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://svn.apache.org/repos/asf/tomcat/jk

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

Obtain the source code:

c: \nsvn co https://svn.apache.org/repos/asf/tomcat/jk/trunk/ tomcat-jk-1.2.x

Build isapi_redirector.dll:

c:\cmsc\setenv.bat /x86
nmake -f Makefile.x86

c:\cmsc\setenv.bat /x64
nmake -f Makefile.amd64

Tomcat isapi_redirect DLLs may then be found in C:\tomcat-jk-1.2.x\native\iis\Release_[amd64|x86].

Construct the binary distributions

set VER=1.2.43
mkdir tomcat-connectors-%VER%-windows-i386-iis
	copy ..\..\LICENSE tomcat-connectors-%VER%-windows-i386-iis\LICENSE
	copy ..\..\NOTICE tomcat-connectors-%VER%-windows-i386-iis\NOTICE
	copy Release_x86\isapi_redirect.dll tomcat-connectors-%VER%-windows-i386-iis\Release_x86\isapi_redirect.dll
mkdir tomcat-connectors-%VER%-windows-x86_64-iis
	copy ..\..\LICENSE tomcat-connectors-%VER%-windows-x86_64-iis\LICENSE
	copy ..\..\NOTICE tomcat-connectors-%VER%-windows-x86_64-iis\NOTICE
	copy README tomcat-connectors-%VER%-windows-x86_64-iis\README
	copy Release_amd64\isapi_redirect.dll tomcat-connectors-%VER%-windows-x86_64-iis\Release_amd64\isapi_redirect.dll
mkdir tomcat-connectors-%VER%-windows-i386-symbols
	copy ..\..\LICENSE tomcat-connectors-%VER%-windows-i386-symbols\LICENSE
	copy ..\..\NOTICE tomcat-connectors-%VER%-windows-i386-symbols\NOTICE
	copy Release_x86\isapi_redirect.pdb tomcat-connectors-%VER%-windows-i386-symbols\Release_x86\isapi_redirect.pdb
mkdir tomcat-connectors-%VER%-windows-x86_64-symbols
	copy ..\..\LICENSE tomcat-connectors-%VER%-windows-x86_64-symbols\LICENSE
	copy ..\..\NOTICE tomcat-connectors-%VER%-windows-x86_64-symbols\NOTICE
	copy Release_amd64\isapi_redirect.pdb tomcat-connectors-%VER%-windows-x86_64-symbols\Release_amd64\isapi_redirect.pdb

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 ..
cd tomcat-connectors-%VER%-windows-x86_64-iis
jar -cMf ..\tomcat-connectors-%VER%-windows-x86_64-iis.zip *
cd..
cd tomcat-connectors-%VER%-windows-i386-symbols
jar -cMf ..\tomcat-connectors-%VER%-windows-i386-symbols.zip *
cd..
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.