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aws + jenkins + apache + mysql setup

1 message

venu Thamatam <pythonvenu@gmail.com> Mon, Sep 16, 2019 at 2:35 PM
To: MyBatch1 <mybatch1@googlegroups.com>

Git Reposotory import and export from pycharm
==========
1) From the main menu, choose VCS | Checkout from Version Control | Git.

2) In the Clone Repository dialog, specify the URL of the repository that you want to clone. You can select a repository from the list of all GitHub projects
associated with your account and the organization that your account belongs to.

3) In the Directory field, enter the path to the folder where your local Git repository will be created.

4) Click Clone. If you want to create a project based on these sources, click Yes in the confirmation dialog. PyCharm will automatically set Git root mapping to the project root directory.

git clone https://github.com/pythonvenu/GISF.git
cd GISF
git status
-- add changes (add new fiels and modify fiels)
git branch venuChildBranch

git checkout venuChildBranch

git add *

git config --global user.email "pythonvenu@gmail.com"
git config --global user.name "pythonvenu"

git commit -m

git push origin venuChildBranch

Jenkins Installation
==========

#!/bin/bash
sudo apt-get update
sudo apt-get install openjdk-8-jdk -y
wget -q -O - https://pkg.jenkins.io/debian-stable/jenkins.io.key | sudo apt-key add -
sudo apt-add-repository "deb https://pkg.jenkins.io/debian-stable binary/"
sudo apt-get update
sudo apt install jenkins -y
sudo apt-get install git -y
sudo apt-get install maven -y
sudo service jenkins start
sudo cat /var/lib/jenkins/secrets/initialAdminPassword

54f24e088a7a34ac29a650e445317a6de

https://github.com/pythonvenu/GISF.git

Virtural Environment Creation

==========
#!/bin/bash
sudo apt-get update
sudo apt-get install apache2 -y
sudo apt-get install python3-pip -y
sudo apt-get install libapache2-mod-wsgi-py3 -y
sudo pip3 install virtualenv
sudo apt install python-pip
sudo apt-get install python3
#rm -rf ~/GI
sudo mv /var/lib/jenkins/workspace/GISFDeploy /home/ubuntu/
sudo chmod 777 -R /home/ubuntu/GISFDeploy/
cd /home/ubuntu/GISFDeploy
virtualenv myprojectenv
source ~/GISFDeploy/myprojectenv/bin/activate
pip3 install django
sudo apt install python-dateutil
pip3 install requests
python manage.py collectstatic
http://3.15.203.86:8000/

deactivate

sudo mv 000-default.conf /etc/apache2/sites-available/
sudo service apache2 restart

000-default.conf
==========
<VirtualHost *:80>

ServerAdmin http://ec2-3-15-203-86.us-east-2.compute.amazonaws.com/
DocumentRoot /home/ubuntu/GISFDeploy
Alias /static /home/ubuntu/GISFDeploy/static
<Directory /home/ubuntu/GISFDeploy/static>
Require all granted
</Directory>

<Directory /home/ubuntu/GISFDeploy/GISF>
<Files wsgi.py>
Require all granted
</Files>
</Directory>

WSGIDaemonProcess GISFDeploy python-home=/home/ubuntu/GISFDeploy/myprojectenv python-path=/home/ubuntu/GISFDeploy
WSGIProcessGroup GISFDeploy
WSGIScriptAlias / /home/ubuntu/GISFDeploy/GISF/wsgi.py

</VirtualHost>

chmod 664 ~/db.GISF

chmod 775 ~/myproject

sudo chown :www-data ~/myproject/db.GISF

sudo chown :www-data ~/myproject

sudo ufw delete allow 8000

sudo ufw allow 'Apache Full'

sudo iptables -D INPUT -p tcp --dport 8000 -j ACCEPT
sudo iptables -I INPUT -p tcp --dport 80 -j ACCEPT

sudo apache2ctl configtest

sudo systemctl restart apache2

--==========
mysql installation

sudo apt-get update
sudo apt-get install mysql-server

--sudo mysql_secure_installation utility

sudo ufw enable
sudo ufw allow mysql

sudo systemctl start mysql

sudo systemctl enable mysql

/usr/bin/mysql -u root -p

mysql>CREATE DATABASE testdb;

mysql>CREATE USER 'testuser'@'%' IDENTIFIED BY 'Gisf@1223';
mysql>GRANT ALL PRIVILEGES ON *.* TO 'testuser'@'%' WITH GRANT OPTION;
mysql>GRANT ALL ON testdb.* to 'testuser' identified by 'Gisf@1223'
mysql>quit

sudo service mysql stop

vi /etc/mysql/mysql.conf.d/mysqld.cnf (change ip address 127.0.0.1 to 0.0.0.0)

sudo service mysql start

Note : try to connect from mysql workbnch from client machine

pip install mysqlclient (need to install this in django environment)

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