JailManagement

Contents

This page contains some notes about management of `cocoon-vm.apache.org`.

SSH Access

Preconditions:

1. your SSH public key checked in at https://svn.apache.org/repos/infra/infrastructure/trunk
2. fire a ticket on JIRA to infra to create an account for you

Environment setup

Maven 3.0

```
alias mvn=/opt/apache-maven-3.2.5/bin/mvn
```

Application sources

Sources for application deployed in jail are available at https://svn.apache.org/repos/asf/cocoon/trunk/jail and checked out in /usr/local/src/cocoon-jail/

Index page

No need to build anything, plain HTML page.

Cocoon 3.0 samples

To build, cd under cocoon3 and launch

```
mvn clean package
```

Cocoon 2.2 samples

Please follow instructions contained in cocoon2.2/README.

Cocoon 2.1 samples

To build, cd under cocoon2.1 and launch

```
ant clean cocoon:get webapp war
```

Deployment

http://cocoon-vm.apache.org/ is the base URL for reaching an Apache HTTPD 2.2 instance having:

- document directory `/var/www`
- configuration directory `/etc/apache22`

This HTTPD instance is acting as a reverse proxy for an Apache Tomcat 7.0 instance having CATALINA_HOME at `/opt/apache-tomcat-7.0`.

The reverse proxy configuration is located at /etc/apache2/mods-enabled/proxy.conf

```
<Location "/cocoon21">
        ProxyPass http://localhost:8080/cocoon21
        ProxyPassReverse http://localhost:8080/cocoon21
</Location>
<Location "/cocoon22">
        ProxyPass http://localhost:8080/cocoon22
        ProxyPassReverse http://localhost:8080/cocoon22
</Location>
<Location "/cocoon3">
        ProxyPass http://localhost:8080/cocoon3
        ProxyPassReverse http://localhost:8080/cocoon3
</Location>
```

Index page

```
sudo cp index.html /var/www
```

Cocoon 3.0 samples

Once built,

```
sudo cp cocoon3-sample-webapp/target/cocoon3-sample-webapp-3.0.0-beta-1-SNAPSHOT.war /opt/apache-tomcat-7.0
/webapps/cocoon3.war
```

Cocoon 2.2 samples

Once built,

```
sudo cp core/cocoon-webapp/target/cocoon-webapp.war /opt/apache-tomcat-7.0/webapps/cocoon22.war
```

Cocoon 2.1 samples

Once built,

```
sudo cp build/cocoon-2.1-samples.war /opt/apache-tomcat-7.0/webapps/cocoon21.war
```

> ⚠ **Note**
>
> Due to a different handling of SAX parsers, you will need to remove any xercesImpl-*.jar and xml-apis-*.jar from /opt/apache-tomcat-7.0
> /webapps/*/WEB-INF/lib and put the most updated versions of the same JAR files under /opt/apache-tomcat-7.0/lib

Service management

Use standard Ubuntu way, i.e.

```
sudo service apache2 [start | status | stop]
```

and

```
sudo service tomcat [start | status | stop]
```

⚠

> ⚠️ **Note**
>
> After INFRA-4685, a script /usr/local/bin/restartCocoonServices.sh has been configured (via /etc/crontab) to restart apache2 and tomcat services once a day.