Steps to install lamp on centos 7

Step 1:Update Software Versions List

sudo yum update

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Step 2: Install Apache

sudo yum install httpd -y

Step 3: Activate Apache

sudo systemctl start httpd

Step 4:set the Apache service to start when the system boots

sudo systemctl enable httpd

Step 5: Verify Apache Service

sudo systemctl status httpd

Link https://hostadvice.com/how-to/how-to-install-lamp-stack-on-centos-7/

Step 6:before you install mysql use below command to update and install wget.

sudo yum update

yum install wget

Step 7:MySQL must be installed from the community repository.

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wget http://repo.mysql.com/mysql-community-release-el7-5.noarch.rpm

sudo rpm -ivh mysql-community-release-el7-5.noarch.rpm

yum update

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step 8:Install MySQL as usual and start the service.

sudo yum install mysql-server

sudo systemctl start mysqld

step 9:Run the mysql\_secure\_installation script to address several security concerns in a default MySQLnstallation.

sudo mysql\_secure\_installation

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step 10:To log in to MySQL as the root user:

mysql -u root -p

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Enter the passowrd and type Exit to come out from mysql.

Installation Steps of PHP 7.0, 7.1 & 7.2 on CentOS 7

1. Install yum-utils and enable EPEL repository

yum install epel-release yum-utils –y

2) Download and Install remirepo using yum command

yum install http://rpms.remirepo.net/enterprise/remi-release-7.rpm

yum-config-manager --enable remi-php72

3) Install PHP 7.2 along with dependencies.

yum install php php-common php-opcache php-mcrypt php-cli php-gd php-curl php-mysql -y

5) Verify the PHP version

php -v

6) start its service using below systemctl command

systemctl start httpd

Now create a **info.php** file under /var/www/html with following contents,

cd /var/www/html/

vi info.php

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<?php

phpinfo();

?>

Save and exit and restart apache server

systemctl restart httpd

https://www.linuxtechi.com/install-php-7-centos-7-rhel-7-server/

Open the web browser and type the ip of your server followed by info.php,

<http://Server-IP-Address/info.php>

Installing phpMyAdmin

step 1:phpMyAdmin is not available in CentOS 7 core repositories. To install phpMyAdmin we need to enable the EPEL repository first:

sudo yum install epel-release

step 2: Once the EPEL repository is enabled we can install phpMyAdmin and all of it’s dependencies with the following command:

sudo yum install phpmyadmin -y

Now we configure phpMyAdmin

nano /etc/httpd/conf.d/phpMyAdmin.conf

<Directory /usr/share/phpMyAdmin/>  
 AddDefaultCharset UTF-8  
  
 <IfModule mod\_authz\_core.c>  
 # Apache 2.4  
# <RequireAny>  
# Require ip 127.0.0.1  
# Require ip ::1  
# </RequireAny>  
 Require all granted  
 </IfModule>

Save and exit using ESC :wq! enter.

step 3:Restart the Apache service:

systemctl restart httpd

step4:Now you can access the phpmyadmin console by navigating to the URL

http://server-ip-address/phpmyadmin/ from your browser.

Enter your MySQL username and password which you have given in previous steps. In my case its “root” and passwd

“Parasu@123”.

https://www.howtoforge.com/tutorial/centos-lamp-server-apache-mysql-php/

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Install wordpress on centos 7

step1:yum update

step:Enter a directory by your choice and download WordPress. For our purpose we are using the /opt directory.

cd /opt

step3:Install wget and unzip that are needed for the installation further:

yum install wget unzip

step4:Download WordPress using the wget command:

wget http://wordpress.org/latest.zip

step 5:Install php-gd in order to work with images, install plugins etc…

yum install php-gd

step6:Enter MySQL as root:

mysql -u root -p

mysql> CREATE DATABASE wordpress;

mysql> GRANT ALL PRIVILEGES on wordpress.\* to 'wpuser'@'localhost' identified by 'Parasu@123';

mysql> FLUSH PRIVILEGES;

mysql> exit

step7: Restart MySQL

systemctl restart mysqld.service

step8:UnZip and configure WordPress

unzip -q latest.zip -d /var/www/html/

Set the proper permissions:

chown -R apache:apache /var/www/html/wordpress

chmod -R 755 /var/www/html/wordpress

step 9:We need to create the upload directory manually:

mkdir -p /var/www/html/wordpress/wp-content/uploads

step10:assigning group ownership of this directory to your web server which will allow Apache to create

files and directories

chown -R :apache /var/www/html/wordpress/wp-content/uploads

Enter the WordPress directory:

cd /var/www/html/wordpress/

step11:Rename wp-config-sample.php into wp-config.php:

mv wp-config-sample.php wp-config.php

step 12:Open the WordPress configuration file with your favorite text editor and change the database values

with the ones you gave at the time of the database creation.

vi wp-config.php

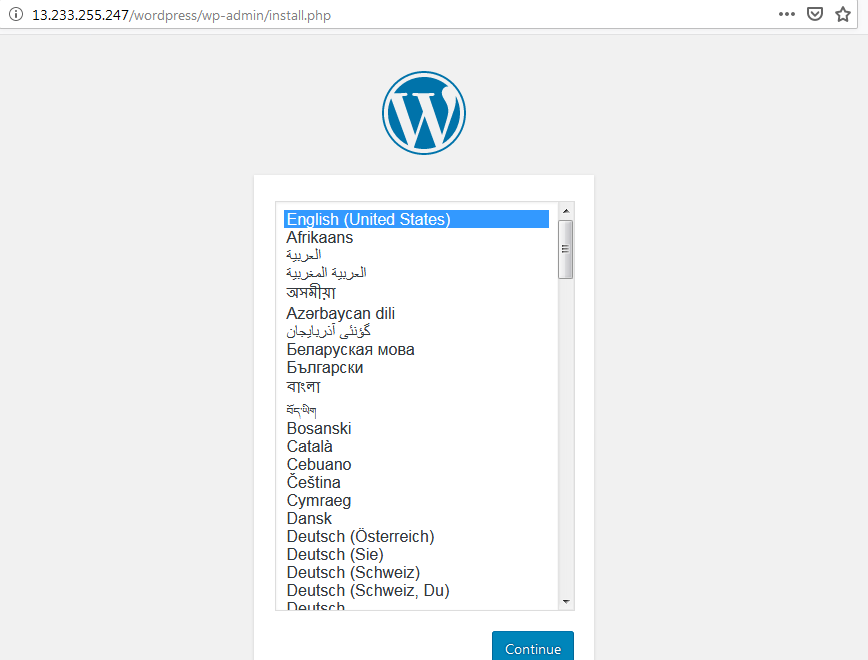
make changes in vi editor change the dbname dbuser and dbpassword

save and exit;

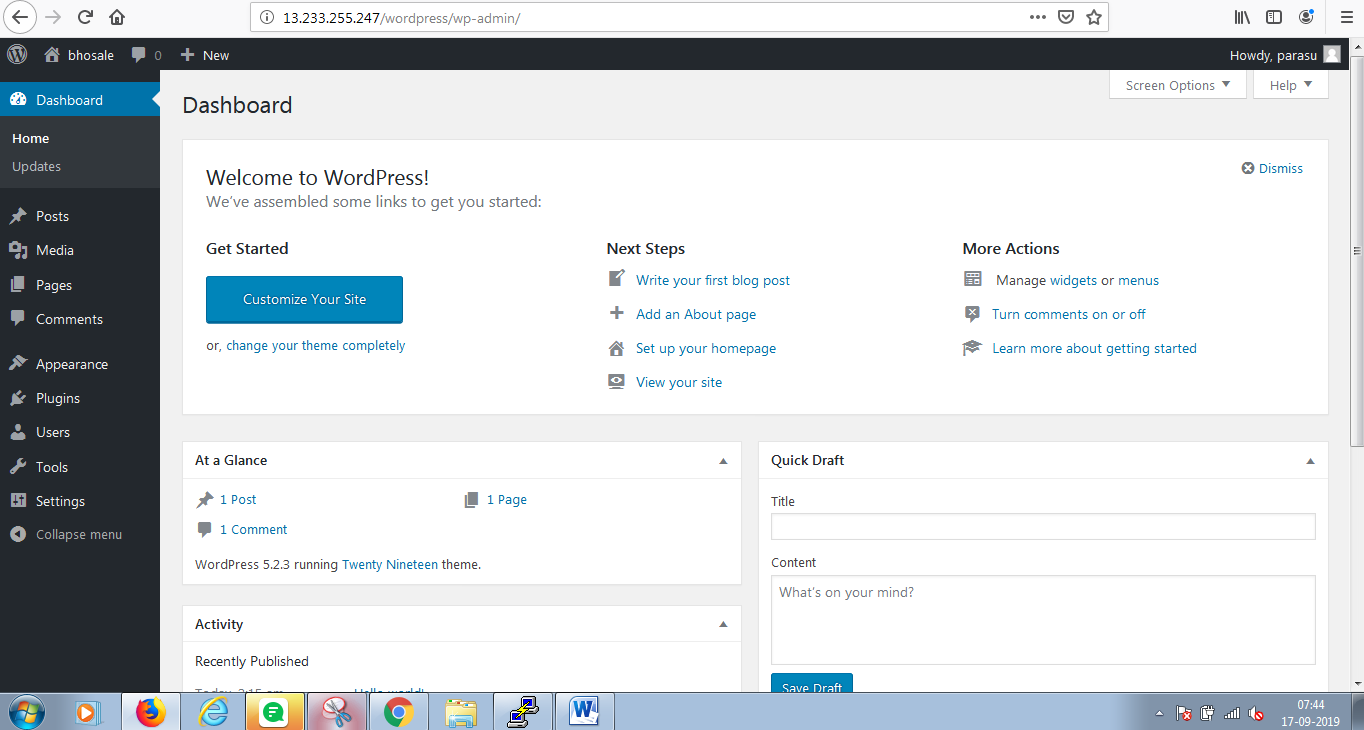
restart

systemctl restart mysqld.service

systemctl httpd restart



After login page



step 13: visit thr url <http://ip-address/wordpress/wp-admin/>

Link to install wordpress;

<https://www.rosehosting.com/blog/install-wordpress-on-a-centos-7-vps/>

Install FTP

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link

https://phoenixnap.com/kb/how-to-setup-ftp-server-install-vsftpd-centos-7

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step:1

sudo yum update

2. Install VSFTPD software with the following command:

sudo yum install vsftpd ftp

3. Start the service and set it to launch when the system boots with the following:

sudo systemctl start vsftpd

sudo systemctl enable vsftpd

Step 4: Configuring VSFTPD edit the configuration file with the following command:

sudo vi /etc/vsftpd/vsftpd.conf

5. Set your FTP server to disable anonymous users and allow local users.

anonymous\_enable=NO

local\_enable=YES

write\_enable-YES

chroot\_local\_user=YES

allow\_writeable\_chroot=YES

userlist\_enable=YES

userlist\_file=/etc/vsftpd/user\_list

userlist\_deny=NO

// At the end of file add the following

pasv\_enable=YES

pasv\_min\_port=1024

pasv\_max\_port=1048

pasv\_address=<Public IP of your instance>

local\_root=/var/www

allow\_writeable\_chroot=YES

4. Once you’re finished editing the configuration file, save your changes. Restart the vsftpd service to

apply changes:

sudo systemctl restart vsftpd

disable SElinux ;

setenforce 0 -----desibe selinux

sestatus ------ to check selinux in enabled or disabled

vi /etc/selinux/config \*disabled\* instead of enabled

init 6 ------------ reboot thr server

sestatus ------ to check selinux in enabled or disabled

the status should be disable mode

Step 3: Create a New FTP user

sudo adduser testuser

sudo passwd testuser

cat /etc/passwd -----------details of number of user

sudo chmod 550 /home/testuser/

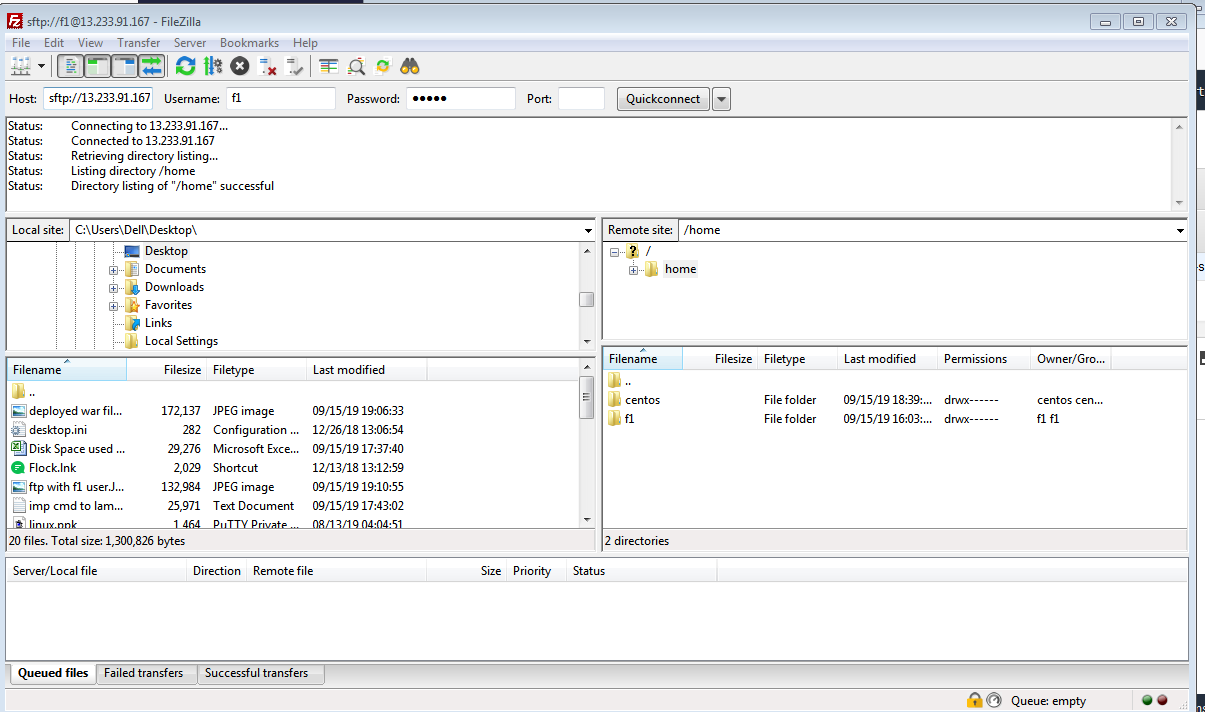
sudo chmod 750 /home/testuser/

sudo chown –R testuser: //testuser/ftp

step 3 :Set the home directory of the user with the following command

usermod -d /var/www/html/ testuser

login to filezill and check the client is accessing particular directory only.



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Install Apache Tomcat 7 on CentOS 7

Link

https://www.digitalocean.com/community/tutorials/how-to-install-apache-tomcat-7-on-centos-7-via-yum

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Install Java

sudo yum install java-1.8.0-openjdk.x86\_64

Now, you can confirm your installation with:

java -version

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Install Tomcat

sudo yum install tomcat

sudo vi /usr/share/tomcat/conf/tomcat.conf

--------------save and exit without doing any changes

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Install Admin Packages

To install the default Tomcat root page (tomcat-webapps), and the Tomcat Web Application Manager and

Virtual Host Manager (tomcat-admin-webapps), run this command

sudo yum install tomcat-webapps tomcat-admin-webapps

Install Online Documentation (Optional)

sudo yum install tomcat-docs-webapp tomcat-javadoc

Configure Tomcat Web Management Interface

sudo vi /usr/share/tomcat/conf/tomcat-users.xml

=========================

Add this lines

<tomcat-users>

<user username="admin" password="password" roles="manager-gui,admin-gui"/>

</tomcat-users>

=======================

Save and exit the tomcat-users.xml file.

Start Tomcat

sudo systemctl start tomcat

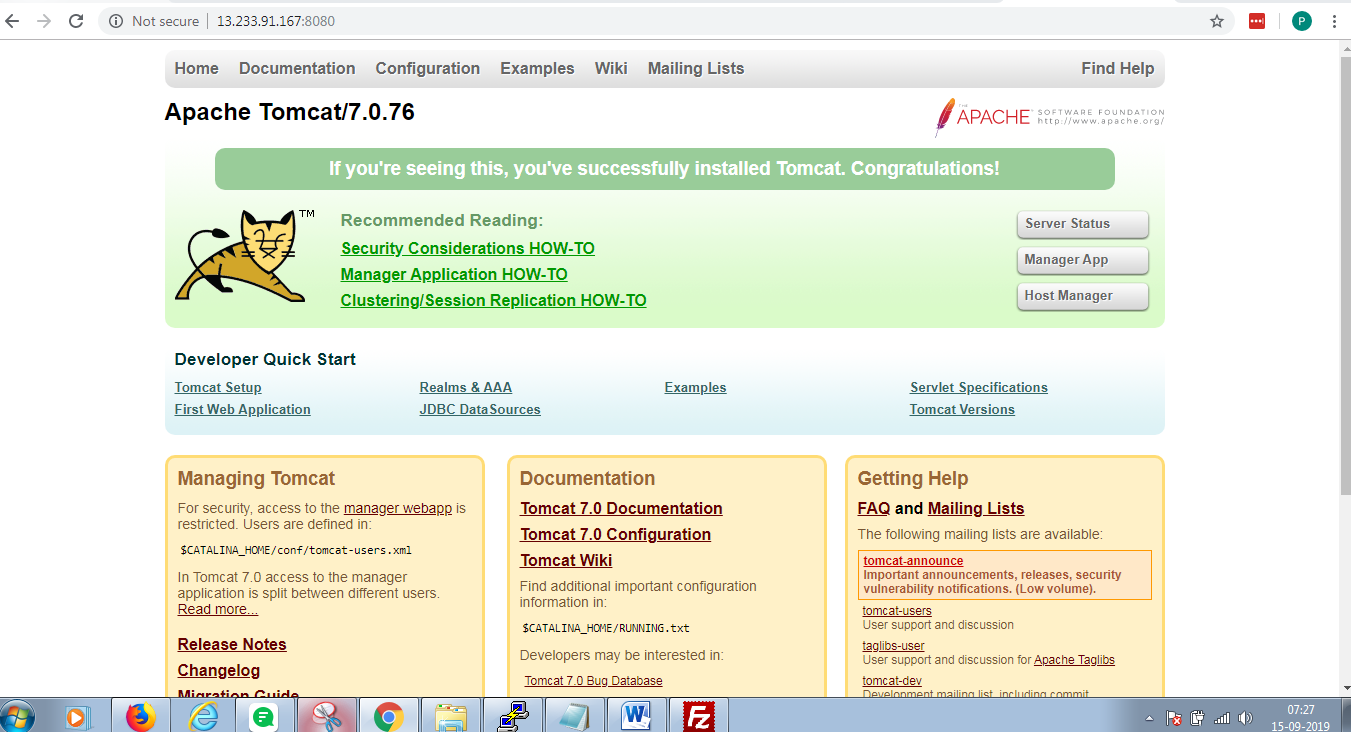
sudo systemctl restart tomcat

sudo systemctl enable tomcat

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Access the Web Interface

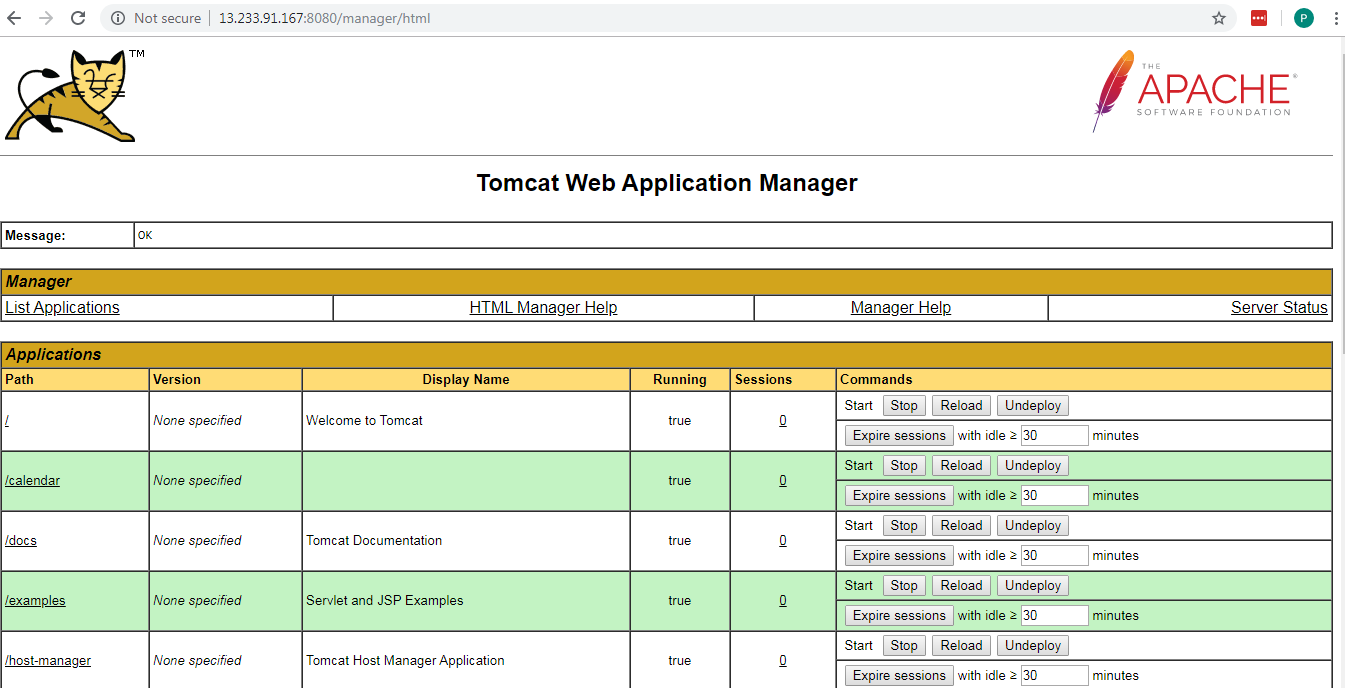
<http://server_IP_address:8080>



click to manager app and login

Once login to tomcat download a warfile from google (example jenkin.war)

Once downloaded in pc brows from tomcat and deploy



Thnaks!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!