

Running Lenya Behind Apache with mod_proxy

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1 Configuring the Apache Web Server

First 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`. If you're using Jetty on port 8888, 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

    # Turn proxy requests off for security reasons
    ProxyRequests Off

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

    # First we match everything which is not mapped to /default/{area}
    RewriteRule ^/lenya/(.*) http://cms.example.com:8888/lenya/$1 [P,L]
    RewriteRule ^/modules/(.*) http://cms.example.com.com:8888/modules/$1 [P,L]
    RewriteRule ^/default/modules/(.*) http://cms.example.com:8888/default/modules/$1 [P,L]

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

    # Forward the areas to the proxy
    RewriteRule ^/(.*) http://cms.example.com:8888/default/$1 [P,L]
    ProxyPassReverse / http://cms.example.com:8888/default/

    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>
    ServerAdmin webmaster@cms.example.com
    ServerName cms.example.com
    ServerAlias cms

    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

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

    RewriteRule ^/lenya/(.*) http://cms.example.com:8888/lenya/$1 [P,L]
    RewriteRule ^/modules/(.*) http://cms.example.com.com:8888/modules/$1 [P,L]
    RewriteRule ^/default/modules/(.*) http://cms.example.com:8888/default/modules/$1 [P,L]

    RewriteRule ^/(.*) http://cms.example.com:8888/default/$1 [P,L]
    ProxyPassReverse / http://cms.example.com:8888/default/

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

    ProxyRequests Off
    RewriteEngine On
    RewriteLog /Users/john/src/www/logs/www.example.com-rewrite_log
    RewriteLogLevel 4

    RewriteRule ^/([^\.]+)$ $1/ [R]
    RewriteRule ^/(.*) http://www.example.com:8888/default/live/$1 [P,L]
    ProxyPassReverse / http://www.example.com:8888/default/live/

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

If you're using Tomcat on port 8080 with Lenya in the context path *lenya14*, you have to change the port and add the context path accordingly:

```
RewriteRule ^/(.*) http://cms.example.com:8080/lenya14/default/authoring/$1 [P,L]
ProxyPassReverse / http://cms.example.com:8080/lenya14/default/authoring/
```

Note:

With this setup, your browser might show error messages like "You have requested an encrypted page that contains some unencrypted information" when accessing a page with the `https` protocol. This is because Apache always connects to Lenya with the `http` protocol, so Lenya doesn't know that it should use `https` links to include images etc. on this page. This problem won't occur if you use the [mod_proxy_ajp](#) (`../../../../../docs/2_0_x/tutorials/proxy/mod_proxy_ajp.html`) approach.