



MQSeries™ for Mac OS Runtime Client

Mac OS Integration with the Enterprise

MQSeries provides asynchronous, assured message delivery between applications running on heterogeneous systems and networks. The MQSeries for Mac OS Runtime Client enables applications written for, or ported to, the Mac OS to seamlessly communicate with one or more MQSeries Queue Managers in the enterprise. These applications interface with MQSeries using the common MQI programming interface.

The Mac OS client consists of a MQClient shared library, a Control Panel (to set up MQ environment and configuration information), and a Trigger Monitor application.

The MQSeries for Mac OS Runtime Client, developed by Willow Technology under license from IBM, is a fully compatible MQSeries client and has passed IBM's client verification test suite.

MQSeries

The IBM MQSeries range of products provides application programming services that enable application programs to communicate with each other using messages and queues. This form of communication is referred to as commercial messaging. It provides assured, once-only delivery of messages. Using MQSeries means that you can separate application programs, so that the program sending a message can continue processing without having to wait for a reply from the receiver. If the receiver, or the communication channel to it, is temporarily unavailable, the message can be forwarded at a later time. MQSeries also provides mechanisms for providing acknowledgments of messages received.

Message Queue Interface

The programs that comprise an MQSeries application can be running on different computers, on different operating systems, and at different locations. The applications are written using a common programming interface known as the Message Queue Interface (MQI), so that applications developed on one platform

can be transferred to another. When two applications communicate using messages and queues, one application puts a message on a queue, and the other application gets that message from the queue.

Queue Managers

In MQSeries, queues are managed by a component called a queue manager. The queue manager provides messaging services for the applications and processes the MQI calls they issue. The queue manager ensures that messages are put on the correct queue or that they are routed to another queue manager.

MQI Clients

An MQI client is an independently installable component of the MQSeries product line that allows a user to run MQSeries applications, where the MQI client has the ability, by means of a communications protocol, to interact with one or more MQI servers and connect to their Queue Managers.

Development Requirements

Applications to access the MQI on Mac OS systems can be written in C or C++ using Metrowerks CodeWarrior 10 or later or Microsoft Visual C++ Cross Development Environment version 4.0 or later. Other development environments available on request.

Software Requirements

Mac OS System 7.5 or later.

Open Transport Release 1.1 or later.

An MQSeries Server for the Mac OS client to connect to.

Hardware Requirements

MQSeries for Mac OS ships with both 68k and native PowerPC systems support.

Licensing and Support

The Mac OS Client license consists of a single user runtime license that allows MQSeries Client applications to run on Mac OS. The license includes 30-days unlimited telephone and 12-months of product updates, fixes and online support. All Willow Technology products are backed by a 30-day money back guarantee.



Mac OS

