

# 3rd Party Software

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## ActiveMQ

ActiveMQ is an open source message solution developed by Apache. See the ActiveMQ [project page](#) for more details.

Within ICT Virtual Human projects, ActiveMQ is used to send messages between modules, as defined on the [Architecture](#) page. For ease of development and to ensure consistency, a library wrapper for ActiveMQ has been developed, called Virtual Human Messaging (VHMSG). Please visit the [VHMsg](#) page for details on how to use VHMSG and ActiveMQ.

## Boost

Boost is standard set of open source supporting libraries for C++. See the Boost [site](#) for more information.

## Ogre

Ogre is an open source 3D rendering engine. The open source software development kit for the Ogre renderer can be found [here](#).

## Pthreads

Pthreads is a library for supporting C++ threading.

For Win32, using pthreads-win32 binaries found here - <http://sourceware.org/pthreads-win32>

## SAPI