

1. Clone conch repo <https://github.com/gsfyrakis/conch> (Branch cccv2)
2. install mysql 5.6 <https://dev.mysql.com/downloads/mysql/5.6.html#downloads>
3. download jboss-eap-6.4 <https://developers.redhat.com/download-manager/file/jboss-eap-6.4.0.GA-installer.jar> or jboss as 7.1.1 <http://download.jboss.org/jbossas/7.1/jboss-as-7.1.1.Final/jboss-as-7.1.1.Final.zip>
4. install jboss-eap → choose admin password
5. copy conch/JBOSS-EAP-6.4 configuration/mysql folder to jboss-eap-6.4/modules/com
6. add datasource and driver configuration in jboss-eap-6.4/standalone/configuration/standalone-full.xml file

```
<datasource jta="false" jndi-name="java:jboss/datasources/RopeDS" pool-name="RopeDS" enabled="true" use-ccm="false">

    <connection-url>jdbc:mysql://127.0.0.1:3306/rope_historical</connection-url>

    <driver-class>com.mysql.jdbc.Driver</driver-class>

    <driver>mysql</driver>

    <security>

        <user-name>rope</user-name>

        <password>Me!Uj4^w</password>

    </security>

    <validation>

        <validate-on-match>>false</validate-on-match>

        <background-validation>>false</background-validation>

    </validation>

    <statement>

        <share-prepared-statements>>false</share-prepared-statements>

    </statement>

</datasource>

<drivers>

    <driver name="mysql" module="com.mysql"/>

    <driver name="h2" module="com.h2database.h2">

        <xa-datasource-class>org.h2.jdbcx.JdbcDataSource</xa-datasource-class>

    </driver>

</drivers>
```

6. copy conch/JBOSS-EAP-6.4 configuration/drools to jboss-eap-6.4/standalone/ to install default contract
7. edit change-set.xml in jboss-eap-6.4/standalone/drools/upload with full path to Rule.drl
8. export JBOSS\_HOME=<installation path for jboss-eap-6.4>
9. execute conch/run.sh script
10. check for any exceptions
11. install maven 3.3.9
12. create .mavenrc file in user folder |
13. add configuration to .mavenrc file

```
JAVA_HOME='/Library/Java/JavaVirtualMachines/jdk1.7.0_80.jdk/Contents/Home'
```

```
JAVA_OPTS="-Xms512m -Xmx1024m -Xss512k -XX:PermSize=64m -XX:MaxPermSize=128m"
```

12. copy conch/JBOSS-EAP-6.4/settings.xml to ~/.m2/
13. execute in conch folder → mvn clean package jboss-as:deploy
14. check jboss logs for any exceptions
- 15:45:22,446 INFO [org.jboss.as.server] (management-handler-thread - 1) JBAS015859: Deployed "CCCRest-ear.ear" (runtime-name : "CCCRest-ear.ear")
15. <http://localhost:8080/CCCRest-ear-web/UploadForm.html> to upload a new set of rules to the CCC
16. build client and run examples using client app under conch/CCCRestClient/ → ./runClient.sh