update-alternatives --config java
sudo chowm -R vagrant nexus* sonatype-work
cd /usr/local/nexus
./bin/nexus console
./bin/nexus start

Notes:

nexus-3.* didn't work with this setup nexus won't run with sudo, change a user to be owner of nexus and sonawork directory to run

nexus requires JVM 1.8. JVM might show as 1.7. Make sure java 1.8 is installed.

Use **sudo update-alternatives - -config java** and select the 1.8 version of java to run nexus

```
🔞 🖯 🗊 vagrant@Pawan: /opt
vagrant@Pawan:/usr/local/nexus$ sudo update-alternatives --conf
ig java
There are 2 choices for the alternative java (providing /usr/bi
n/java).
 Selection
               Path
Priority
          Status
* 0
               /usr/lib/jvm/java-7-openjdk-amd64/jre/bin/java
 1071
          auto mode
               /opt/jdk1.8.0_45/bin/java
 1
          manual mode
 1
               /usr/lib/jvm/java-7-openjdk-amd64/jre/bin/java
 2
 1071
          manual mode
Press enter to keep the current choice[*], or type selection nu
mber: 1
update-alternatives: using /opt/jdk1.8.0_45/bin/java to provide
/usr/bin/java (java) in manual mode
vagrant@Pawan:/usr/local/nexus$ java -version
java version "1.8.0_45"
Java(TM) SE Runtime Environment (build 1.8.0_45-b14)
Java HotSpot(TM) 64-Bit Server VM (build 25.45-b02, mixed mode)
```

Nexus by default runs on port 8081, to change it edit the **conf/properties** file

Run nexus as follows:

```
vagrant@PUPPADEY:/usr/local/nexus$ ./bin/nexus stop
Stopping Nexus OSS...
Nexus OSS was not running.
vagrant@PUPPADEY:/usr/local/nexus$ ./bin/nexus start
Starting Nexus OSS...
Started Nexus OSS.
vagrant@PUPPADEY:/usr/local/nexus$ ./bin/nexus status
Nexus OSS is running (18921).
```



Task 5 - Install Zabbix

cd /opt/

wget http://repo.zabbix.com/zabbix/2.4/ubuntu/pool/main/z/zabbix-release_2.4-1+trusty_all.deb

sudo dpkg -i zabbix-release_2.4-1+trusty_all.deb

sudo apt-get install -y zabbix-server-mysql zabbix-frontend-php php5-mysql

Edit /etc/php5/apache2/php.ini

post_max_size = 16M max_execution_time = 300 max_input_time = 300 date.timezone = Europe/London

sudo service apache2 restart

Create /etc/zabbix/apache.conf

Define /zabbix alias, this is the default <IfModule mod_alias.c> Alias /zabbix /usr/share/zabbix </IfModule>

sudo cp /etc/zabbix/apache.conf /etc/apache2/conf-available/zabbix.conf sudo a2enconf zabbix.conf

sudo service apache2 restart sudo service zabbix-server start

