Installation Guide

Before Installation:

1- Set up 2 virtual machines that run Ubuntu 18.04 (one will be the manager one will be the worker)

2- Create a Mysql server and run the following commands

CREATE DATABASE SFIA2;

USE SFIA2;

CREATE TABLE prizes ( ID int AUTO INCREMENT, Prize varchar(255), PRIMARY KEY (ID));

3- inside your .bashrc file add the following lines

EXPORT MYSQLHOST = “insert ip of sql server”

EXPORT MYSQLUSER = “insert user of sql server”

EXPORT MYSQLPASSWORD = “insert password of sql server”

EXPORT MYSQLDB = “insert daatabse name of sql server (in this case SFIA2)”

4-install Jenkins onto the manager node

wget -q -O - https://pkg.jenkins.io/debian/jenkins-ci.org.key | sudo apt-key add -

sudo sh -c 'echo deb http://pkg.jenkins.io/debian-stable binary/ > /etc/apt/sources.list.d/jenkins.list'

sudo apt-get update

sudo apt-get install jenkins

5-clone down this repository

6-edit the inventory.cfg file so the ip address is your worker virtual machine ip address

7-Create pipeline in Jenkins that runs the Jenkinsfile when you start a build

8-Start a build in Jenkins and the application should run