**JBoss/Wildfly Application Server Installation in Linux**

JBoss/Wildfly is enterprise application server, it can be used to Deploy the web application as well enterprise application (war file & ear file).

* To Install the Wildfly server the prerecession is 4 Gb Ram server. We have to install the Java also.
* Redhat Linux server
* t2.Medium

sudo su - to switch to root user

cd /opt 🡪 yum install wget -y

yum install java-1.8.0-openjdk-devel -y

yum install java -y

java -version

https://www.wildfly.org/downloads/ for latest version of wildfly.

wget https://github.com/wildfly/wildfly/releases/download/32.0.0.Final/wildfly-32.0.0.Final.zip

Once we install this, we can able to see one zip file

* [root@ip-172-31-2-123 opt]# ls

wildfly-32.0.0.Final.zip

yum install unzip -y

[root@ip-172-31-2-123 opt]# ls

wildfly-32.0.0.Final wildfly-32.0.0.Final.zip

[root@ip-172-31-2-123 wildfly-32.0.0.Final]# ls

appclient bin copyright.txt docs domain jboss-modules.jar LICENSE.txt modules README.txt standalone welcome-content

after then

we have to go to standalone directory there we can see configuration directory

standalone/configuration/ standalone.xml

[root@ip-172-31-2-123 wildfly-32.0.0.Final]# cd standalone/

[root@ip-172-31-2-123 standalone]# ls

configuration deployments lib tmp

[root@ip-172-31-2-123 standalone]# cd configuration/

[root@ip-172-31-2-123 configuration]# ls

application-roles.properties logging.properties mgmt-users.properties standalone-full.xml standalone-load-balancer.xml standalone-microprofile.xml

application-users.properties mgmt-groups.properties standalone-full-ha.xml standalone-ha.xml standalone-microprofile-ha.xml standalone.xml

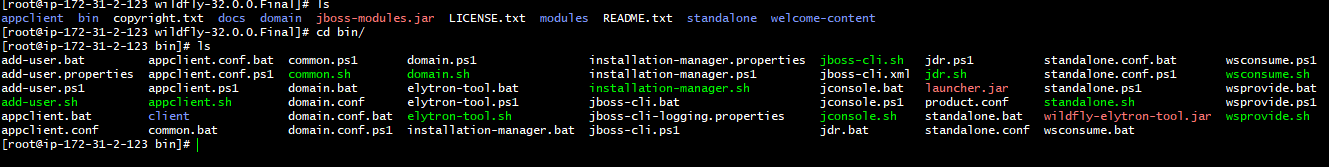
[root@ip-172-31-2-123 configuration]#

Then open the standalone.xml file and update the wildfly server Ip Address (Public/Private) then save the file.

Then we have to create a user for that go to bin directory:

[root@ip-172-31-2-123 wildfly-32.0.0.Final]# cd bin/

[root@ip-172-31-2-123 bin]#



Hear we can see add-user.sh file

Now create a user for that sh add-user.sh

Then give provide the user name and password:-

[root@ip-172-31-2-123 bin]# sh add-user.sh

What type of user do you wish to add?

a) Management User (mgmt-users.properties)

b) Application User (application-users.properties)

(a): a

Enter the details of the new user to add.

Using realm 'ManagementRealm' as discovered from the existing property files.

Username : mithun

Password recommendations are listed below. To modify these restrictions edit the add-user.properties configuration file.

- The password should be different from the username

- The password should not be one of the following restricted values {root, admin, administrator}

- The password should contain at least 8 characters, 1 alphabetic character(s), 1 digit(s), 1 non-alphanumeric symbol(s)

Password :

WFLYDM0100: Password should have at least 1 alphanumeric character.

Are you sure you want to use the password entered yes/no?

\* Error \*

WFLYDM0029: Invalid response. (Valid responses are yes, y, no and n)

WFLYDM0100: Password should have at least 1 alphanumeric character.

Are you sure you want to use the password entered yes/no? yes

Re-enter Password :

What groups do you want this user to belong to? (Please enter a comma separated list, or leave blank for none)[ ]:

About to add user 'mithun' for realm 'ManagementRealm'

Is this correct yes/no? yes

Now we want to start the server:--for that we have one file called : standlone.sh

One we execute this command sh standlone.sh 🡪 it is going to run the server.

Now we have to enable the port number 8080

<http://172.31.2.123:8080>

now we can able to access the wildfly well come page

click on admirative console