1. Download JBoss EAP 6.2 from https://www.jboss.org/products/eap/download/ and use the JBoss installer. The default install has a bug and running add-user.sh (or add-user.bat) doesn't work. To add a user

run "add-user.sh -s <username> <password>"

1. Configure the pacbridgeDS datasource in standalone/domain.xml under urn:jboss:domain:datasources:1.1:

<datasource jndi-name=*"java:jboss/datasources/pacbridgeDS"* pool-name=*"pacbridgeDS"* enabled=*"true"* use-java-context=*"true"*>

<connection-url>jdbc:oracle:thin://@cw-rd48:1521:XE</connection-url>

<driver>oracle</driver>

<pool>

<min-pool-size>10</min-pool-size>

<max-pool-size>20</max-pool-size>

<prefill>true</prefill>

</pool>

<security>

<user-name>*username*</user-name>

<password>*password*</password>

</security>

</datasource>

<drivers>

<driver name=*"oracle"* module=*"oracle.ojdbc6"*>

<xa-datasource-class>oracle.jdbc.OracleDriver</xa-datasource-class>

</driver>

</drivers>

The name of the driver in the <datasource > element must match the name in the <driver> element. The module must match a path under the <jboss\_home>/modules directory. The full path is <jboss\_home>\modules\system\layers\base\oracle\jdbc10g\main (for EAP 6.2). Create this directory and drop the oracle 10g jar file in here and create a module.xml file with the following contents:

<?xml version="1.0" encoding="UTF-8"?>  
<module xmlns="urn:jboss:module:1.0" name="oracle.ojdbc6">  
 <resources>  
 <resource-root path="ojdbc6.jar"/>  
 </resources>  
 <dependencies>  
 <module name="javax.api"/>  
 <module name="javax.transaction.api"/>  
 </dependencies>  
</module>

1. Getting access to JGroups LockService: [https://community.jboss.orcd g/thread/218365](https://community.jboss.org/thread/218365)
2. Cluster setup: <https://docs.jboss.org/author/display/AS71/AS7+Cluster+Howto>
3. Make sure <protocol type="CENTRAL\_LOCK"/> is at the top of the JGroups stack definition in domain.xml
4. There is a possibility that you may see these warnings in the JBoss log file:

15:51:26,518 WARN [org.jgroups.protocols.UDP] () JGRP000010: packet from 192.168.170.57:45688 has different version (2.11.0) than ours (3.2.12); packet is discarded (received 5 identical messages from 192.168.170.57:45688 in the last 71,724 ms)

This is caused by another instance of JBoss using the same multicast address as your JBoss instance. It’s an error coming from JGroups and is caused by the two systems trying to form a ‘group’. To get around this, modify the domain.xml file and change either the multicast address or port number in the line:

<socket-binding name="jgroups-udp" port="55200" multicast-address="${jboss.default.multicast.address:230.0.0.4}" multicast-port="45687"/>

1. In the host.xml file, the <interfaces> element must have the IP addresses changed from the 127.0.0.1 to the local IP address.
2. If the jboss is being installed on a server with another web server running that is using 8080, you will have to modify the domain.xml file and change the <socket-binding name="http" port="8080"/> in one of the <socket-binding-group>s (whichever is active) to something else. Pick your favorite port.
3. If you are installed jboss on a server that is running the ZPP, it uses the same port, 9999, as the JBoss management console so you will have to change host.xml:

<management-interfaces>

<native-interface security-realm="ManagementRealm">

<socket interface="management" port="8888"/> <!-- changed from ${jboss.management.native.port:9999} -->

</native-interface>

<http-interface security-realm="ManagementRealm">

<socket interface="management" port="${jboss.management.http.port:9990}"/>

</http-interface>

</management-interfaces>

# Infinispan Setup

Download the WildFly/EAP Moduels package (currently using 7.1.1) from http://infinispan.org/downloads . It comes as a single zip file containing a directory tree that you can just drop into <EAP\_HOME>/modules/system/layers/base. That should give you everything you require.