Tick42 RMDS Bridge Binary Release

This note describes how to install and run the binary releases on both Linux and Windows

The binary release provides the ability to run the Bridge with the OpenMAMA sample mamalistenC, connecting to an existing RMDS (TREP) system without having to build any source code.

Dependencies

The release includes prebuilt OpenMAMA libraries and other libraries. We do not include the Thomson -Reuters libraries. You will need to obtain a copy of the TR UPA SDK, (this version of the bridge is built with (7.6.1.L1) and copy the required runtime libraries as described below

Linux

This document describes how to run the binary release for Linux.

This build is targeted for RHEL (Centos) 6 – 64bit

After you have downloaded and unpacked the UPA sdk from Thomson Reuters, please run the script LinuxSoLink in the top level directory to set up soft links for the shared libraries.

1. Extract the tarball package to a directory of your choice. The package is then extracted into a directory called rmdsbridge-1.4.0-linux. For example extract:

    tar xvzf rmdsbridge-1.4.0-linux.tgz

2. Change directory to where the tar ball is extracted:

    cd rmdsbridge-1.4.0-linux

3. This package does not include any of the UPA components, so copy them from their location:

It is useful to set up an environment variable TICK42_UPA to the root directory of the UPA SDK installation. Then you can copy files as below

cp $TICK42_UPA/etc/enumtype.def .

cp $TICK42_UPA/etc/RDMFieldDictionary .

cp $TICK42_UPA/Libs/RHEL6_64_GCC444/Optimized/Shared/librssl-7.6.1.L1.so .

cp $TICK42_UPA/Libs/RHEL6_64_GCC444/Optimized/Shared/librssl.so .

cp $TICK42_UPA/Libs/RHEL6_64_GCC444/Optimized/Shared/librssl.so.1 .

4. Make sure that mamalistenc and mamalistenc.sh scripts have executable permissions.

5. Edit the mama.properties file to set the mama.tick42rmds.transport.rmd_sub.host and port setting to the correct values for your environment (i.e. host and port for an ADS)

6. You can now run the script to request a single symbol

./mamalistenc.sh <source name> <instrument name>

The script is a simple wrapper around mamalistenC so is easy enough to modify to request multiple securities, lists from a file etc.

Windows

This release is built for contains versions for both 64 bit and 32 bit Windows using Visual studio 2012. They are in separate zip files rmdsbridge-1.4.0-windows-x64.zip and rmdsbridge-1.4.0-windows-x86.zip

The required runtime components are included in the release.

1. Unzip the package to a directory of your choice

2. Copy the UPA components into the same directory. Again it may be useful to set an environment variable to the root of your UPA sdk installation

%TICK42_UPA%\etc\enumtype.def

 %TICK42_UPA%\etc\RDMFieldDictionary

%TICK42_UPA %\Libs\WIN_64_VS110\Release_MD\Shared\librssl.dll

(or the equivalent 32 bit library in case you are running the 32 bit binary release)

3. Edit the mama.properties file to set the mama.tick42rmds.transport.rmds_sub.host and port setting to the correct values for your environment (i.e. host and port for an ADS)

4. You can now run the sample command script

rundemo.cmd source symbol

for example

rundemo.cmd IDN VOD.L

The script is a simple wrapper around mamalistenc so is easy enough to modify to request multiple securities, lists from a file etc. It set the WOMBAT_PATH environment variable to the current directory so will use the default mama.properties file included in the download – this prevents interference with any other mama components that might already be installed.