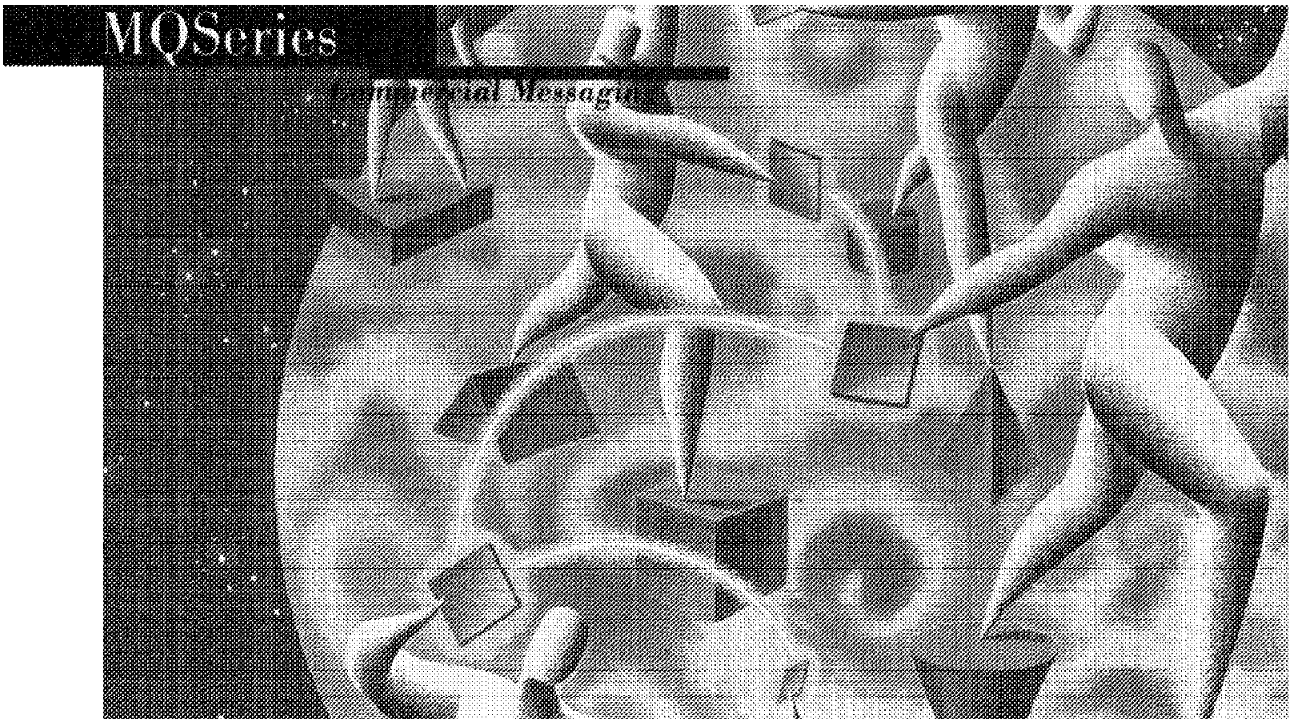
MQSeries Three Tier for OS/2

Version 1.0



MQSeries Three Tier for OS/2 allows you to break client/server applications free from the constraints of departmental LAN-based computing. MQSeries Three Tier for OS/2 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 OS/2 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 OS/2 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 OS/2

- 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

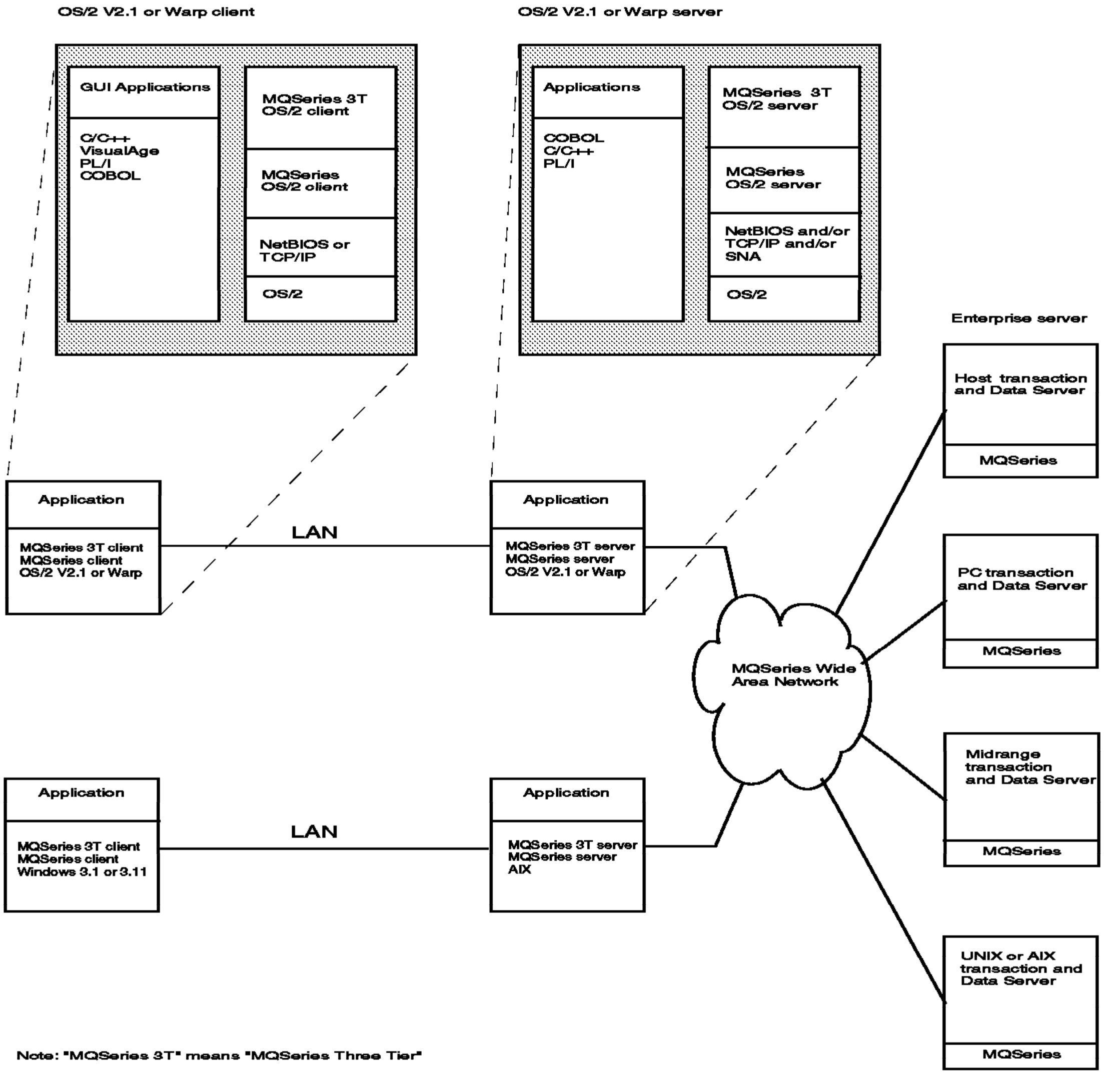
Highlights of MQSeries Three Tier for OS/2 are:

- Provides a framework for designing, developing, and running advanced enterprise client/server applications
- A choice of OS/2 or Windows client components that provide a framework for powerful, flexible, easy-to-use graphical user interfaces, built using state-of-the-art development tools
- An OS/2 server component that provides:
  - A framework for modular application components
  - Efficient scheduling of application code
  - Access to database systems on enterprise or departmental systems using MQSeries
- Application development tools:
  - Key IBM and non-IBM tools are enabled, such as VisualAge (for GUI application components), and Micro Focus COBOL.
  - Open interfaces allow customers or third parties to enable additional tools.
- Tools that help in the design and testing of applications.

Components supplied with MQSeries Three Tier for OS/2

- OS/2 Business Logic (BL) runtime support which calls BL methods when events occur, and supports BL classes on a server.
- OS/2 and Windows Presentation Logic runtime support handles MQSeries messages and resources.
- OS/2 class compiler, processing class definitions which help provide a high-level structure for messaging applications.
- Business Logic development support for IBM C/C++, IBM PL/I, Micro Focus and IBM COBOL, and IBM VisualAge. Message data can be easily defined using a data manager.
- OS/2 and Windows Presentation Logic development, supporting IBM VisualAge, IBM C/C++, IBM PL/I, and IBM COBOL for OS/2, and Microsoft Visual C++ on Windows 3.1. 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.
- Application Simulator to test flows, and help assess application performance.
- Online books in softcopy form for use with the IBM BookManager READ products.
- SNMP agent SupportPac* will be available from IBM to allow control of MQSeries Three Tier for OS/2 using SNMP.
- Secure Desktop Manager and Security Bridge SupportPac* will be available from IBM to enhance system security.

* 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 OS/2 Version 1.0

Program number: **5622-389**

Hardware requirements

- Any workstation capable of running the required level of OS/2 and MQSeries for OS/2.
- Any communication hardware supported by MQSeries for OS/2.

Software requirements

For servers:

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

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, one or more of:

- IBM CSet ++ Version 2
- IBM VisualAge for COBOL for OS/2
- IBM PL/I Package/2
- Micro Focus COBOL

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 OS/2, please contact your local IBM representative.

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