

# Connecting Apache with Tomcat

# Different ways to connect:

- using `mod_proxy` (much simpler)
- using `mod_jk`

# Using mod\_proxy

- Open conf/httpd.conf in a text editor (WordPad)
- Uncomment the line `LoadModule proxy_module modules/mod_proxy.so`
- Uncomment the line `LoadModule proxy_http_module modules/mod_proxy_http.so`
- Add the following lines at the end of httpd.conf:  

```
ProxyPass /geonetwork http://127.0.0.1:8080/geonetwork  
ProxyPassReverse /geonetwork http://127.0.0.1:8080/geonetwork
```
- Restart Apache 2

# Using mod\_jk on windows

- Download latest version of mod\_jk 1.2 from <http://tomcat.apache.org/download-connectors.cgi> (mod\_jk-apache-2.0.55.so)
- Rename it mod\_jk.so
- Move it into Apache2/modules directory

# Using mod\_jk on windows

- Open Apache2/conf/httpd.conf in a text editor (WordPad)

- Uncomment the line:

```
#LoadModule rewrite_module modules/mod_rewrite.so
```

removing the leading #

- Add the following line at the end of the file:

```
include conf/geonetwork.conf
```

# Using mod\_jk on windows

- Create the file `conf/geonetwork.conf`
- Write the following text into it or copy the file from the cd:

```
LoadModule jk_module modules/mod_jk.so
JkWorkersFile conf/workers.properties
JkLogFile logs/mod_jk.log
JkLogLevel error
JkLogStampFormat "[%a %b %d %H:%M:%S %Y] "
JkOptions +ForwardKeySize +ForwardURICompat -ForwardDirectories
JkMount /geonetwork/* worker1
JkRequestLogFormat "%w %V %T"

RewriteEngine on
RewriteRule ^/geonetwork$ /geonetwork/ [R]
```

# Using mod\_jk on windows

- Create the file `conf/workers.properties`
- Write the following text into it or copy the file from the cd:

```
# Define 1 real worker using ajp13
worker.list=worker1
# Set properties for worker1 (ajp13)
worker.worker1.type=ajp13
worker.worker1.host=localhost
worker.worker1.port=8009
worker.worker1.lbfactor=50
worker.worker1.cachesize=10
worker.worker1.cache_timeout=600
worker.worker1.socket_keepalive=1
worker.worker1.recycle_timeout=300
```

- Restart Apache 2