

Running Lenya Behind Apache with mod_proxy_ajp

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1. Configuring the AJP Connector in Tomcat

The file `$TOMCAT_HOME/conf/server.xml` contains an AJP 1.3 connector on port 8009 by default:

```
<Connector port="8009" enableLookups="false" redirectPort="8443" protocol="AJP/1.3"/>
```

If the connector is not present, you have to add it.

2. Configuring the Apache Web Server

Now we'll declare the virtual hosts for the Apache web server. This is done in a file called `httpd-vhosts.conf`. On Mac OS X, it is located in the directory `/opt/local/apache2/conf/extra`. The contents of the file should look like this:

```
NameVirtualHost *:80
NameVirtualHost *:443

# This is the non-SSL host for the authoring environment.
<VirtualHost *:80>
    ServerAdmin webmaster@cms.example.com
    ServerName cms.example.com
    ServerAlias cms

    ProxyRequests Off

    RewriteEngine On
    RewriteLog /home/john/src/www/logs/cms.example.com-rewrite_log
    RewriteLogLevel 4

    # Redirect the login usecase to https
    RewriteCond %{QUERY_STRING} (.*?)lenya\.usecase=ac\.login(.*?)
    RewriteRule ^/(.*) https://%{SERVER_NAME}/$1 [R,L]

    <Location /lenya/>
        ProxyPass ajp://localhost:8009/lenya/
        ProxyPassReverse http://cms.example.com/lenya/
    </Location>

    <Location /modules/>
        ProxyPass ajp://localhost:8009/modules/
        ProxyPassReverse http://cms.example.com/modules/
    </Location>

    <Location /default/modules/>
        ProxyPass ajp://localhost:8009/default/modules/
        ProxyPassReverse http://cms.example.com/default/modules/
    </Location>

    <Location />
        ProxyPass ajp://localhost:8009/default/
        ProxyPassReverse http://cms.example.com/default/
    </Location>

    ErrorLog /home/john/src/www/logs/cms.example.com-error_log
    CustomLog /home/john/src/www/logs/cms.example.com-access_log common
</VirtualHost>

# This is the SSL host for the authoring environment.
<VirtualHost *:443>
    ServerName cms.example.com
    ServerAlias cms

    ProxyRequests Off

    SSLEngine On
    SSLCipherSuite ALL:!ADH:!EXPORT56:RC4+RSA:+HIGH:+MEDIUM:+LOW:+SSLv2:+EXP:+eNULL
```

```
SSLCertificateFile /home/john/pki/server.crt
SSLCertificateKeyFile /home/john/pki/server.key

<Location /lenya/>
    ProxyPass ajp://localhost:8009/lenya/
    ProxyPassReverse https://cms.example.com/lenya/
</Location>

<Location /modules/>
    ProxyPass ajp://localhost:8009/modules/
    ProxyPassReverse https://cms.example.com/modules/
</Location>

<Location /default/modules/>
    ProxyPass ajp://localhost:8009/default/modules/
    ProxyPassReverse https://cms.example.com/default/modules/
</Location>

<Location />
    ProxyPass ajp://localhost:8009/default/
    ProxyPassReverse https://cms.example.com/default/
</Location>

ErrorLog /home/john/src/www/logs/ssl.cms.example.com-error_log
CustomLog /home/john/src/www/logs/ssl.cms.example.com-access_log common

</VirtualHost>

# This is the non-SSL host for the live area.
<VirtualHost *:80>
    ServerAdmin webmaster@www.example.com
    ServerName www.example.com
    ServerAlias www

    ProxyRequests Off

    <Location />
        ProxyPass ajp://localhost:8009/default/live/
        ProxyPassReverse http://www.example.com/default/live/
    </Location>

    ErrorLog /home/john/src/www/logs/www.example.com-error_log
    CustomLog /home/john/src/www/logs/www.example.com-access_log common
</VirtualHost>
```