



File Gateway

**Managing edge-based file
transfers with an intelligent,
centralized platform**

Watson Supply Chain

File Gateway

Managing edge-based file transfers with an intelligent, centralized platform

Effectively manage trading partner relationships

The increasing complexity and growth of partner ecosystems are driving demand for tighter collaboration and real-time visibility across business relationships, as well as the need to control and reduce related costs. In addition, the types of data increasingly being exchanged are not accommodated by EDI transactions.

As a result, organizations are challenged in supporting higher file transfer volumes, as well as varying sizes and formats, and more numerous and demanding communication and security protocols.

Today, the infrastructure used to support this typically consists of any number of servers using various tools (e.g., FTP) for file transfers. This approach poses more than just operational problems: It limits an organization's ability to effectively monitor file transfers with the trading partner community. And failed file transfers can disrupt critical business processes and revenue generating opportunities. Many organizations are

challenged with a lack of visibility into potential issues which can quickly escalate into service level issues – or lead to revenue implications.

Take control over edge-based file transfers

File Gateway addresses these challenges and enables organizations to take complete control over file transfers with trading partners. Built on IBM's B2B Integrator solution, File Gateway offers a scalable architecture and a centralized file gateway with the capabilities necessary to monitor, administer, route and transform high volumes of inbound and outbound files.

Extending edge-based file transfer services to internal systems is critical to automating processes and reducing operational costs. While IBM's File Gateway solution provides options for the protocols used to deliver files internally, Connect:Direct or WebSphere's MQ File Transfer Edition can provide the security and seamless integration between the products.

File Gateway 6.0

Lower cost and increase productivity with exciting new features

Global Mailbox

Ensures high-availability operations with Global Mailbox

- 'Always on' 24x7x365
- Active/active file processing
- Near zero downtime
- Avoids data duplication at recovery
- Spares customers any negative impact

Docker Containers

Enables hybrid cloud deployment via Docker containers

- Installation time significantly reduced
- Decrease installation time by up to 60% with each instance
- System dependencies are bundled into the container
- Grow seamlessly from on premise to the cloud
- Reduce IT budget dedicated to maintaining legacy applications

RESTful APIs

Provides seamless integration with RESTful APIs

- Improve agility, flexibility, and velocity of integration
- Easy to configure, learn and deploy
- Framework for adopting emerging technologies such as blockchain



Improve efficiency and reduce costs

With File Gateway, the potential benefits of a standardized file transfer approach extend beyond reliability and security; a centralized gateway also enables the consolidation of disparate file transfer activity while intelligent routing and content-driven transformation capabilities can optimize file delivery processes. This combination helps IT staff and users become more efficient and, along with platform consolidation, helps reduce total cost of ownership.

Leverage revenue opportunities

File Gateway can also help organizations accelerate revenue opportunities. The time it takes to start generating revenue from a new trading partner relationship is often directly correlated to the time it takes to onboard the partner. With File Gateway an organization can leverage templates, create standardized processes, use dynamic rules-based file routing and rapidly onboard trading partners through

a wizard-driven UI or through RestfulAPI's. Additionally, scalable architecture helps ensure better support for growth in file volumes and partners without sacrificing performance.

Trading partner satisfaction

One of the first questions a company asks when evaluating a trading partner is: How difficult or easy are they to conduct business with? Companies who deploy File Gateway can offer their trading partners a self-service portal, event-driven notifications and support for industry-standard security and communication protocols. As a result, both the company and its trading partner have complete visibility and control over shared file transfer activity. Such capabilities go a long way in making a company easy to conduct business with.

Companies deploying File Gateway have the potential to recognize a lower cost of ownership, an accelerated time to revenue and improved trading partner satisfaction.

Available in B2B Integrator 6.0



Global Mailbox
Always On



Docker Containers
Enables cloud journey,
reduces installation times



Restful APIs
Seamless Integration



Embedded AI features,
Blockchain-ready

Capability	Description
High Availability	<ul style="list-style-type: none"> • Always-On - high availability, 24x7x365 • Efficient disaster recovery with little or no data loss • Fault tolerant, no single point of failure • Near zero down time with true active/active backup support • Mailboxes across geographically distant data centers
Onboarding	<ul style="list-style-type: none"> • An onboarding wizard and reusable templates enable the rapid onboarding of new partners • Set up group-based controls to limit administration of trading partner relationships • Utilize import/export functionality to limit risk from production updates to trading partner configurations
Communication channels	<ul style="list-style-type: none"> • Connect:Direct, Connect:Direct Secure+ • WebSphere MQ File Transfer Edition • FTP, FTPS, SSH/SFTP, SSH/SCP, HTTP, HTTPS, WebDAV, SOAP, ODETTE • AS1, AS2, AS3 and AS4 support • Extensible for custom protocols • Utilize Zip and GZIP to compress files
Business processes	<ul style="list-style-type: none"> • Create pre-defined event-driven business processes to limit setup and administration of process flows • Use rules-based processing to elevate file transfers to a business level activity
Security capabilities	<ul style="list-style-type: none"> • Multiple encryption standards (PGP, SSL/TLS, S/MIME) • Single sign-on, LDAP and user authentication • Encrypt both in-flight and at-rest files • Event logging to provide a comprehensive audit • trail of file transfer activities
Management and visibility	<ul style="list-style-type: none"> • File Gateway provides trading partners security-rich access to initiate upload and download requests • Choose from Internet Explorer, Safari or Firefox • Real-time monitoring and a self-service portal allows users visibility over in-flight file transfers • Monitor file transfer activity on an “exception” basis using event management notifications • Auditing and reporting provide metrics to help facilitate regulatory compliance and adherence to service level agreements
Scalability	<ul style="list-style-type: none"> • Native horizontal and vertical clustering support the volumes of consolidation of file transfer servers and growth in trading • The technical architecture supports high file transfers and extremely large files virtually without partner collaboration compromising performance
File processing and routing	<ul style="list-style-type: none"> • Use mapping capabilities to manage file naming relationships • Automate the replay, reprocess and resend associated with failed file transfers • Intelligently route files based on sender, file name, file type and file contents • Reusable templates help reduce staff time to build and maintain file transfers processes
Container Support	<ul style="list-style-type: none"> • Secure and cost-effective containers in the hybrid cloud • Achieve faster deployment, turn around and consistency • Lower IT costs and spend less time on maintaining infrastructure • Port seamlessly across multiple cloud endpoints • Facilitate fast and easy application of patches and updates
Seamless Interaction	<ul style="list-style-type: none"> • Seamless Interaction and architected for the future with Restful APIs • Build internal apps for company use around a micro-services model • Build customer-facing apps with internal assets • Create a shared pool of data and assets that allows teams to collaborate faster and easier • Streamline inbound and outbound marketing data collection via RESTful APIs



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