

# JailManagement

## Contents

- [SSH Access](#)
- [Environment setup](#)
  - [Maven 3.0](#)
- [Application sources](#)
  - [Index page](#)
  - [Cocoon 3.0 samples](#)
  - [Cocoon 2.2 samples](#)
  - [Cocoon 2.1 samples](#)
- [Deployment](#)
  - [Index page](#)
  - [Cocoon 3.0 samples](#)
  - [Cocoon 2.2 samples](#)
  - [Cocoon 2.1 samples](#)
- [Service management](#)

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/apache2`

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.