MQSeries® Everyplace for Multiplatforms Version 1 Release 1

MQSeries Everyplace for Multiplatforms, a replacement for MQSeries Everyplace for Windows, extends an IT infrastructure to include mobile workers. It connects laptops and servers, PDAs and phones, and unattended devices such as sensors and probes, to MQSeries networks with absolute security.

An MQSeries product optimized for mobile communication, MQSeries Everyplace consists of MQSeries Everyplace device code and the MQSeries Everyplace gateway.

MQSeries Everyplace enables business applications to exchange information across different platforms by sending and receiving data as messages. It inherits all the trusted benefits of MQSeries: industrial strength messaging, reliable communications and assured once-only delivery. In addition it provides rock-solid encryption and end-to-end security, plus an optimized data stream, all of which are essential in a mobile communications environment.

The MQSeries family forms the key integration layer in the IBM Application Framework for e-business.

e™

e-business

Highlights of MQSeries Everyplace for Multiplatforms

- Allows mobile workers to access corporate data and applications on any of the 35 or more platforms in an MQSeries network.
- Runs on laptops, PDAs and telephones allowing mobile workers to choose personal workstations to suit their current needs.
- Enables mobile workers to create a message just once and be confident it will be delivered without further action on their part.
- Provides immediate server or mainframe interaction when a link is available, and queues messages for later delivery when it is not.
- Ensures messages are delivered once and only once, so high value trans-actions are safe.
- Has simple set-up options for security and can easily work through firewalls using HTTP.
- Includes high security in the standard edition. Very high security, typically for financial usage, is available in the High Security Version.
- Enables up-to-the-minute information, such the latest stock prices, to be received via automatic transmission from servers.
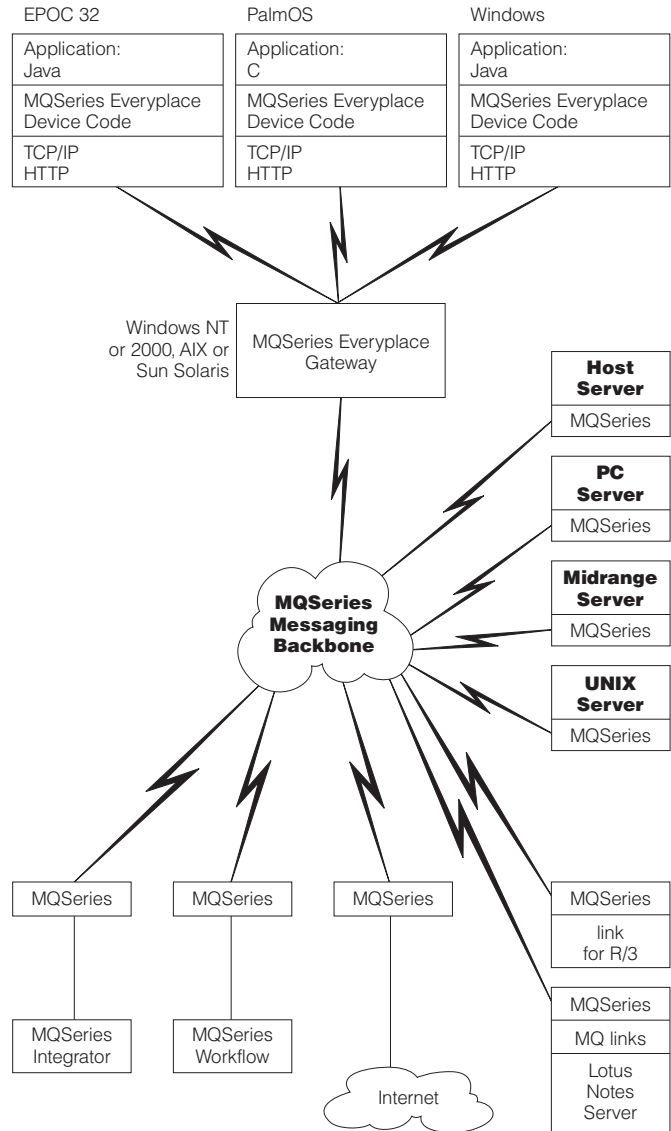
Program name

The formal name of this product is IBM MQSeries Everyplace for Multiplatforms, Version 1 Release 1: part number 00790054, program id 5765-E63. The product is provided on CD-ROM.

Hardware requirements

It requires any Year 2000-ready vendor hardware that is explicitly compatible and fully capable of running the specified operating system, all the corresponding supporting software shown below, and any associated applications unmodified.

- MQSeries Everyplace gateway runs on:
  - Intel-based systems (or equivalent), various manufacturers
  - IBM RS/6000® processor machines
  - Sun™ Microsystems SPARC processor machines.

- MQSeries Everyplace devices run on:
  - EPOC32 devices running Java™
  - Windows® CE devices running Java
  - Intel-based systems (or equivalent), various manufacturers (for Java levels, see 'Java environment' below)
  - Palm devices (Palm V) or equivalent.

Software requirements

- MQSeries Everyplace gateway runs on:
  - Microsoft® Windows 2000 V1.0
  - Microsoft Windows NT V4.0
  - IBM AIX® V4.3
  - Sun Solaris 7 or 8.

- MQSeries Everyplace device code runs on:
  - Palm V Operating System
  - EPOC32 Operating System
  - Microsoft Windows CE
  - Microsoft Pocket PC
  - Microsoft Windows 2000 V1.0
  - Microsoft Windows NT™ V4.0
  - Microsoft Windows 98
  - Microsoft Windows 95.

Note: All devices except the Palm require a Java JVM level 1.1, or higher.

Java environment

- IBM VisualAge® for Java
- Microsoft Visual J++
- Sun Microsystems Java.

Supported languages and compilers

- Java JVM level 1.1 on appropriate device (except Palm)
- C (Palm only).

Interoperability

MQSeries Everyplace is compatible with the TCP/IP infrastructure provided by IBM SecureWay® Wireless Gateway for AIX V5.1 connected to the server running MQSeries Everyplace for Multiplatforms V1.1.

To work over wireless, MQSeries Everyplace needs a wireless telephone system which directly or indirectly (via another product) provides a TCP/IP infrastructure.

Security

MQSeries Everyplace provides high security as standard with a selection of compression, authentication and encryption options, including 56-bit DES encryption. Extra high security, 128-bit encryption – the highest level permitted by the US government – is available as an additional feature.

MQSeries family

e-business is accelerating the pace of change. Speed to market and quality of service are critical for success so companies need to be agile to survive. The MQSeries family provides a versatile platform for e-business.

The MQSeries family features five key elements:

- MQSeries – is the core of the MQSeries family – the base messaging servers and clients provide once, and once only, message and queuing capabilities on over 35 platforms.

- MQSeries Adapter Offering – provides a framework and tools that build and customize MQSeries adapters for existing and new, pre-packaged or custom-developed applications.

- MQSeries Everyplace – extends the capabilities of MQSeries base messaging to mobile workers using laptops, PDAs and telephones. It brings all the benefits of MQSeries messaging, including rock-solid security, to a failure-prone environment.

- MQSeries Integrator – combines a one-to-many connectivity model, plus transformation, intelligent routing and information flow modelling. It facilitates the development of new application services that comprise the functions of multiple, disparate existing business systems.

- MQSeries Workflow – a business process management system that facilitates the rapid development and management of the business processes that integrate the IT and organizational infrastructure of a company.

For further information

Contact your IBM marketing representative or see the MQSeries Internet home page:
ibm.com/software/mqseries/

To register for the MQSeries magazine, see the MQSeries home page.

Did you know?

MQSeries won the Vendor of the Year eAI Journal Award 2000 – the latest in a long line of accolades.

Don't just take our word for it, see for yourself.

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