

# Building the isapi\_redirect (mod\_jk) binaries for Windows

This page describes the process for building the isapi\_redirect.dll (mod\_jk) for Windows. This is the native plug-in for IIS that provides broadly the same functionality as mod\_jk does for httpd.

These instructions assume that you have configured the [common build environment](#).

## Building

The isapi\_redirector.dll requires no other external dependencies (it does depend on PCRE but this is included in the source). Obtain the tcnative source from one of:

- the win32-src.zip source bundle for the version you wish to build;
- <https://github.com/apache/tomcat-connectors>

E.g.: To build the latest 1.2.x development build from trunk

Obtain the source code:

```
c:
cd \
git clone https://github.com/apache/tomcat-connectors tomcat-jk-1.2.x
cd tomcat-jk-1.2.x\native\iis
```

Build isapi\_redirector.dll:

```
c:\cmisc\setenv.bat x86
nmake -f Makefile.vc

c:\cmisc\setenv.bat x64
nmake -f Makefile.vc
```

Tomcat isapi\_redirect DLLs may then be found in C:\tomcat-jk-1.2.x\native\iis[x86|x64]\_RELEASE

Construct the binary distributions

```
set VER=1.2.43
mkdir tomcat-connectors-%VER%-windows-i386-iis
copy ..\..\LICENSE tomcat-connectors-%VER%-windows-i386-iis\
copy ..\..\NOTICE tomcat-connectors-%VER%-windows-i386-iis\
copy README tomcat-connectors-%VER%-windows-i386-iis\
copy x86_RELEASE\isapi_redirect.dll tomcat-connectors-%VER%-windows-i386-iis\

mkdir tomcat-connectors-%VER%-windows-x86_64-iis
copy ..\..\LICENSE tomcat-connectors-%VER%-windows-x86_64-iis\
copy ..\..\NOTICE tomcat-connectors-%VER%-windows-x86_64-iis\
copy README tomcat-connectors-%VER%-windows-x86_64-iis\
copy x64_RELEASE\isapi_redirect.dll tomcat-connectors-%VER%-windows-x86_64-iis\

mkdir tomcat-connectors-%VER%-windows-i386-symbols
copy ..\..\LICENSE tomcat-connectors-%VER%-windows-i386-symbols
copy ..\..\NOTICE tomcat-connectors-%VER%-windows-i386-symbols
copy x86_RELEASE\isapi_redirect.pdb tomcat-connectors-%VER%-windows-i386-symbols\

mkdir tomcat-connectors-%VER%-windows-x86_64-symbols
copy ..\..\LICENSE tomcat-connectors-%VER%-windows-x86_64-symbols
copy ..\..\NOTICE tomcat-connectors-%VER%-windows-x86_64-symbols
copy x64_RELEASE\isapi_redirect.pdb tomcat-connectors-%VER%-windows-x86_64-symbols\

SET JAVA_HOME=C:\Java\adopt-8.0.242.09-x64
set PATH=%PATH%;%JAVA_HOME%\bin
cd tomcat-connectors-%VER%-windows-i386-iis
jar -cmf ..\tomcat-connectors-%VER%-windows-i386-iis.zip *
cd ..\tomcat-connectors-%VER%-windows-x86_64-iis
jar -cmf ..\tomcat-connectors-%VER%-windows-x86_64-iis.zip *

cd ..\tomcat-connectors-%VER%-windows-i386-symbols
jar -cmf ..\tomcat-connectors-%VER%-windows-i386-symbols.zip *
cd ..\tomcat-connectors-%VER%-windows-x86_64-symbols
jar -cmf ..\tomcat-connectors-%VER%-windows-x86_64-symbols.zip *
```

The Windows binary distributions may then be found in C:\tomcat-jk-1.2.x\native\iis

These need to be signed and hashed before uploading for the release vote.