**NetDimensions 15.0 Apache Configuration File Instructions**

Example config files have been provided for you and are listed below. Please keep in mind these are provided as is and are best effort and may not work for every environment depending on your customized setup:

* Httpd.conf
* Httpd-ahssl.conf
* Httpd-vhosts.conf
* Workers.properties
* Mod\_jk.conf

To use these files as is, the following criteria have to be met:

* Apache has to be installed to D:\nd\Apache2.
* Tomcat has to be installed to D:\nd\Tomcat8.
* Within the D:\nd\Tomcat8\conf folder you must create a \jk\conf folder structure.
  + As in: D:\nd\Tomcat8\conf\jk\conf

Once this folder structure is created, copy these files to the following directories after first backing up the original files located there:

* Copy httpd.conf to D:\nd\Apache2\conf.
* Copy httpd-ahssl.conf and httpd-vhosts.conf to D:\nd\Apache2\conf\extra.
* Copy workers.properties and mod\_jk.conf to D:\nd\Tomcat8\conf\jk\conf.
* Browse to <http://archive.apache.org/dist/tomcat/tomcat-connectors/jk/binaries/windows/> and download the mod\_jk module. In this example we have used version 1.2.40 so we downloaded tomcat-connectors-1.2.40-windows-x86\_64-httpd-2.4.x.zip.
* After unzipping the file you just downloaded, copy mod\_jk.so to D:\nd\Apache2\modules.

Next we need to copy over your SSL certs to the D:\nd\Apache2\conf\ssl\ directory. These should include a .crt and .key file along with the intermediary CA .crt file you purchased. Edit the following lines in httpd-ahssl.conf to include the filenames of your certificate files:

* SSLCertificateFile D:\nd\Apache2\conf\ssl\netdimensions.com.no-passphrase.crt
* SSLCertificateKeyFile D:\nd\Apache2\conf\ssl\netdimensions.com.no-passphrase.key
* SSLCACertificateFile D:\nd\Apache2\conf\ssl\gd\_bundle-g2-g1.crt

Finally, we need to make further edits to change any domain names in the httpd-vhosts.conf and httpd-ahssl.conf files to match your domain for both servername values and log filename values. Search for anything named “ntstest1.netdimensions.com” and replace these values with your hostname.domain.com.

Examples of lines in httpd-vhost.conf that should be changed for your custom domain:

* ServerName ntstest1.netdimensions.com
* ErrorLog logs/ntstest1.netdimensions.com-error.log
* CustomLog logs/ntstest1.netdimensions.com-access.log common

Examples of lines in httpd-ahssl.conf that should be changed for your custom domain:

* ServerName ntstest1.netdimensions.com
* ErrorLog logs/ntstest1.netdimensions.com-ssl-error.log
* CustomLog logs/ntstest1.netdimensions.com-ssl-access.log common
* TransferLog logs/ntstest1.netdimensions.com-ssl-access.log

Now that the config files have been edited, and assuming you’ve completed the rest of the setup in the NTS 15.0 manual, we can attempt to start your site.

The following is a way to check the syntax of all your config files before starting the Apache service.

* Browse to D:\nd\Apache2\bin in an administrative command prompt.
* Type httpd -t and press enter.
* This will test your configs and if all is well return “Syntax OK”.
* Should your syntax check return errors, review the lines and files where these errors occur, fix them, and run the syntax check again.
* Assuming your syntax checks out, you can now start the Apache and Tomcat services and attempt to browse to your site.