
Running mod_jk over SSL with Apache 2.2.22 (SP 3.4.0+)

- **Article Type:** General
 - **Product:** DigiTool
 - **Product Version:** 3
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Description

Running mod_jk over SSL with Apache 2.2.22 (SP 3.4.0+) requires additional configuration. Please follow the following steps:

1 - Add lines to ssl.conf file:

Add the following "JkMount" lines in `./dtle/apache/conf/ssl.conf`, in `<VirtualHost>` tag:

```
<VirtualHost>
# Mount your applications
JkMount /mng* localnode
JkMount /deposit* localnode
JkMount /webclient* localnode
JkMount /approver* localnode
JkMount /webingest* localnode
JkMount /collection* localnode
JkMount /j2k* localnode
JkMount /metsviewer* localnode
JkMount /view* localnode
JkMount /oai* localnode
JkMount /ImageServer* localnode2
JkMount /digitool-report* localnode
</VirtualHost>
```

2 - Edit mod-jk-workers.properties file:

Comment the following lines in `./dtle/apache/conf/mod-jk-workers.properties`:

```
#worker.localnode.local_worker=1
#worker.localnode.cachesize=10
#worker.localnode2.local_worker=2
#worker.localnode2.cachesize=10
```

3 - Confirm following setting in `./dtle/apache/conf/httpd.conf`:

Change from -

```
LoadModule dtl_module /exlibris/dtl/d3_2/dtl/exe/mod_dtl.so
```

To -

```
LoadModule dtl_module /exlibris/dtl/d3_2/dtl/exe/mod_dtl_22.so
```

Add -

```
<IfModule mod_dtl_22.c>
ServerAddr 127.0.0.1
ServerPort 4882
OAIServerAddr 127.0.0.1
OAIServerPort 3882
</IfModule>
```

4 - Restart Apache

Note: As Apache will be listening on privileged ports 80 or 443, then Apache must be started as ROOT using `apachectl_auto`.

The `-DSSL` flag must be added to `apachectl_auto`.

Eg:

```
#!/bin/csh -f
source /exlibris/dtl/u3_1/dtle/dtl_start
$httpd_bin/httpd -d $httpd_root -DSSL
```

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- **Article last edited:** 10/8/2013