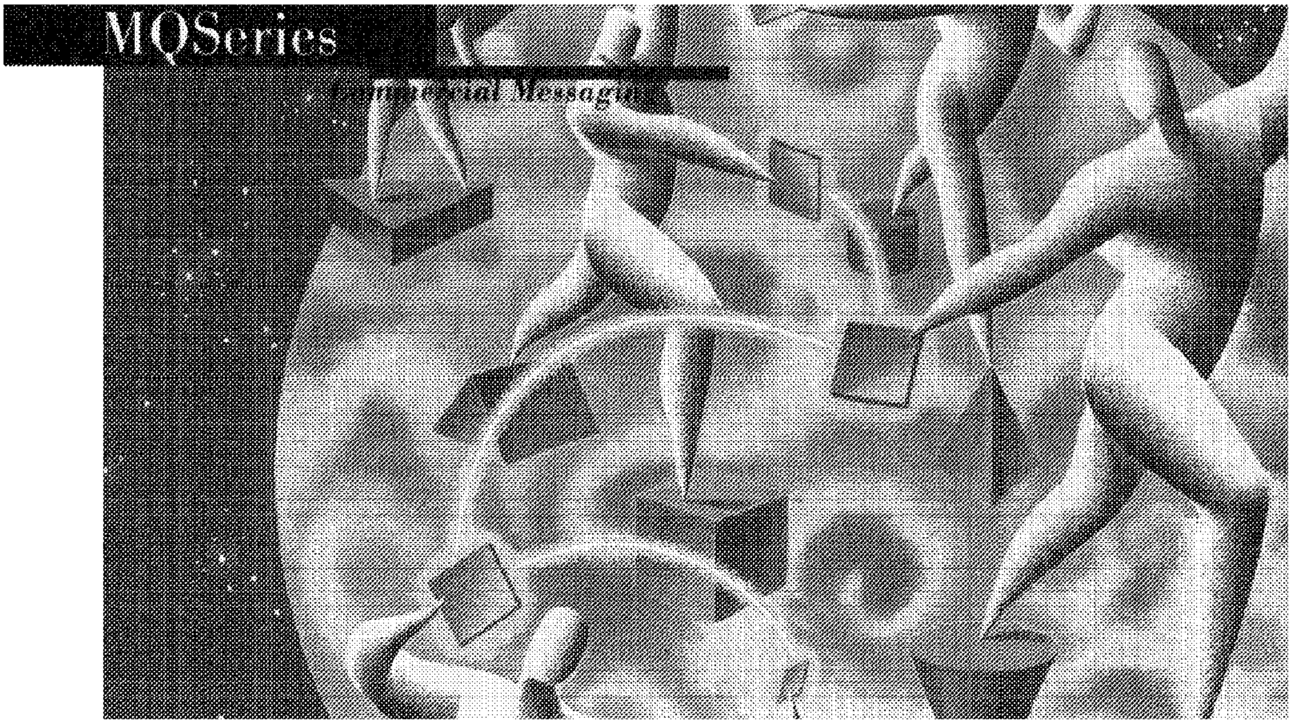
IBM

MQSeries Three Tier for AIX

Version 1.0



MQSeries Three Tier for AIX allows you to break client/server applications free from the constraints of departmental LAN-based computing. MQSeries Three Tier for AIX supports three logical layers: presentation logic on the client, business logic on the server, and data logic on an enterprise server. The enterprise server can run any application accessible using MQSeries products, including databases or transaction managers. Application data is transferred between the presentation, business, and data logic layers using MQSeries messages.

MQSeries Three Tier for AIX builds on MQSeries and supports advanced graphical user interfaces (GUIs) allowing extended business interactions. Interactive applications can access many systems using MQSeries, helping the application to continue to give useful and timely responses even when some systems become unavailable.

MQSeries Three Tier for AIX provides an application structure suited to either procedural or object-based design. It allows application designers and programmers to design large, integrated, client/server applications in a way that is straightforward and makes them manageable, extendable, and reusable.

Benefits of MQSeries Three Tier for AIX

- A significant reduction in lines of application code compared to less advanced messaging infrastructures
- A technique for the creation of powerful and extensible enterprise client/server applications
- Increased chance that application components will be reusable
- Improved throughput and customer service for the enterprise
- User-friendly GUI access to LAN-based business logic and new or legacy database applications

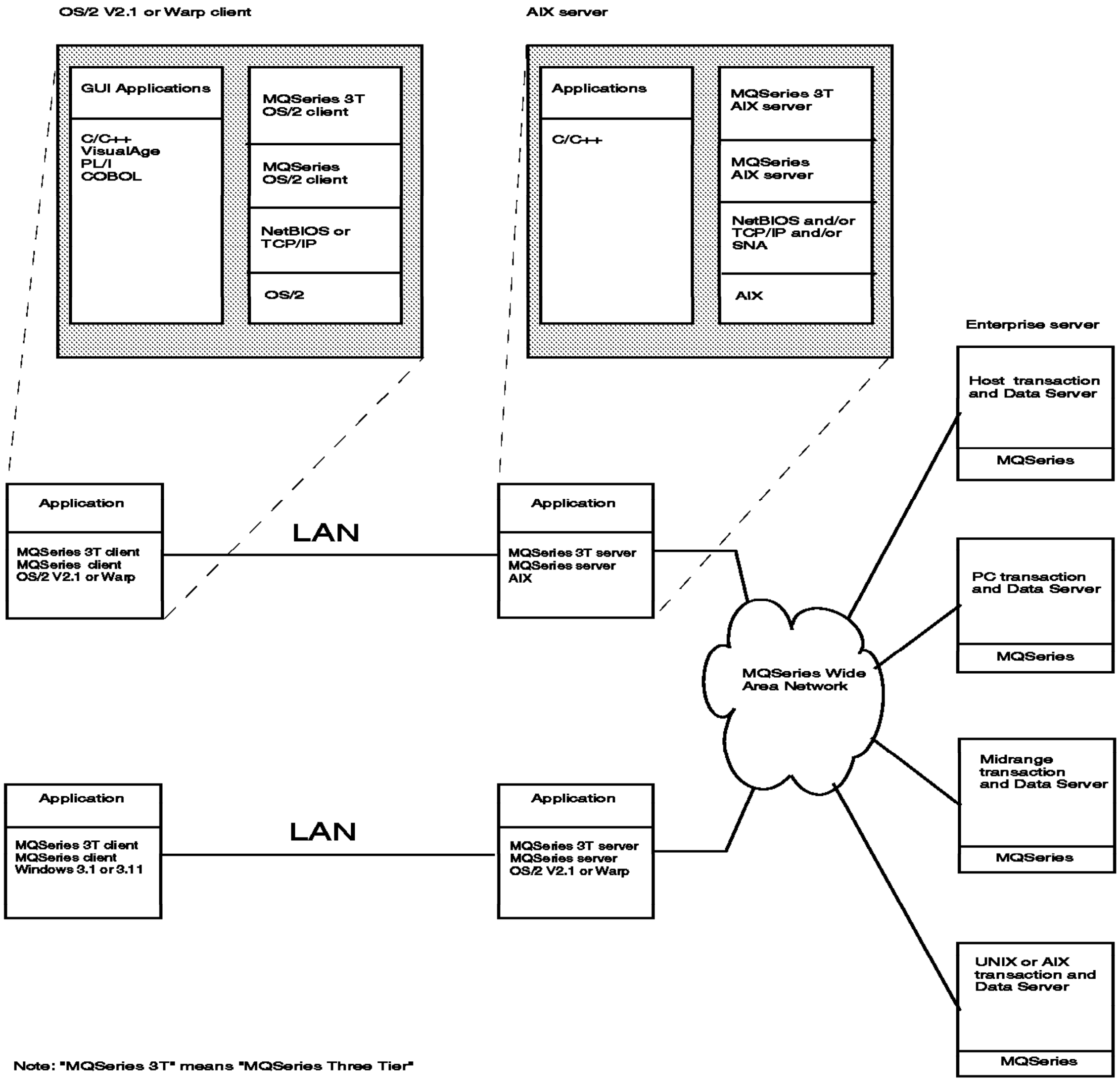
Highlights of MQSeries Three Tier for AIX are:

- Provides a framework for designing, developing, and running advanced enterprise client/server applications
- Client components for OS/2 or Windows which provide a framework for powerful, flexible, easy-to-use graphical user interfaces, built using state-of-the-art development tools
- An AIX server component that provides:
  - A framework for modular, extensible, and manageable application components
  - Efficient scheduling of application code
  - Access to database systems on enterprise or departmental systems using MQSeries
- An API that is easy to relate to the business operation being programmed
- Application development tools:
  - Key IBM and non-IBM (such as VisualAge for GUI application components) are enabled today.
  - Open interfaces allow customers or third parties to enable additional tools.
- A tool that helps in the design of applications (runs on an OS/2 workstation).

Components supplied with MQSeries Three Tier for AIX

- AIX Business Logic (BL) runtime support calls BL methods when events occur, and supports BL classes on a server.
- OS/2 and Windows Presentation Logic runtime support (runs on OS/2 or Windows 3.1 clients) handles MQSeries messages and resources.
- AIX class compiler for processing class definitions which help provide a high-level structure for messaging applications.
- Business Logic development support for IBM C/C++, allowing programming of the AIX server. Message data can be easily defined using a data manager.
- OS/2 and Windows 3.1 Presentation Logic tools support for IBM VisualAge, IBM C/C++, IBM PL/I, and IBM COBOL for OS/2. and Microsoft Visual C++ on Windows. In addition, IBM COBOL and Microsoft Visual Basic for Windows will be available from IBM as Transaction Processing SupportPacs*.
- Test Harness to help develop parts of applications individually (to run on OS/2 workstations).
- Online books in softcopy form for use with the IBM BookManager READ products.

* SupportPacs are available in conjunction with IBM services on a fee-paying basis.



Note: "MQSeries 3T" means "MQSeries Three Tier"

Program name

The name of this product is
IBM MQSeries Three Tier for AIX Version 1.0

Program number: **5765-321**

Hardware requirements

- Any workstation capable of running the required level of AIX and MQSeries for AIX.
- Any communication hardware supported by MQSeries for AIX.

Software requirements

For servers:

- AIX Version 3.2.5
- IBM MQSeries for AIX Version 2 or later, with suitable transmission protocol
- IBM DCE Threads for AIX Version 1.1

For OS/2 clients (client code is distributed with the product):

- OS/2 Version 2.1 or Warp
- IBM MQSeries for OS/2 Client Support with suitable transmission protocol

For Windows clients (client code is distributed with the product):

- DOS Version 5.0 or above
- Microsoft Windows for Workgroups Version 3.1 or Windows Version 3.1
- IBM MQSeries Windows Client Support with suitable transmission protocol

Supported languages

For server programming:

- IBM CSet ++ for AIX 6000

For OS/2 client programming, one or more of:

- IBM VisualAge for Smalltalk V2 for OS/2
- IBM MQSeries Three Tier VisualAge V3 Support for OS/2 (SupportPac MA3D)
- IBM CSet++
- IBM PL/I Package/2
- IBM MQSeries Three Tier COBOL VisualSet Support for OS/2 (SupportPac MA3C in preparation)

For Windows client programming:

- Microsoft Visual C++ Professional Edition 1.5
- IBM MQSeries Three Tier Visual BASIC Support for Windows Client (SupportPac MA3B)

For further information

For more information about MQSeries Three Tier for AIX, please contact your local IBM representative.

Produced by:
IBM United Kingdom Laboratories
MQSeries Development MP 206
Hursley Park
Winchester
Hampshire SO21 2JN
United Kingdom