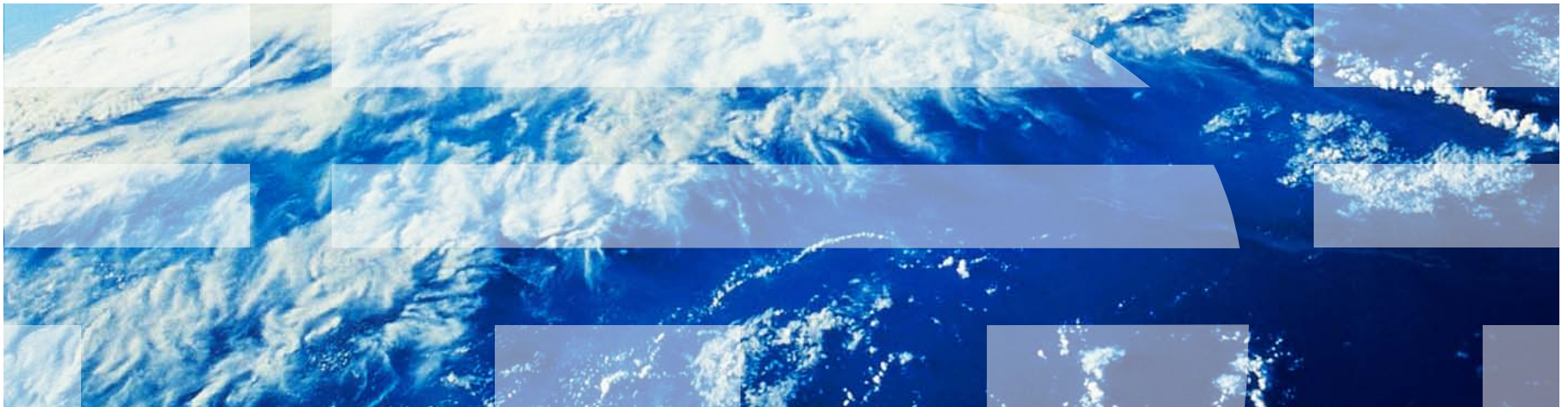


IBM Sterling B2B Integrator - overview



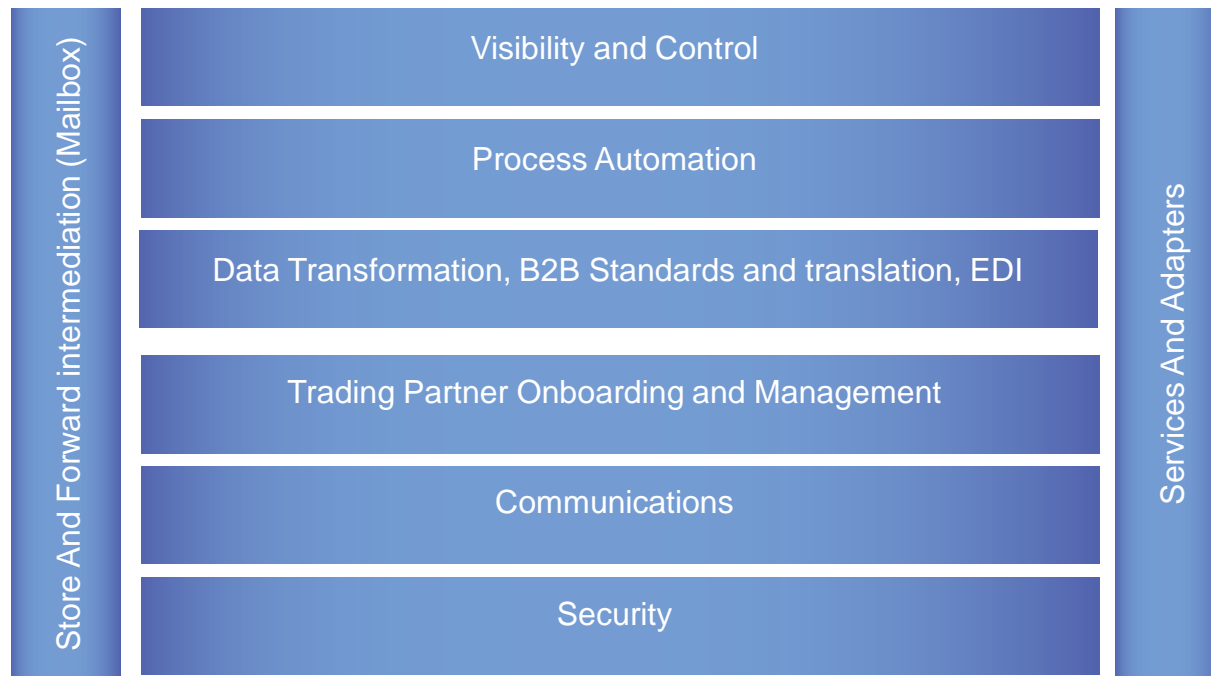
-
- The diagram illustrates a central hub-and-spoke model for supply chain management (SCM) processes. The central hub is a blue circle containing several icons: a green upward arrow with a wrench, a lightbulb, a gear, a truck, and a bar chart. Radiating from this hub are 18 callout boxes, each connected by a line to a specific icon or set of icons. The callouts include:
- Supplier Performance Tracking/Mgt.
 - Exception Alerting
 - Collaborative Forecasting
 - Automated Receiving/Reconciliation
 - Global Inventory Visibility
 - Automated Discrepancy Reconciliation
 - Automated ASN Generation
 - Logistics Management
 - Delivery Scheduling
 - Partner & customer Onboarding
 - Order Integration
 - Exception Alerting
 - Customs Automation
 - Global Inventory Visibility
 - PO Tracking/Status
 - Electronic Invoicing
 - PO Collaboration
 - PO Aggregation
 - Payments Automation
 - Supplier Performance Tracking/Mgt.
- The diagram uses various icons to represent different aspects of SCM, such as trucks for logistics, people for collaboration, and databases for data management.

Integration challenges

- Business situations
 - 100,000+ trading partners, typically spread across geographies
 - geographically separated internal units – Multi-enterprise environment
 - Acquisitions bring in very disparate systems
 - Necessity to retain legacy systems
- Technical challenges
 - Data Transformation (need support for any data type or format or protocol)
 - Process Automation (need to have minimum manual intervention)
 - Visibility (monitoring and managing processes)
- High Volume data
 - TBs of inbound and outbound data in a 24 hour period
 - 100,000+ files in a 24 hour period
 - File sizes ranging from KBs to GBs
 - Several files/sec
 - Volume goes up with time
- Security

IBM Sterling B2B Integrator

- IBM Sterling B2B Integrator is a **transaction engine** and **set of components** designed to run processes you define and manage according to your business needs
- supports **high-volume** electronic message exchange, complex **routing**, **translation**, and flexible interaction with multiple **internal systems and external business partners**
- Has robust **security** infrastructure, visual management tools for easy configuration of and **visibility** into work flows, system and trading partner activities
- Integrates applications, processes, data and people, both within and outside an organization



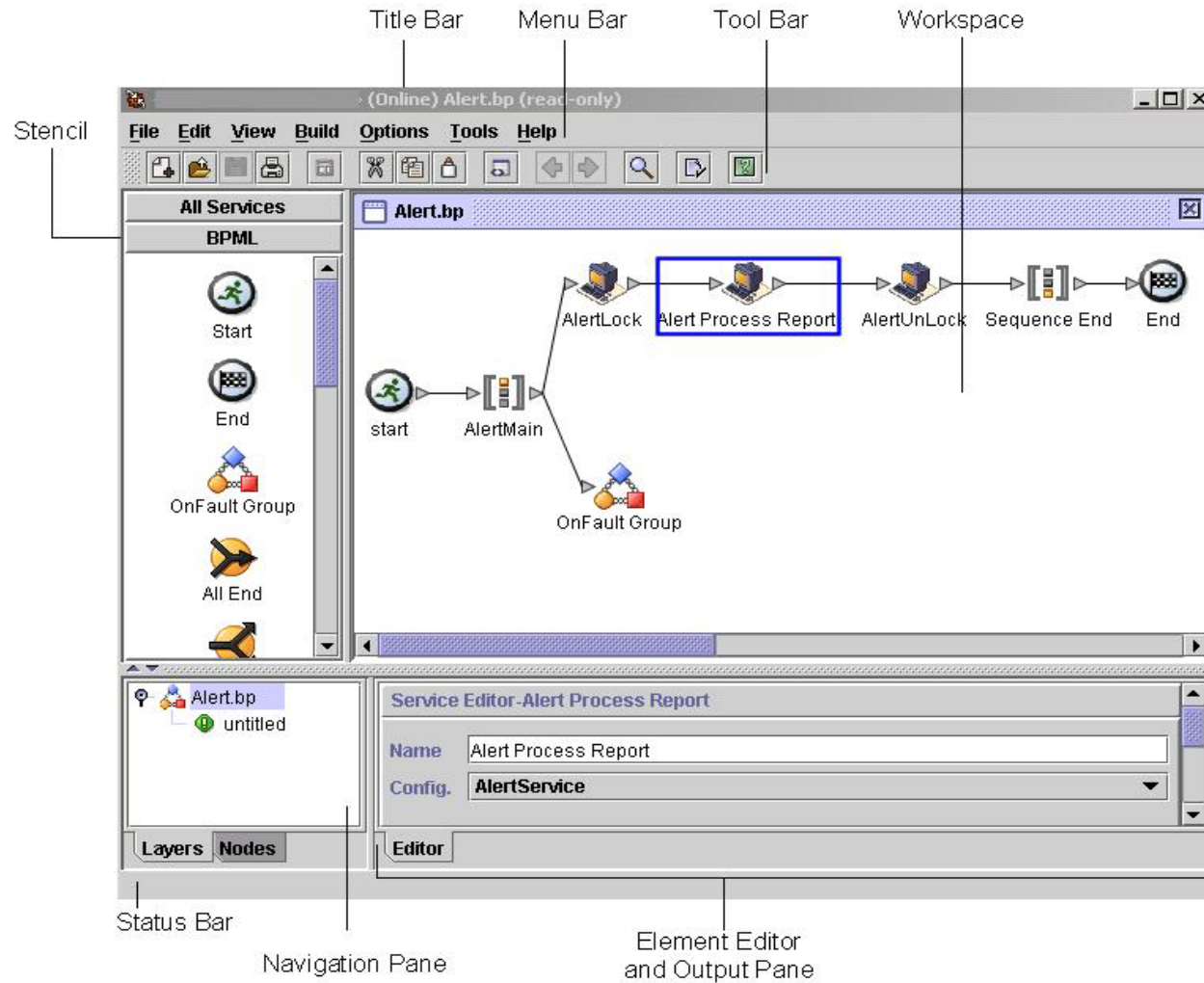
The Sterling B2B Integrator Advantage

- Is designed around a core **transaction/business process engine**, which orchestrates your message exchange, routing, translation, and other processes
 - You can use pre-defined **business processes** or write your own
 - You can add capabilities on the fly for specific activities as required
 - Provides flexibility in adapting your system to changing requirements
 - Supports XML, EDI, and proprietary file translation and transformation
 - Graphical process modeling tool to create business processes
- Has a comprehensive set of **services and adapters** that are the basic units of functionality in the business processes
 - Client adapters can connect to both internal and external systems and exchange data
 - Server adapters can receive connections and kick off business processes
 - Services can do useful work within SBI
- Is built on **industry-accepted data standards**, formats, communication protocols, workflow modeling, and security thus maximizing interoperability between systems and trading partners
 - Reduces integration complexity and cost
 - Supports the rapid and secure delivery of emerging solutions
- Allows you to configure and manage trading partner profiles
 - Trading partner specific data can be held in one place
 - Profiles are re-usable

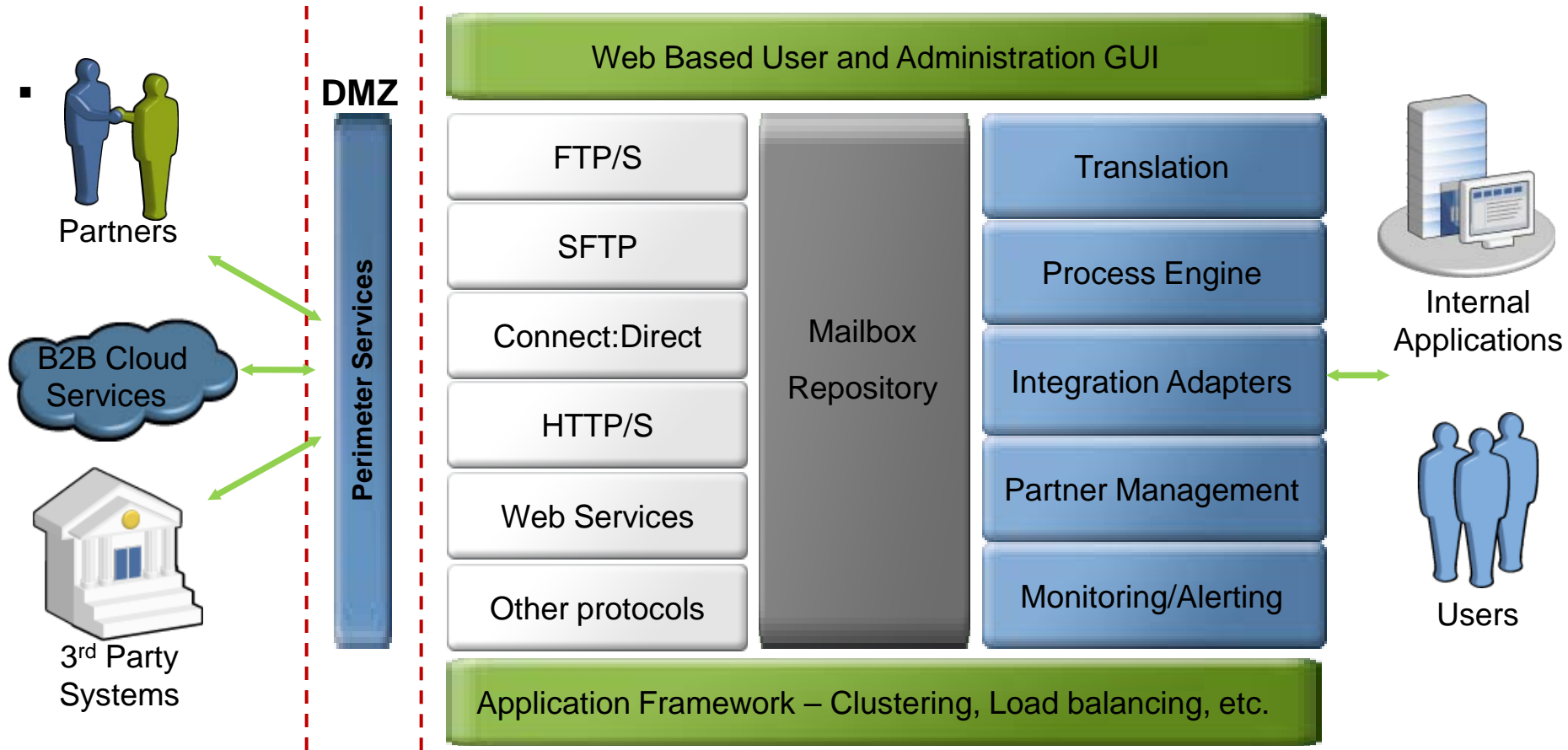
The Sterling B2B Integrator Advantage

- Enables you to **customize security** and facilitate user-based routing within a process
 - AS2 and AS3 transport, SSL for HTTP
 - Digital certificate management
 - Document encryption in the database
 - SFTP and FTP server/client capability
 - Digital signatures with ebXML messaging
 - User ID and password authentication for user interface applications
- Includes a **perimeter server** communication management component which is a single entry point installed in a demilitarized zone (DMZ) to manage communication flows between a perimeter network and Sterling B2B Integrator transport adapters
 - enables an adapter to communicate through an internal firewall with a perimeter server within the DMZ.
 - enhances security by moving security threats away from your secure network and data
- **Interoperates well** with IBM® Sterling Gentran:Server® family of products and IBM Sterling Connect:Direct®, Sterling Connect:Enterprise™

Business Process Modeling UI (GPM)



IBM Sterling B2B Integrator Architecture



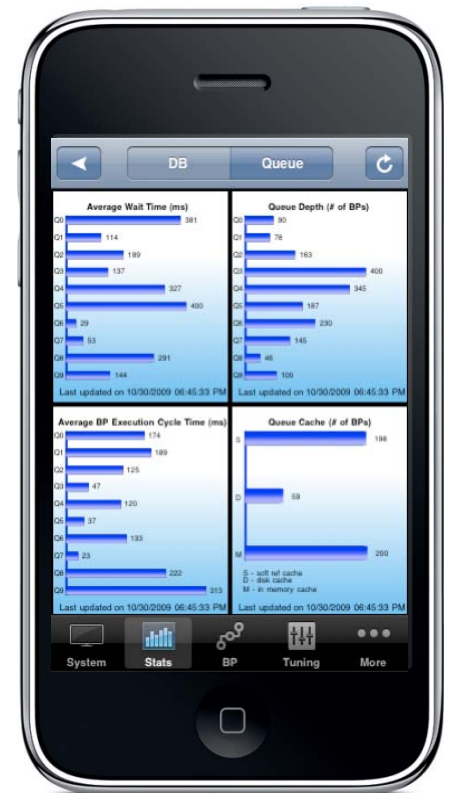
Other features of Sterling B2B Integrator

- Communications
 - B2B communication protocols: Web services (SOAP), S/FTP/S client and server, HTTP and HTTP/S, SMTP, AS1, AS2, AS3 and RosettaNet, WebDAV, Zengin TCP/IP, IBM® Sterling Connect:Direct®, OFTP
 - Policy-based file transfer
 - Multi-gigabyte file handling
 - IPv6 compatible
- Transformation
 - Traditional EDI: X12, EDIFACT, CII, TRADACOMS, and Verband der Automobilindustrie (VDA)
 - XML standards: OAGi, CIDX, PIDX, and RosettaNet
 - Internet standards for B2B data exchange: RosettaNet RNIF, ebXML, 1SYNC, and EBICS
 - XSLT service to transform XML documents
 - Graphic data mapping tool (Map Editor)
- Back-end connectivity adapters
 - Enterprise applications (SAP, Oracle, PeopleSoft, Vantive etc)
 - EAI messaging platforms (IBM WebSphere MQ, Oracle AQ, BEA Tuxedo, TIBCO Rendezvous, Microsoft MSMQ, JMS Queue and Topic)
 - JDBC, CORBA, LDAP, command line, file system, EJB, RMI, SNMP trap, JCA, IM (Instant Messaging)

IBM Sterling B2B Integrator Mobile

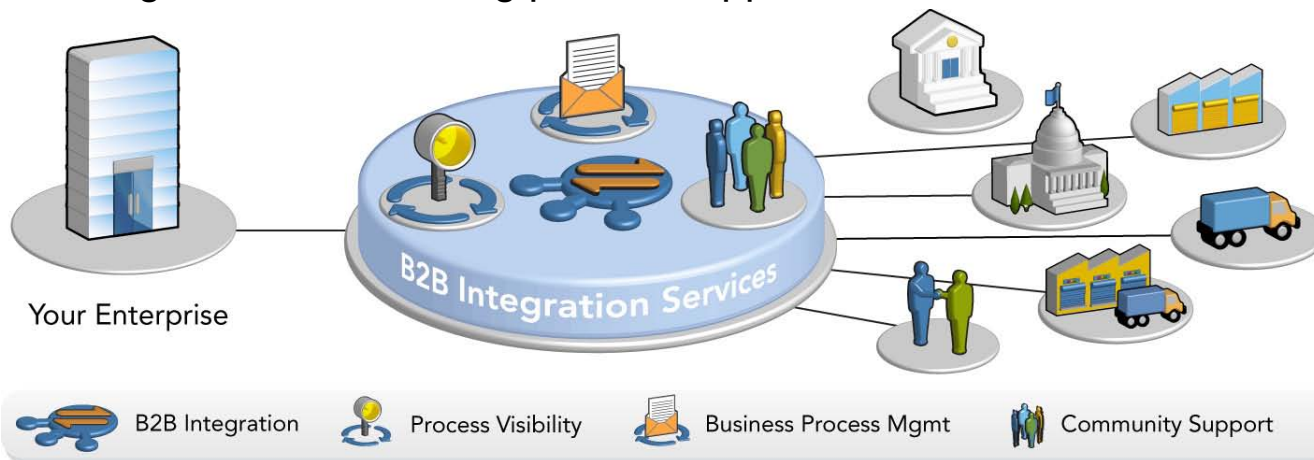
- Ensure the health of Sterling B2B Integrator solution from anywhere - provides monitoring features on the go
 - System status
 - Database growth
 - Average business wait time

- Take corrective action from a mobile digital device
 - Run or restart any failed or halted business process
 - Manage lock resolution for users and resources
 - Initiate thread/heap dumps
 - Turn logging on and off



Sterling B2B Collaboration Network & Sterling B2B Integration Services

- IBM Sterling B2B Collaboration Network is a flexible cloud B2B Integration solution
 - Value added network (Sterling Integration Broker)
 - Multiple protocols, all forms of EDI
 - Outsourced management and technical support for partner on-boarding
 - Has managed as many as a billion documents in a month
 - 100 public and private networks around the world
- IBM Sterling B2B Integration Services
 - Solution built on the cloud-based B2B integration and visibility capabilities of IBM Sterling B2B Collaboration Network
 - Provides comprehensive service offerings for partner onboarding, B2B process management, and trading partner support



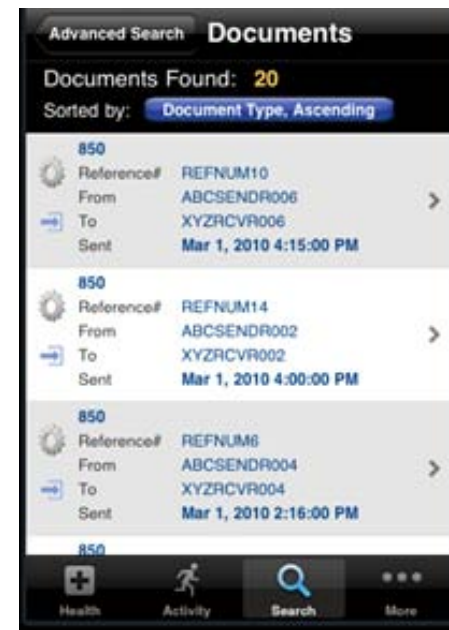
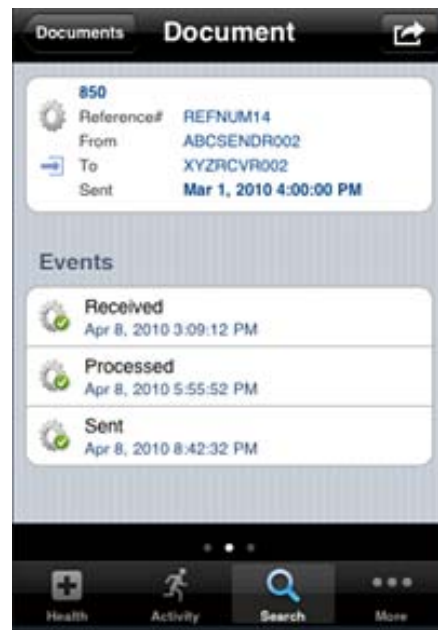
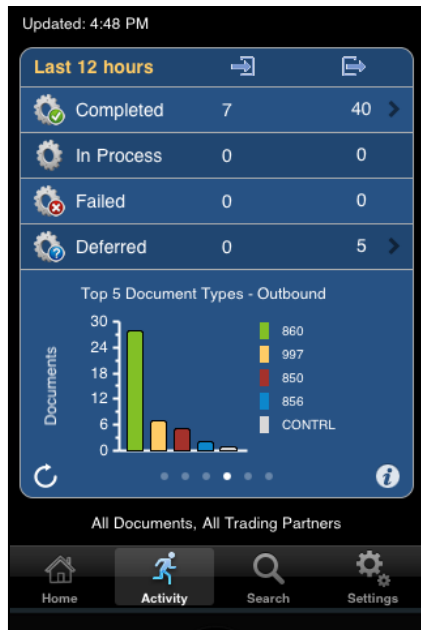
Other operations-focused mobile applications

▪ Sterling Document Tracking Mobile

Provides users of Sterling Collaboration Network with anywhere, anytime, mobile handheld device access to monitor, search, review and manage document and trading partner activity

▪ Sterling InFlight Data Management Mobile

Provides users of IBM Sterling B2B Managed Services and IBM Sterling B2B Collaboration Network access to search, view, track and monitor B2B documents processed through the IBM Sterling integration as-a-Service platform and exchanged with their trading partners



Links

- <http://pic.dhe.ibm.com/infocenter/sb2bi/v5r2/index.jsp>
- <http://www-01.ibm.com/software/commerce/b2b/products/b2b-integrator/>
- <http://www-01.ibm.com/software/commerce/b2b/b2b-collaboration-network/>
- <http://www-01.ibm.com/software/commerce/b2b/cloud-services/integration-services/>
- <http://www-01.ibm.com/software/commerce/products/mobile-enabled/>