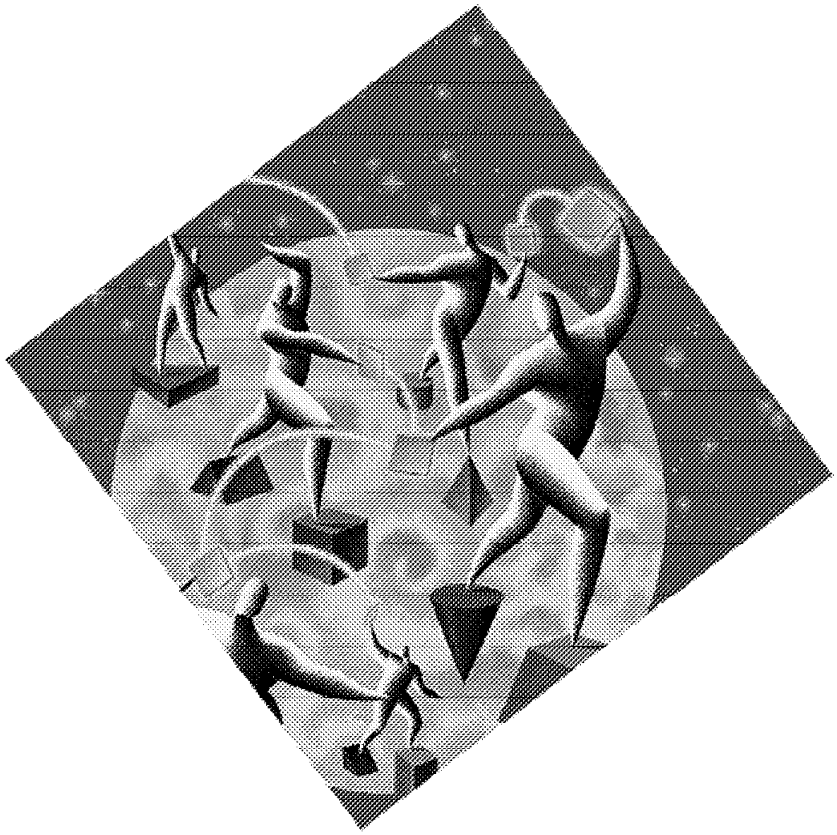
IBM

# MQSeries for MVS/ESA

**Version 1 Release 1.4**



MQSeries products enable business applications to communicate across different operating-system platforms, by use of messages, in a way that is straightforward and easy for programmers to implement. They take care of network interfaces, assure delivery of messages, deal with communication protocols, and handle recovery after system problems. This lets programmers use their skills in handling your business requirements, rather than having each one solve the underlying complexities of your network.

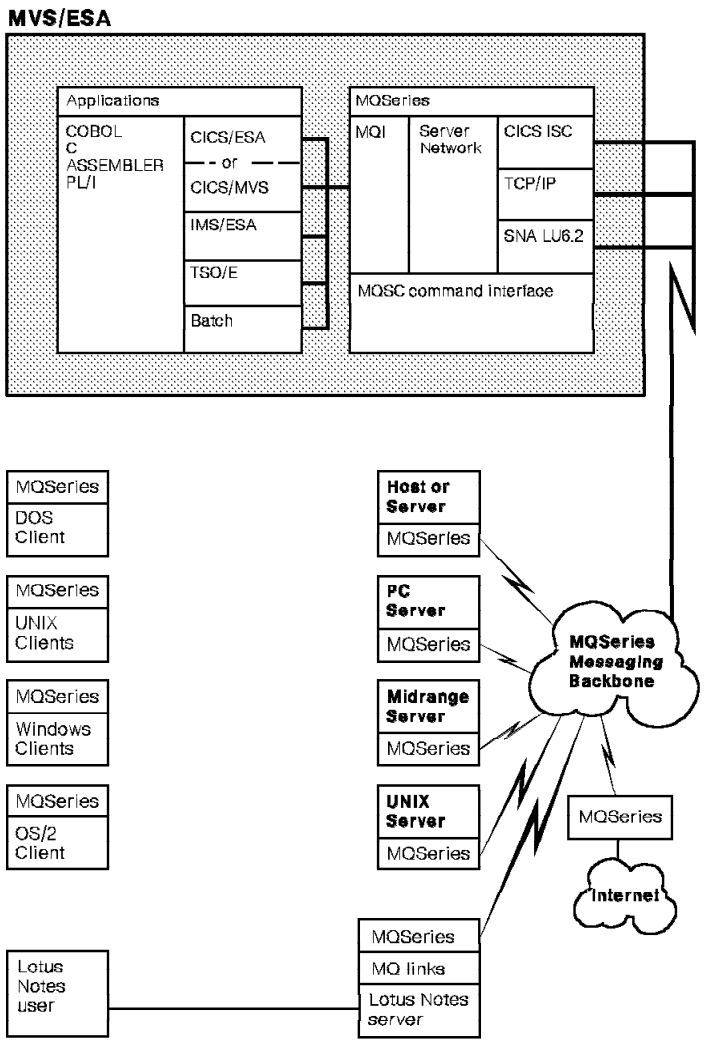
MQSeries products provide the Messaging and Queuing component of the IBM Open Blueprint.

## Exploiting the integrity of MVS/ESA

This MQSeries product exploits MVS integrity, by using MVS reliability, availability, and serviceability techniques. As a stand-alone MVS subsystem, it provides additional system services that give a simple way of transferring messages between programs in different MVS address spaces—allowing communication between programs that operate under CICS/ESA, CICS/MVS, IMS/ESA, MVS Batch, TSO, and other platforms. MQSeries ensures that data integrity and consistency are extended across the network to create a reliable distributed application environment.

## Highlights of this MQSeries product are:

- Transports data so that it can be used on another ("distributed queuing") MQSeries platform, converting the data (if requested) so that it can be used on the another platform. Supports TCP/IP (IBM and InterLink) and SNA LU6.2 communications.
- As well as supporting MQSeries IMS applications, provides a bridge to IMS/ESA V5.1 to allow easy access from MQSeries programs to non-MQSeries and IMS applications, by using the Open Transaction Management Access (OTMA) interface of IMS/ESA V5.1. This enhances your IMS investment by opening up the possibilities of the Internet, Lotus Notes, the SAP R/3 suite of business applications, and the workstation client/server world.
- Enables direct attachment of MQSeries clients (with a chargeable feature).
- Provides support for CICS/ESA syncpoint mechanism with in-doubt wait handling.
- Runs on the OS/390 collection of IBM MVS software products.
- Can set message queues to trigger application programs to start remotely, giving more automation.




## Program name

The formal name of this product is **IBM MQSeries for MVS/ESA**, Version 1 Release 1.4. Program number: **5695-137**.

## Hardware requirements

Any IBM System/370 or System/390 processor (or equivalent) that can run the required level of MVS/ESA.

## Software requirements

Software release levels included here are *minimum* requirements only. Later releases, if any, may be used.

When used for local queuing only, MQSeries for MVS/ESA Version 1 Release 1.4 requires:

- MVS/ESA Version 3 Release 1.3, and either JES2 (5685-001) or JES3 Release 3.1 (5685-002)
- DFP (Data Facility Product) Version 3 Release 1 (5665-XA3)
- SMP/E (System Modification Program Extended) Version 1 Release 8 (5668-949)

You may also use:

- MULC (Measured Usage License Charge)
- RACF (Resource Access Control Facility) Version 1 Release 9 (5740-XXH) Other SAF-compliant security products may be used.

In order to use the Operations and Control panels, you need:

- ISPF (Interactive System Productivity Facility) Version 3 Release 2 (5685-054)
- TSO/E (Time Sharing Option Extensions) Version 2 Release 0 (5685-025)

For MQSeries applications using CICS, you need either CICS/MVS Version 2 Release 1.2 (5665-403) or CICS/ESA Version 3 Release 3 (5685-083).

For MQSeries applications using IMS/ESA, you need IMS/ESA Version 3 Release 1 (5665-409).

**Distributed queuing with CICS**

For distributed queuing with CICS, you need:

- CICS/ESA Version 3 Release 2.1 (5685-083), if channels are to be administered locally
- CICS/ESA Version 3 Release 3 (5685-083), if channels are to be administered remotely
- ACF/VTAM Version 3 Release 4.1 (5685-085)

**Distributed queuing without CICS**

For distributed queuing without CICS, you need:

- For SNA LU 6.2:
  - MVS/ESA Version 4 Release 3 and either JES2 (5695-047) or JES3 (5695-048)
  - ACF/VTAM Version 3 Release 4.1 (5685-085)
- For TCP/IP:
  - MVS/ESA Version 3 Release 1.3
  - IBM TCP/IP Version 2 Release 2.1 (5735-HAL), or
  - IBM TCP/IP Version 3 Release 1 (5655-HAL), or
  - InterLink TCP/IP plus feature;
- Language support:
  - C/370 Version 2 Release 1.0 Library (5688-188)

  or
  - C/370 Version 2 Release 2.0 Library (5688-188)

  or
  - LE/370 (Language Environment Version 1 Release 4 (5688-198) libraries and run-time environments

**IMS bridge**

If MQSeries for MVS/ESA Version 1.1.4 is to be used with the bridge to IMS, you need:

- MVS/ESA Version 5 Release 1 with JES2 (5655-068) or JES3 (5655-069)
- IMS/ESA Version 5 Release 1 (5695-176)

## Languages and compilers (for application development)

Assembler, C, COBOL, PL/I

## For further information

For more information about this MQSeries product, contact your IBM marketing representative or see the MQSeries Internet home page:

http://www.hursley.ibm.com/mqseries/

For the MQSeries newsletter, e-mail the editor at:

mqeditor@vnet.ibm.com

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**Did you know ...?**

... that MQSeries was voted Best Middleware product at the April 1996 Network Computing “Well-Connected” awards ceremony.

Don’t just take our word for it - see for yourself!