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## Highlights

- Make the most of your existing Enterprise Service Bus infrastructure for universal service delivery including messages, files and events.
  - Gain an end-to-end audit trail across internal and external file transfers.
  - Get reliable streaming of file data between internal systems to the business-to-business gateway.
  - Allow your applications to use web application programming interfaces to move files such as office productivity tools and computer assisted design programs.
  - Modernize batch-oriented architecture into micro-batches for simple messaging conversion.
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# IBM WebSphere MQ File Transfer Edition

*Lower business risk and increase productivity with trusted and secured file transfers*

Today's dynamic business environments and economic uncertainty require organizations to work smarter in order to remain competitive, eliminate costly redundancies and promote reuse of existing services—while ensuring that these services are secure and dependable.

IBM® WebSphere® provides a SMART SOA® approach to untangle the costly and debilitating IT complexity associated with point-to-point connectivity and integration, while maintaining the highest levels of reliability.

IBM has gone a step further to create a manageable and trustworthy file transfer solution that makes the most of proven message-oriented middleware technology to unify data movement and helps you capitalize upon your existing IT investment. The managed file transfer solution from IBM, WebSphere MQ File Transfer Edition, delivers a complete solution for reliable file movement. And unlike File Transfer Protocol, which offers a low-cost technology with limited capabilities and only point-to-point file transfers, IBM WebSphere MQ File Transfer Edition helps eliminate the threat of data loss and increases transfer visibility, lowering IT operating costs.



## Why a managed file transfer solution?

The simplest tool for file transfer is File Transfer Protocol (FTP), available on almost all platforms for the quick exchange of files. However, many mission-critical business transactions using file transfer require a managed file transfer (MFT) solution to reduce integration costs by providing extreme reliability, secured management and auditability. In these cases a managed file transfer solution can provide:

### Extreme reliability

- **Track the movement of files:** Take action to eliminate file corruption and demonstrate transaction integrity by monitoring the file from source to target. FTP does not manage, track or secure transfers; it can only move files from one point to another.
- **Automate transfers** without human intervention to avoid unnecessary delays and lower levels of staff productivity; FTP supports only manual transfers for files, and automation with the protocol is unavailable.

### Secured management and auditability of mission-critical files

- **Set permission-based access** to specific file transfers to ensure data security; FTP cannot limit access or provide file security.
- **Establish role-based permissions** to strengthen security and compliance as files move through various departments; FTP cannot specify security based on job role.
- **Strengthen compliance** for audits; report from a central activity log on all file transfers using robust auditability; FTP cannot report when a file was created, moved or opened.

### Reduction in integration costs

- **Consolidate files and messages** into a single transport, eliminating separate infrastructures and the associated cost of maintenance; FTP creates multiple file transfer points that cannot be managed from a single location.

## Managed file transfer using IBM WebSphere MQ File Transfer Edition

### Improves reliability of file transfer infrastructure.

WebSphere MQ File Transfer Edition takes advantage of the reliability and delivery assurances of WebSphere MQ. WebSphere MQ File Transfer Edition uses WebSphere MQ to deliver files reliably to any WebSphere MQ-supported platform.

**Delivers improved security of file contents.** WebSphere MQ File Transfer Edition uses a strong message digest algorithm to verify that each file is delivered completely and correctly.

**Offers “zero-programming.”** WebSphere MQ File Transfer Edition can provide all the benefits of visibility, management and auditability without requiring your IT resources to develop programs or complex scripts.

### Lets you take advantage of an existing service-oriented architecture (SOA) infrastructure.

WebSphere MQ File Transfer Edition is part of the IBM WebSphere MQ Family and can be deployed in concert with a new or existing SOA infrastructure.

WebSphere MQ File Transfer Edition can be used to create value for various mission-critical business scenarios throughout industries. Examples include:

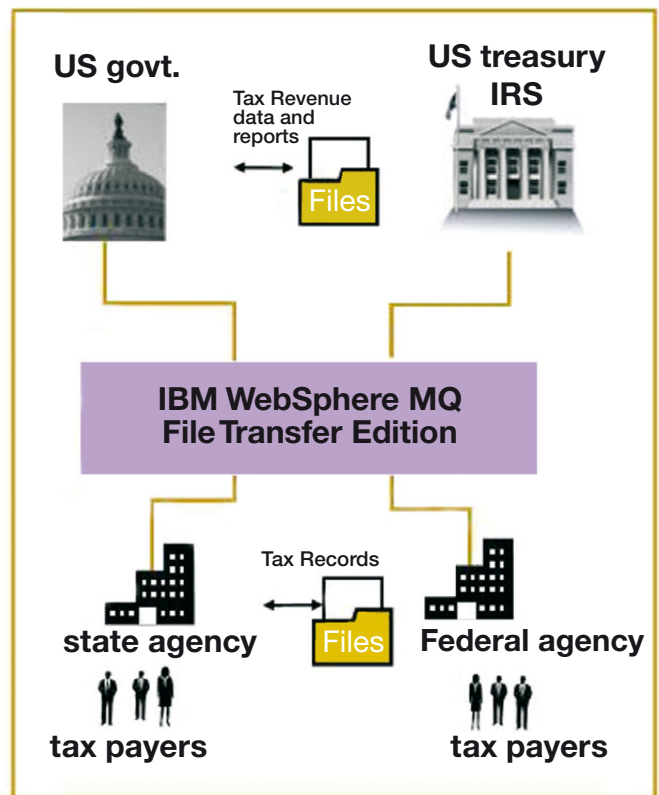
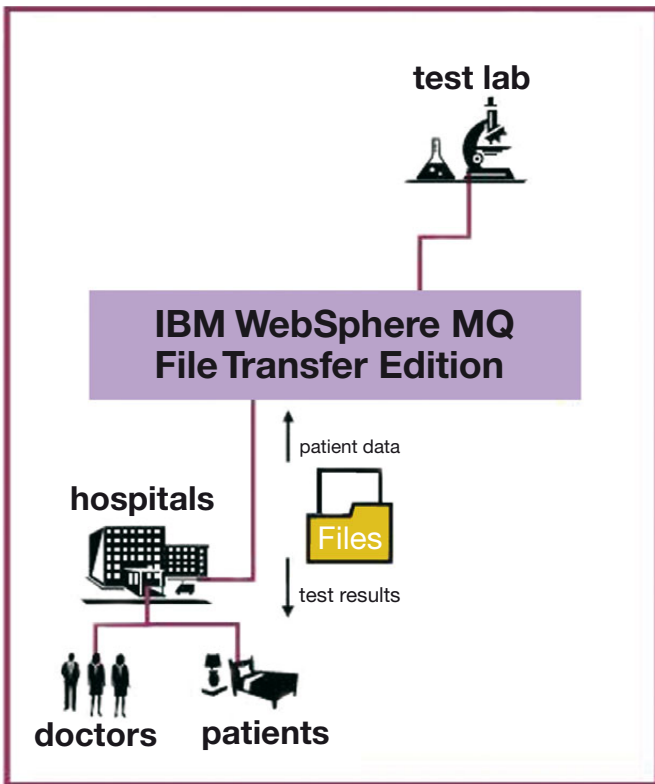
### Healthcare

Healthcare providers must maintain secure and auditable file transfers to meet compliance obligations of the U.S. Food and Drug Administration (FDA) and the Health Insurance Portability and Accountability Act (HIPAA). Unlike FTP, WebSphere MQ File Transfer Edition enables the reliable and

security-rich transfer of patient data and provides an audit trail that helps to prevent unauthorized access of files in transit. In addition, clinics reduce the wait time for test results when they can receive patient files in a timely and secure manner, helping doctors move more quickly to diagnosis and providing higher-quality care—all while strengthening the organization’s ability to meet regulatory mandates.

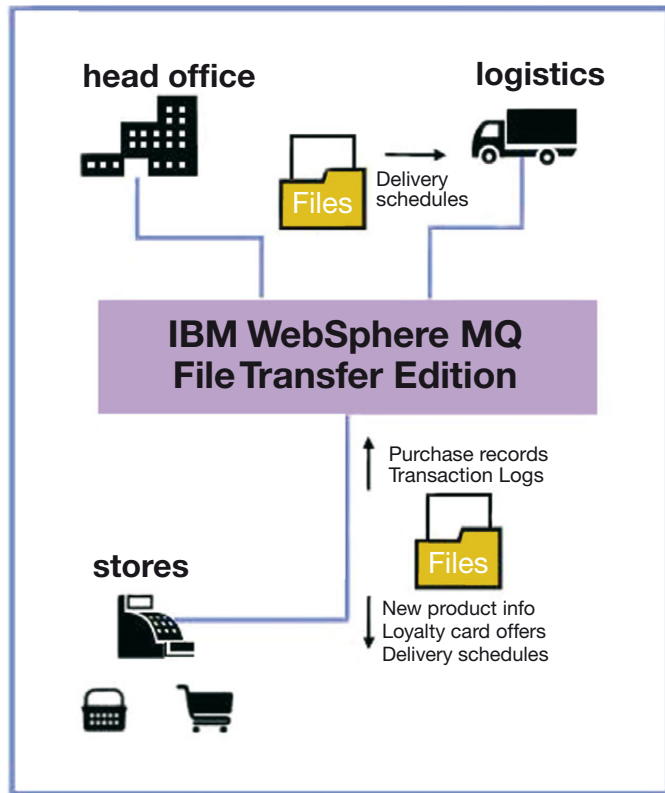
**Government**

The United States government must collect and track tax submissions from various federal, state and local agencies in order to assure the timely collection of funds within the fiscal year. Transfer of tax files using FTP is common, but can lead to loss of sensitive financial information from incomplete file transfers. A managed file transfer solution such as IBM WebSphere MQ File Transfer Edition supports the extreme reliability and security of all file transfers, helping agencies collect funds within the correct fiscal quarter and making it easier to meet year-end budget requirements.



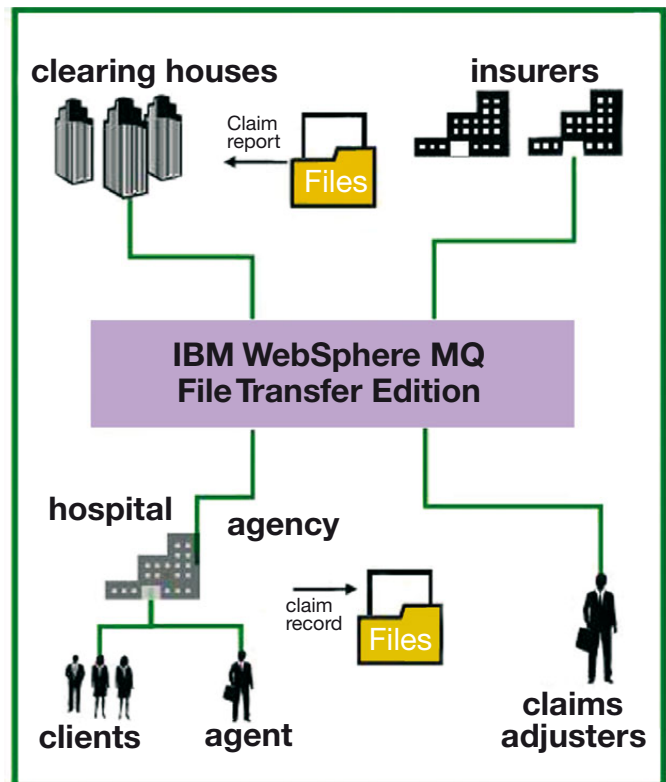
**Retail**

Retailers need to transfer point-of-sale (POS) data into inventory management systems; this is part of daily store operations that track and analyze buying behavior and organize efficient restocking. The use of overnight batch file transfers using FTP is error-prone, labor-intensive and costly because transfers are not automated—or batch transfer fail, creating backlogs that require maintenance. A managed file transfer solution such as WebSphere MQ File Transfer Edition provides real-time, automated and reliable file transfer that helps to eliminate backlogs and can report failures in transmission. This enables a continuous transfer compared to overnight batches, helping retailers gain an “up-to-the-minute” view of demand and stock levels.



**Insurance**

Insurance companies cannot afford inefficiencies in the systems that process health claims. Most insurers require that claims be complete within a 24-hour period in order to avoid backlogs and keep up with the increasing number of new incoming claims. Using file transfer technologies like FTP eliminates the untimely processing of claims due to file transmission delays or files that are lost or incomplete. WebSphere MQ File Transfer Edition provides an automated, managed file transfer solution for reliable transport, which reduces claim processing times and helps insurance companies increase operational efficiencies and improve customer satisfaction.

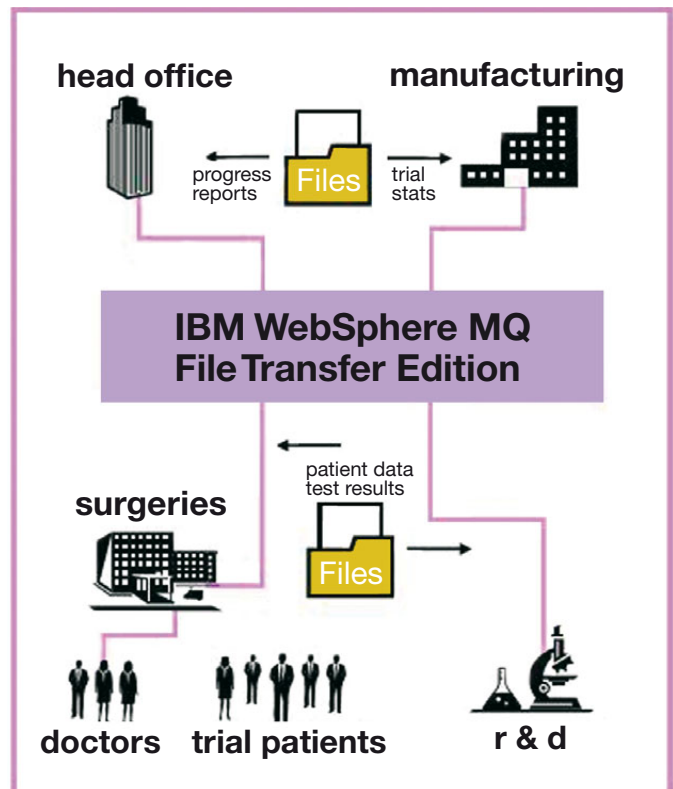
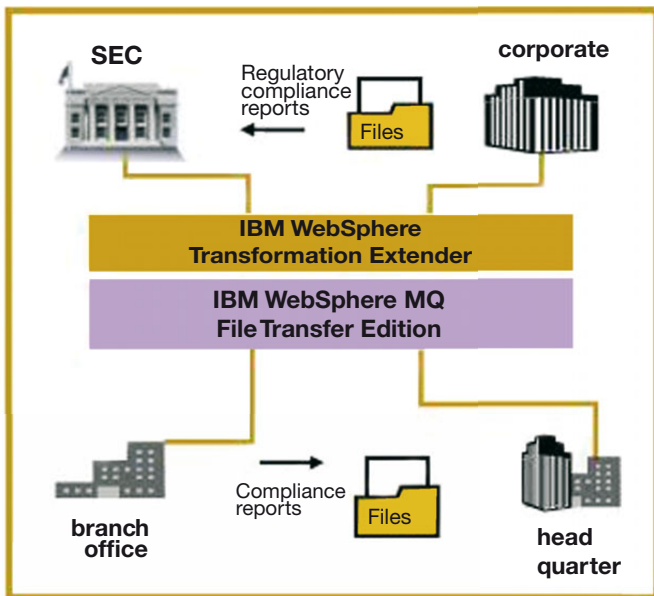


### Banking

Regulatory and corporate compliance rules issued by the U.S. Securities and Exchange Commission (SEC) require banks to carefully manage and track all file transfers. FTP cannot meet the requirements in these scenarios. IBM WebSphere MQ File Transfer Edition offers a robust managed file transfer solution to strengthen compliance by providing security-rich, auditable and reliable file transport of critical business data and helping to eliminate business uncertainty and risks. In addition, IBM WebSphere Transformation Extender can be used for data transformation and compliance required by the Financial Information Exchange (FIX), the National Automated Clearing House Association (NACHA), the Society for Worldwide Interbank Financial Communication (SWIFTNet) and the Software Engineering Process Authority (SEPA).

### Life Sciences

Biotechnology and pharmaceutical companies must securely exchange files that contain sensitive clinical trial data. All files must be secure and must provide audit reporting in order to meet FDA and HIPAA compliance. Many of these file transfers contain test sample data (such as tissue-scan images) which must be moved without file corruption. Unlike FTP (which cannot audit, secure or transfer files reliably), a managed file transfer solution such as WebSphere MQ File Transfer Edition provides an audit trail for end-to-end file visibility and helps you take action to prevent unauthorized access to files in transit. Reducing the time and cost of exchanging drug-trial files between various business units helps pharmaceutical companies deliver new products to market in a timely manner.



IBM WebSphere MQ File Transfer Edition helps you build a customized, scalable and automated solution. Manage, trust and secure file transfers while you eliminate costly redundancies, lower maintenance costs and make the most of your existing IT investments.



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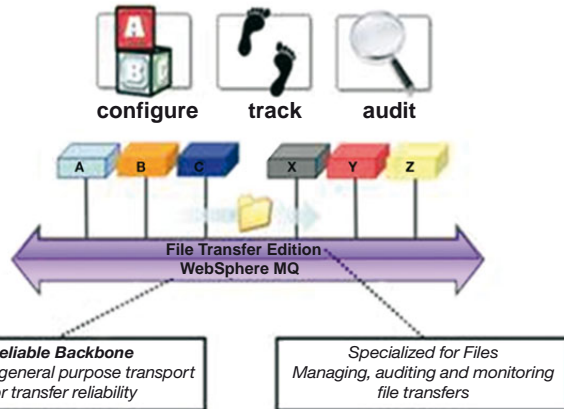
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## For more information

To learn more about IBM WebSphere MQ File Transfer Edition, please contact your IBM marketing representative or IBM Business Partner, or visit the following website:

[ibm.com/software/integration/wmq/filetransfer/](http://ibm.com/software/integration/wmq/filetransfer/)

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