Tick42 RMDS Bridge Notes

This document summarises what is required to build and run the bridge from the source code.

Dependencies

The bridge depends on a number of 3rd party libraries and SDKs. In order to simplify version management all references to the 3rd party sdk include and library paths is through environment variables as below(with examples)

TICK42_BOOST=C:\Dev\boost_1_54_0_win32

TICK42_BOOST_64=C:\Dev\boost_1_54_0_x64

UPA
The UPA sdk is available from Reuters through the RDC

TICK42_UPA=C:\Dev\upa\upa7.6.1.L1.win.rrg

OpenMAMA
The OpenMAMA sdk is available for download from OpenMAMA

TICK42_OPENMAMA=C:\Dev\openmama-src-6.1.0

There is a post build step in the bridge build script that copies the various lib and test exe files into the project output folder. In order for this to work, sufficient of the OpenMAMA components need to be rebuilt. This can be achieved by doing a "Rebuild All" on the" mamalistenc", "openmamdaotomibook ticker" and the "openmamdabookticker" examples

Boost
The boost libraries are available from boost.org but the bridge only uses a very small subset. We make available pre-built in ./tools. Simply unzip either t42boost_1.54.0_win32.zip or t42boost_1_54_0_x64 and set the environment variables accordingly

Build the Source

Load the sln file into VisualStudio 2012 and do a Rebuild All

To run the binaries

You will need to configure a mama.properties file. The binary release contains a minimal mama.properties that is sufficient to run the mamalistenc.exe sample in this release.

1. Set an environment variable "WOMBAT_PATH" to the directory containing your mama.properties file

2. Edit mama.properties to set the hostname and port for RMDS connection, for example

mama.tick42rmds.transport.rmds_tport.host=192.168.1.29

mama.tick42rmds.transport.rmds_tport.port=14002

Other properties inthe file can be set as required.

mamalistenc.cmd provides an example command line to request "EUR=" and "GBP=" It should be edited to set the source name