WildFly

Introduction

WildFly, formerly known as JBoss AS, or simply JBoss.

It is an Application Server, written in Java and implements the Java Platform, Enterprise Edition (Java EE) specification. It runs on multiple platforms.

WildFly is free and open-source software.

On 20 November 2014, JBoss Application Server was renamed to WildFly.

Installation

WildFly software will be available as a zip file. So, we can unzip it and use it as follows.

Step 1: Download and Unzip WildFly software (wildfly-10.0.0.Final.zip).

Step 2: Open the command prompt and execute the below commands.

>cd WildFlyHome/bin (/opt/WildFly/wildfly-10.0.0.Final/bin)

> standalone.bat ---> Starting the WildFly server in Windows machine.

#sh standalone.sh ---> Starting the WildFly server in MAC/Linux server.

WildFly server is started successfully.

The WildFly management console is served through the default HTTP management endpoint.

Typically that's http://localhost:9990/console

http://localhost:8082

http://mithuntechnologies.com/

Note: WildFly by default will run in 8080 port number.

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How to change the port number?

\# cd /opt/WildFly/wildfly-10.0.0.Final/standalone/configuration/

\#vim standalone.xml

```
    <socket-binding name="management-native" interface="management" port="${jboss.management.native.port:9999}"/>
    <socket-binding name="management-http" interface="management" port="${jboss.management.http.port:9990}"/>
    <socket-binding name="management-https" interface="management" port="${jboss.management.https.port:9443}"/>
    <socket-binding name="ajp" port="8009"/>
    <socket-binding name="http" port="8082"/>
    <socket-binding name="https" port="8443"/>
    <socket-binding name="osgi-http" interface="management" port="8090"/>
    <socket-binding name="remoting" port="4447"/>
    <socket-binding name="txn-recovery-environment" port="4712"/>
    <socket-binding name="txn-status-manager" port="4713"/>
    <outbound-socket-binding name="mail-smtp">
        <remote-destination host="localhost" port="25"/>
    </outbound-socket-binding>
  </socket-binding-group>
```

For auto deployment

Update the below line in standalone.xml

<deployment-scanner scan-interval="5000" relative-to="jboss.server.base.dir"

   path="deployments" **auto-deploy-zipped="true" auto-deploy-exploded="true"**/>

How to create the users in JBoss?

\#cd /opt/WildFly/wildfly-10.0.0.Final/bin

\#sh add-user.sh

```
sh-3.2# cd /opt/WildFly/wildfly-10.0.0.Final/bin
sh-3.2# 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 : admin
The username 'admin' is easy to guess
Are you sure you want to add user 'admin' yes/no? yes
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 :
WFLYDM0102: Password should have at least 1 non-alphanumeric symbol.
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 'admin' for realm 'ManagementRealm'
Is this correct yes/no? yes
Added user 'admin' to file '/opt/WildFly/wildfly-10.0.0.Final/standalone/configuration/mgmt-users.properties'
Added user 'admin' to file '/opt/WildFly/wildfly-10.0.0.Final/domain/configuration/mgmt-users.properties'
Added user 'admin' with groups  to file '/opt/WildFly/wildfly-10.0.0.Final/standalone/configuration/mgmt-groups.properties'
Added user 'admin' with groups  to file '/opt/WildFly/wildfly-10.0.0.Final/domain/configuration/mgmt-groups.properties'
Is this new user going to be used for one AS process to connect to another AS process?
e.g. for a slave host controller connecting to the master or for a Remoting connection for server to server EJB calls.
yes/no? yes
To represent the user add the following to the server-identities definition <secret value="cGFzc3cwcmQ=" />
sh-3.2# 
```

Deploy the application in WildFly server

We will deploy the app in 2 ways.

Method 1) Just we can place the .war or .ear file into WildFlyHome/standalone/deployments/ folder.

Method 2) From WildFly admin console we can deploy.