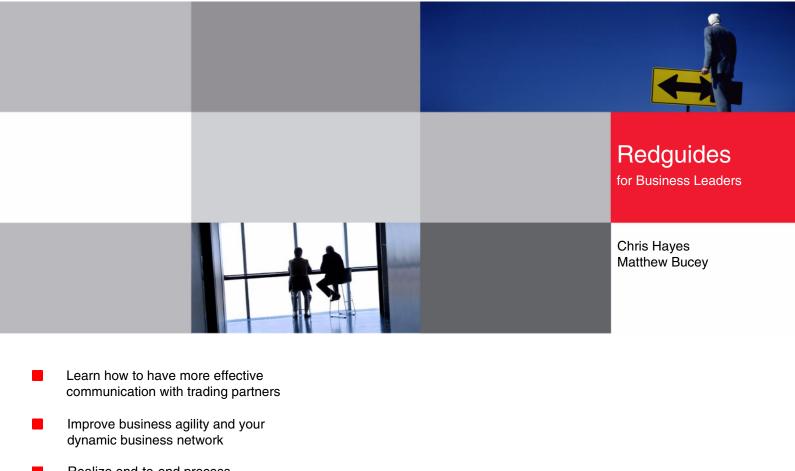


IBM Sterling Business Integration Suite: A Packaged Solution to Solve Your Business Integration Challenges



Realize end-to-end process visibility





Executive overview

Businesses are faced with the need to reduce costs and complexity, grow revenue and profit, and protect their company's reputation. Many businesses are looking at improving their integration capabilities as a way to achieve their business objectives.

IBM® Sterling Business Integration Suite allows customers to solve critical business-to-business and managed file transfer challenges; connect people, systems, and technology; and enable the secure and seamless integration of key business processes.

Rather than relying on multiple vendors and complex cross-vendor implementations, customers can solve their integration problems with the IBM Sterling Business Integration Suite. This comprehensive set of solutions allows customers to capture the greatest amount of ROI while reducing the complexity and total ownership cost of implementing an integration strategy.

This IBM Redguide[™] publication highlights the IBM Sterling Business Integration Suite and discusses how this solution offering can help your business improve the communication between you and your B2B community. This guide explores the need for dynamic business communication and the value of using the IBM Sterling Business Integration Suite. This guide explores the solutions architecture and the product offering that can be used to improve your ability to collaborate with your customers, partners, and suppliers.

What is the business need

Businesses are faced with the need to reduce costs and complexity, grow revenue and profit, and protect their company's reputation. Many businesses are looking at improving their integration capabilities as a way to achieve their business objectives. These same businesses are also expressing concerns about the existing solutions available to them for solving their integration challenges. These concerns include:

- Too many disparate integration tools
- ► The many limitations of older integration technologies
- Lack of managed file transfer capabilities
- Poor support for process improvements
- Lack of business process visibility

At the same time, trends like globalization, digitization, stiffer regulation, and the need for increased security are making comprehensive integration more important for businesses every day. Companies are facing a rapidly changing and increasingly complex set of business issues that cannot be effectively addressed on a tactical, one-by-one basis. Managing these issues demands a comprehensive integration solution.

IBM Sterling Business Integration Suite is a comprehensive solution that can meet almost any integration need, from connecting businesses to one another, to moving massive amounts of data anywhere in the world, to streamlining the internal processes of a single enterprise. The suite includes the capabilities needed for a truly comprehensive integration strategy. Key capabilities include:

- Faster and easier partner onboarding
- More effective communication with trading communities
- ► Fast, secure, and reliable movement of massive amounts of data
- Visibility into business activity for predictable performance
- ► Improved service level agreement (SLA) compliance driving more business
- Bullet-proof data security to better protect your brand
- Mobile enabled

The suite also addresses today's integration concerns, because it supports ongoing business process improvements, provides business process visibility, and much more. No other solutions provider delivers the unique blend of B2B and data movement capabilities for end-to-end integration.

IBM Sterling Business Integration Suite optimizes and transforms your dynamic business network of internal stakeholders and external partners by responding to three imperatives:

- Improving business agility
- Increasing operational efficiency
- Driving greater performance

IBM Sterling Business Integration Suite does this through secure and flexible integration, seamless automation, and visibility into actionable information across IT and business processes. A dynamic business network enables companies and their customers, partners, and suppliers to connect, communicate, and collaborate in a productive, secure, and effective manner, driving positive business results for all involved.

The following scenarios exemplify the business need.

A scenario to help tell the story

A company is looking for a way to automate manual, labor-intensive processes by integrating their B2B partner data directly with internal systems. They need to support certain B2B protocols and standards mandated by their major customers and they need to be able to connect with a diverse and disparate set of suppliers. As well as typical order-to-cash documents such as orders, ship notices, and invoices, they also need to be able to send large product catalogue files to their suppliers. Meeting regulation and compliance requirements from the government and their trading partners during data exchanges and ensuring the security of data is vital to the success of this activity.

IBM Sterling Business Integration Suite provides a comprehensive integration solution that can solve the most complex B2B and Managed File Transfer (MFT) integration scenarios. It provides a wide breadth of B2B communication protocols and data format standards, making it easy for them to support their customers, as well as to connect with small and medium suppliers with limited B2B capabilities. MFT capabilities also allow them to securely exchange very large product files with their suppliers. The solution provides them with the security, scalability, and performance capabilities that they need to integrate their B2B processes across their internal systems and B2B partner communities.

A picture sums it up

Figure 1 on page 4 depicts a common flow of the *buy-sell-ship-pay* process between companies. The steps are:

- 1. Sales activity and proposal exchange between seller and buyer
- 2. Submission of (purchase) order to the seller
- 3. Order status checking by buyer
- 4. Advanced shipment notification between seller, buyer, and carrier
- 5. Tendering of the freight with the carrier by the seller
- 6. Shipment status is verified by carrier
- 7. Delivery made to buyer
- 8. Delivery verified between seller and buyer
- 9. Generation and sending of the invoice to the buyer from the seller
- 10. Generation and sending of payment from buyer to the (seller's) bank

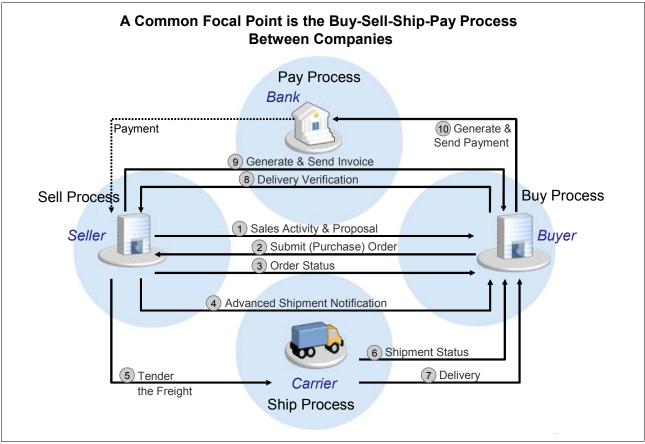


Figure 1 Buy-sell-ship-pay process

This activity can occur hundreds, if not thousands, of times a day. Automating this process can have tremendous benefits:

- Administrative cost reductions drive the potential for 30 60% hard dollar savings.
- Real-time order processing. The elimination of manual order entry results in the product being shipped faster, increasing the turnover of inventory.
- Management and control of peak processing drives the elimination of staffing challenges and improves order/invoice data accuracy during peak order cycles.
- Significant reduction in errors related to manual entry of information, resulting in fewer incorrect orders being shipped to customers and less time spent on issue resolution.
- Automation enables a significant improvement in visibility and tracking, which is difficult to achieve across manual processes

Business value of the solution

Sterling Commerce, an IBM Company, provides comprehensive integration solutions that help you optimize your dynamic business network. With the IBM Sterling Business Integration Suite you can:

- Improve business agility by securely and flexibly integrating with any partner, any system, anywhere. This is crucial to making vital connections with customers, suppliers, and others in your B2B community.
- Improve operational efficiency by seamlessly automating manual business and IT processes inside and outside your enterprise. This saves you staff, time, and money, which can be used to grow your business in other key areas.
- Improve business performance by providing visibility into actionable information across your key business and IT processes.
- Empower data movement by providing assured file delivery with visibility, control, and governance for all data movement, including with third-party FTP servers.

IBM Sterling Business Integration Suite Architecture

Sterling Commerce, an IBM Company, provides the integration solutions and capabilities vital to optimizing your dynamic business network. The heart of IBM Sterling Business Integration Suite (Figure 2) comprises these two core product offerings:

IBM Sterling B2B Integration

This product offering enables the secure and seamless execution of multi-enterprise business processes with 100% of your customers, partners, and suppliers.

► IBM Sterling Managed File Transfer

This product offering provides secure data movement enabling your enterprises to gain control and oversight of the transfer of huge amounts of vital corporate data while reducing security risks and improving your IT and business efficiency.

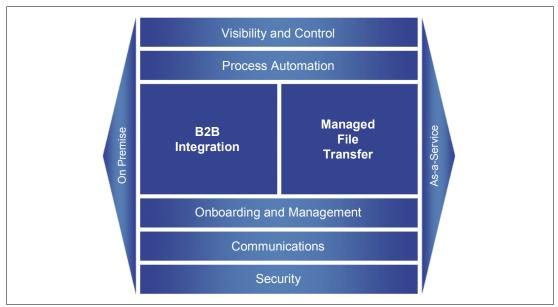


Figure 2 IBM Sterling Business Integration Suite

This product offering establishes five central services, which are:

- Visibility and control of your data and business processes
 - End-to-end process visibility and governance for all data movement
 - Centralized dashboards and alerts for tracking partner trading performance
 - Mobile access to critical processes so that you can manage exceptions and improve productivity
- Process automation streamlining and simplifying your business environment
 - Business process modeling
 - Integration flexibility
 - Data processing/translation
- Onboarding and management of new and existing business partners
 - Recruitment services and tools for document and partner expansion projects
 - Partner change management and tracking
 - Small partner enablement solutions
- Communications with your B2B community

Supports any format, any protocol, any size file/message transfer

- Security at all stages in the data-handling process
 - Proxy services that prevent direct communication between external and internal networks
 - Data privacy and integrity
 - Secure networks that have never been breached

IBM Sterling B2B Integration

IBM Sterling B2B Integration automates business processes shared with trading partners and others in your B2B community. Automation of the complete *buy-sell-ship-pay* process (involving a wide range of documents and business processes) can be accomplished with this product. The *buy-sell-ship-pay* process goes beyond just the buyer or seller of the goods/services, and includes your greater B2B community, such as banks and third-party logistics companies. This solution automates key processes and provides visibility into data and processes shared with others in your B2B community. Benefits include:

- Extend business processes to 100% of your business community.
- Improve business agility, operational efficiency, and business performance.
- Add secure and flexible community integration and business process automation to your business processes.
- Gain visibility into actionable information across your IT and business processes.
- ► Deploy solutions on-premise, *as-a-service*, or as a hybrid combination of both.

IBM Sterling B2B Integration solutions are available in a various deployment and operational models (Figure 3) designed to meet your business needs:

- On-premise: Software solutions are located at your business site, executing within your IT environment, giving you overall control of the data and data transfer activity.
- As-a-service: Software solutions ranging from on demand to fully managed cloud-based solutions, providing you with the flexibility to quickly adapt as your business needs change and evolve.
- ► Hybrid: Providing a combination of software on-premise and in the cloud.

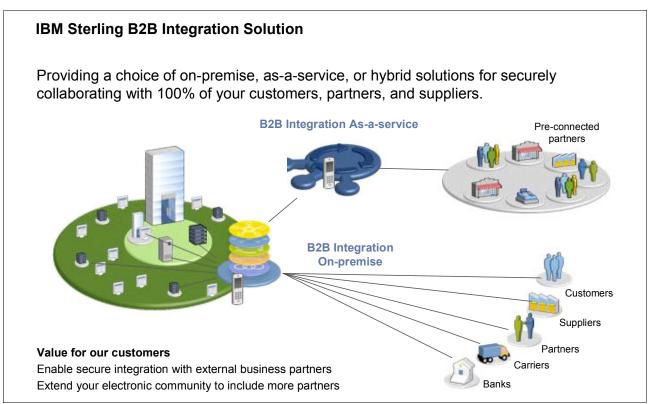


Figure 3 Deployment options

Table 1 lists Sterling B2B Integration solutions and their delivery modes.

Table 1 Sterling B2B Integration solutions

Solution	On-premise	As-a-service	Capabilities
IBM Sterling B2B Integrator	Yes	No	Powers business process orchestrations, high-volume electronic message exchange, complex routing, translation, and flexible interaction with multiple internal systems and external business partners.
IBM Sterling Gentran®	Yes	No	A trusted EDI and data translation solution helping you manage your B2B community.

Solution	On-premise	As-a-service	Capabilities
IBM Sterling e-Invoicing	Yes	Yes	Automates business processes and tax compliance, using global integration standards to support buyer and supplier compliance in a single solution. This is accomplished while also maintaining conformity with tax regulations for multiple countries.
Sterling mobile solutions	Yes	Yes	A variety of mobile solutions that enable your employees to conduct business easily on a wide range of mobile devices while away from the office.
IBM Sterling B2B Collaboration Network	No	Yes	Provides secure connectivity and collaboration with customers and business partners. It delivers unprecedented visibility and control over the business processes shared with outside companies.
IBM Sterling B2B Integration Services	No	Yes	Provides comprehensive partner onboarding, business process management, and community support.

IBM Sterling Managed File Transfer

Enterprises depend on many types of data movement in their dynamic business network, including:

- Outside processing of information such as credit card transactions, payroll, and reporting
- B2B exchanges of information such as designs, planning and scheduling data, and order information
- Ad hoc communications to support special needs/situations such as sharing marketing proofs, legal documents, and IT support logs
- Batch file transfers to support file-based system integration

All these types of data movement show a linkage between data transfers and key collaborative processes. These data movements and the processes that they feed are critical to your business and communications, both inside and outside the organization. These various forms of data exchange have been established over time as part of many independent projects, causing solutions where the data handling takes place in silos and in many different forms, commonly categorized as managed and unmanaged file transfers.

Sterling Managed File Transfer provides the services needed to take control of file transfers and ensure secure delivery of the data. Sterling Managed File Transfer includes these key capabilities:

- Encrypt data both while it is being transferred and at rest.
- Provide safe internet transfer, reducing the number of dedicated lines needed to transfer data.
- Integrate with your existing security infrastructure.
- Increase the speed of transfer by up to 400%.

- Ensure the delivery of your data by using built-in automation and checkpoint restart.
- ► Simplify automating file transfer processes with pre-built templates.
- Provide community management and enable onboarding of new members with minimal IT involvement.
- Provide service level agreement (SLA) management using automated notification of file transfer problems.
- Conduct fast remediation with the ability to trace the cause of problems and fix them faster.
- ► Assure compliance by providing full documentation of data transfers and audit trails.

Figure 4 shows how the Sterling Managed File Transfer solution offers a modular deployment. Sterling File Gateway provides B2B onboarding and file transfers. Connect:Direct enables point-to-point file transfers. Sterling Control Center manages and monitors file transfer activity, and Sterling Secure Proxy prevents unauthorized access to your business networks.

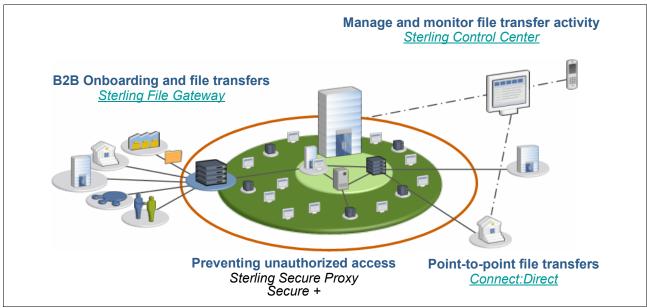


Figure 4 Sterling Manage File Transfer a modular deployment

The Sterling Managed File Transfer solution is available with various products that can either work stand-alone or together. The products are:

► IBM Sterling Connect:Direct

Point-to-point file transfer software optimized for high-volume, assured data delivery of files within and between enterprises

► IBM Sterling Connect:Direct Secure Plus

An add-on to IBM Sterling Connect:Direct that provides configurable authentication and encryption

► IBM Sterling Control Center

A management solution for all your file transfer activity

► IBM Sterling File Accelerator

High-speed Transmission Control Protocol (TCP) alternative increasing transfer speed by up to four times

IBM Sterling File Gateway

A service-oriented architecture (SOA) based solution allowing you to incorporate your file transfer communities into all your business processes and incorporates web-based interfaces for customer self-services and rapid onboarding

IBM Sterling Secure Proxy

A demilitarized zone (DMZ) based application proxy that protects internal networks from the security risks associated with internet-based trading partner, customer, and supplier data exchanges

Summary

This guide explained how IBM Sterling Business Integration Suite can be used to achieve integration of your ever-changing business network. We discussed situations that can be helped using these products and the architecture of the suite. Every business wants to perform better and communicate effectively and securely with their B2B community and have efficient and effective business processes. IBM Sterling Business Integration can make that happen.

Other resources for more information

For more information review these resources:

- IBM Sterling Business Integration Suite and the Sterling product
 - http://www.sterlingcommerce.com/
- IBM Redbooks® publication Sterling Integration for Commerce and File Transfer, SG24-7927

The team who wrote this guide

This guide was produced by a team of specialists from around the world working with the International Technical Support Organization (ITSO).

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Thanks to the following people for their contributions to this project:

LindaMay Patterson International Technical Support Organization, Rochester Center

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This document, REDP-4723-00, was created or updated on January 28, 2011.

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