

Axway Interchange

Create and manage high-volume B2B communities



Built on an open, Java-based architecture, Axway Interchange is a high-performance, highly scalable B2B gateway designed for real-time communications using a wide range of B2B messaging protocols — such as EDIINT AS/2, ebXML ebMS, and OFTP — and managed file transfer with PeSIT-support. Axway Interchange enables you to establish efficient online communities that reliably and securely connect your enterprise with all of your partners — customers, suppliers, service providers, financial institutions, regulatory bodies and more — across marketplaces of any size.

Key Features & Benefits	
Comprehensive and secure B2B communications Accommodate the communication needs and preferences of current and future partners	<ul style="list-style-type: none"> ▪ Consolidate management of all B2B messaging protocols, file transfers and web services — all in one place. ▪ Automate the flow of information for all types of B2B interactions and dynamically route communications based on content, context and partner roles ▪ Leverage a wide range of application integration protocols to integrate B2B business transactions with existing business applications
Visibility Gain comprehensive end-to-end “dashboard” visibility into all process and data flows	<ul style="list-style-type: none"> ▪ Administrative home page provides high-level portal view into all facets of administration, including real-time system statistics, usage information and integration with other systems ▪ Technical dashboards deliver visibility into B2B transmissions and service levels ▪ Axway Sentinel dashboards and monitoring provide advanced KPI and SLA monitoring, comprehensive business event monitoring, proactive notifications and more
Industry-leading security and governance Secure and control data traveling inside and outside your enterprise firewall — no matter what applications, systems or platforms you or your trading partners have in place	<ul style="list-style-type: none"> ▪ Multiple security measures include transparent message and file encryption, secured connections, authenticated partner access, data integrity checks, password policies and non-repudiation of origin and receipt using signed digital receipts ▪ Data is secured in transit, in the DMZ and at rest on the server, regardless of the underlying transport network ▪ IP address white -listing allows only exchanges from approved organizations to flow through ▪ Strong audit trails protect against legal liability and demonstrate compliance with current and emerging regulations and standards



Key Features & Benefits**Flexible partner management and deployment**
Enable and manage your entire community quickly and easily

- Wizard-driven configuration simplifies all aspects of partner on-boarding and certificate management
- Axway Endpoints quickly establish last-mile connections with your trading community
- Automatic profile synchronization ensures that information is always up-to-date between you and your trading partners

Scalability & performance
Interchange meets the high-capacity and high-availability demands of the world's largest trading communities, yet also scales down for starting small

- Near real-time document exchange speeds the pace of business, with no limits on document size
- Establish unlimited connections for your trading partners, unlimited communities of users for organizational and management purposes, and unlimited system admin users with role-based access rights
- Speed transactions and leverage failover with active/active clustering, high availability and real-time load balancing

B2B Protocols

EDIINT (AS1, AS2, AS3)
AS4
ebXML 2.0 (ebMS 2.0, CPA 2.0, Reg/Rep)
EBICS
RosettaNet RNIF 1.1, 2.0
OFTP v1 and v2 X400 (X420 & 435 profiles and P1 and P7 protocols)
Web Services (WS-Security, WS-Addressing, and more)
PeSIT
HTTP, HTTP/S, Staged HTTP Servlet
FTP, S/FTP, FTP/S
JMS and IBM WebSphere MQ
WebDAV
Secure file and secure email
MLLP
SDK for custom protocols

EDIINT (AS1/2/3), AS4 and ebXML are certified by the Drummond Group annually
OFTP V2 is certified by ODETTE

Integration Protocols

JMS
IBM WebSphere MQ (MQSeries)
PeSIT
FTP Server and Client (scriptable and extensible)
File system
File system with Message Metadata
Web Services API client
MLLP
SDK for custom protocols

Core Functionality

With an emphasis on usability, ease of management, and optimizing efficiency to reduce cost and time to revenue, Axway Interchange is especially well suited for B2B communities requiring enriched standards such as EDIINT (AS1, AS2 and AS3), OFTP, ebXML, Web Services and RosettaNet.

Dynamic Routing Engine

Dynamically route communications based on content, context, and user roles.

- Content-based routing offers user-friendly configuration and complete audit trails of transactions that leverage document header content.
- Routing based on partner profile preferences and document header enables flexible management and easy configuration of B2B processes.
- Direct communication with applications via multiple native integration protocols or Axway Transfer CFT enables flexible and rapid integration.
- Seamless integration with existing ESB leverages infrastructure investments.
- Upgrade to Axway B2Bi to add content-based routing on full document, data mapping from any to any format, application adapters, as well as more advanced enterprise integration capabilities.

User & Role Management

Support both internal and external functions throughout your trading community.

- Define users and apply roles to grant users access to specific features and functions.
- Apply filters to roles so that users can only see the data that is appropriate for them.
- Use the Axway single sign-on API to support external user stores.

Flexible Partner Management

- Partner management streamlines how you (the hub) on-board, maintain and interact with members of your B2B community (the spokes) for business processes and associated interaction patterns.
- A web-based partner management wizard allows you to quickly define, test and deploy new partners and transactions.



Community Management

- Axway Community Management complements Axway B2Bi with cloud-based community management features that enable you to on-board partners quickly and manage campaigns across your entire member directory.
- Provisioning services automate the deployment and configuration of endpoints.

Partner Self Registration

Speed the on-boarding process with built-in self-registration workflow.

- Guide potential trading partners through marketing campaigns to a self-registration web site.
- Enable your administrator to accept and enable partner applications on an individual basis.

Message Tracking

Enable configurable message tracking with easy-to-use style sheet views.

- Create and save commonly used searches.
- Search and refine standard message data as well as custom metadata.
- Troubleshoot and resubmit failed messages.
- Combine message tracking with user roles and filters to limit message tracking by partner or department.

Statistics Monitoring

- Use real-time statistics monitoring based on Java Management eXtension (JMX).

Security Models

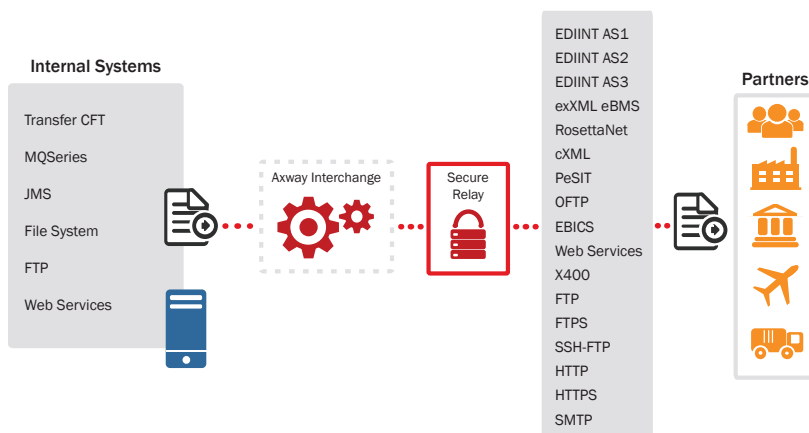
RSA, VeriSign, Entrust, Baltimore certificates
Self-signed certificates
Lifecycle management

Security Standards

Encryption: RC2, RC4, DES, 3DES, AES
Signature: MD5, SHA1, SHA-256
Transport: SSL 2.0, 3.0, TLS 1.0, TLS 1.2, SSH 2.0 (client authenticated)
S/MIME PGP for FTP and SFTP
Certificates: (X509, PGP) with CRL, CSR and CEM support
FIPS

Networks

TCP/IP
X.400
ISDN



System Specifications

Supported Platforms & Databases

Operating Systems

Windows 64-bit

Versions:

2008 R2, 2012, 2012 R2

Linux 64-bit

Versions/Editions:

Red Hat Enterprise Linux 6, 7

SUSE 10/11

AIX 64-bit

Versions:

7.1

Databases

IBM DB2 9.7 and 10.5

Oracle 11g, 12c

Microsoft SQL Server 2008

SP1, 2012

MySQL 5.6

Axway Secure Relay for DMZ security

Axway Secure Relay protects data in motion by preventing storage of sensitive information in the DMZ. With Secure Relay, you can deploy Interchange behind your internal firewall in a protected network, securing TCP/IP connections coming from the Internet to Interchange, and vice versa. Secure Relay authenticates senders in the DMZ before it reaches your firewall, increasing data protection. You can deploy multiple Secure Relay gateways in the DMZ for load balancing and performance optimization.

- Multi-protocol support (SMTP, FTP/S, SFTP, HTTP/S, AS1, AS2, AS3, ebMS, RNIF)
- Active/active cluster architecture support
- Easy integration with existing security infrastructures and firewall policies

Axway Secure Client Endpoints for FTP/S, HTTP/S, SSH

Designed to operate with an RFC-compliant server, Axway Secure Client is a standalone FTP/S, HTTP/S, and SSH client that enables users to transfer any size file with full security and reliability, either manually or using scheduled, automated batch transfers and application scripts.

Axway Activator Endpoints for EDIINT

Supporting AS1, AS2 and AS3 protocols, Axway Activator is a B2B endpoint that enables enterprises to quickly move B2B transactions — including EDI — to the Internet.

Axway WebTrader Endpoints for Zero-footprint Web Client

Use optional Axway WebTrader endpoints and/or a zero-footprint, directory-based interface to exchange files over HTTP with less technically sophisticated partners.

- No manual installation required; software components are deployed and updated automatically.
- Immediately begin exchanging files with any trading partner who has Internet access and a web browser.

Axway Transfer CFT for Managed File Transfers

Axway Interchange integrates fully with Axway Transfer CFT, a non-intrusive multi-platform file transfer controller. Axway Transfer CFT supports the PeSIT protocol, and when used with Axway Interchange, creates a highly secure, automated communication gateway for partners that use PeSIT. Also works for A2A PeSIT exchanges, handling flows between applications.

For more information, visit www.axway.com

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