

Metacat - Bug #452

Configure ssl in dev and ecoinfo

04/02/2002 11:00 AM - Jing Tao

Status:	Resolved	Start date:	04/02/2002
Priority:	Normal	Due date:	
Assignee:	Jing Tao	% Done:	0%
Category:	metacat	Estimated time:	0.00 hour
Target version:	1.1	Spent time:	0.00 hour
Bugzilla-Id:	452		
Description			
We already configured ssl in local machine (Tomcat standalone). Now we need to configure dev and ecoinfo. But in these machines, apache is the web server and need more configuration than tomcat standalone.			

History

#1 - 04/02/2002 09:17 PM - Jing Tao

1. Enable Apache over ssl:

In /etc/httpd/conf/httpd.conf file, comment every <ifdef have_ssl>

2. Restart Apache:

```
/etc/init.d/httpd stop
```

```
/etc/init.d/httpd start
```

3. Download and install JSSE:

Download JSSE package from java.sun.com and unzip it. Copy the three files - jcert.jar, jnet.jar and jsse.jar in Jsse_home/lib to \$Java_home/jre/lib/ext

4. Edit file \$Tomcat_home/conf/server.xml

Uncomment the part about https and make them look like:

```
<Http10Connector port="8443"
secure="true"
keystore="/home/tao/.keystore"
keypass="123456"
clientAuth="false"
```

```
SSLImplementation="org.apache.tomcat.util.net.JSSEImplementation" />
```

Don't comment the Http10Connector for port 8080. It will be use to catch systle sheet and other things.

5. Edit the build.xml in metacat.

Add a property named systemidserver, its value="http://dev.nceas.ucsb.edu"

6. Install Metacat again from scratch (include "ant dtdsql")

7. Stop and start tomcat.

Now, dev can support ssl.

#2 - 04/03/2002 10:42 AM - Jing Tao

6.b Put the public of Apache into default keystore of Java:

If Metacat cmmunicate to Apache server by https, for example to call a systle sheet, Apache pulbic key should be import into a keystore. Because Metacat didn't specify the keystore, the public key should be import the default store: \$java_home/jre/lib/security/cacerts. The import can be finished by keytool commnad. The location of public key of Apache server can found in /etc/httpd/conf/httpd.conf file.

Moreover, when Apache as web server and Tomcat as servlet container, we only need to distribute the public of Apache. Actually, Tomcat don't need any private key or public key.

#3 - 04/18/2002 03:37 PM - Jing Tao

Testing between dev and my local amchine, the replication work well through ssl.

#4 - 03/27/2013 02:14 PM - Redmine Admin

Original Bugzilla ID was 452