

Axway Integrator

Flexible integration for modern and dynamic infrastructures



A modern data exchange and integration infrastructure needs to be nimble and flexible enough to quickly accommodate changing partner requirements, emerging government regulations and compliance mandates, and new market conditions including globalization and supplier community automation. While organizations typically use several systems to support multiple document standards and protocols, as well as a large number of systems and data formats, the result is often higher maintenance costs, increased complexity, and loss of control due to a lack of integration. Multiple systems and solution redundancy can also lead to decreased efficiencies, higher security risks and loss of data integrity.

Axway Integrator helps IT organizations to build, manage and optimize integration platforms that solve these challenges. In addition, Axway Integrator provides a logical central point through which data flows are integrated, secured, controlled and monitored. Axway Integrator makes it easy to add and change systems and data, and provides end-to-end visibility into infrastructures and data flows.

Key Features & Benefits	
<p>Flexible, adaptable, and extensible integration solution Orchestrate the entire spectrum of integration processes — regardless of format type or origin</p>	<ul style="list-style-type: none"> ▪ Replace point-to-point interfaces with a convenient, centralized solution ▪ Support unlimited file formats, including customer-specific formats, protocols and integration processes ▪ Route information (in batch, real-time, or both) to multiple recipients in different data formats and reception modes
<p>Seamless integration with diverse platforms and applications Easily manage back-end integration using Integrator's mapping, transformation, routing, and other advanced capabilities</p>	<ul style="list-style-type: none"> ▪ Transform, validate, route and exchange data with any business application ▪ Provision any multi- or cross-enterprise business processes into a scalable and highly available architecture ▪ Migrate from limited and legacy translators to highly customizable, modern, and advanced application integration capabilities ▪ Integrate old and new applications without modification due to the non-intrusive nature of Integrator

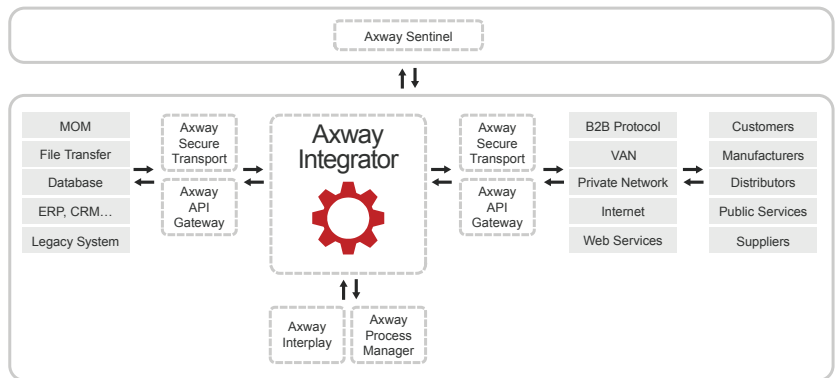


Key Features & Benefits	
Rapid deployment and efficient processing Speed implementation of new data flows and integrations with a single solution that is open and customizable	<ul style="list-style-type: none"> ▪ Transport converted files to any destination or application with user-defined processes and controls ▪ Create and edit maps with graphical views and standards-extendable transformation languages, including Java, C, SQL ▪ Deploy software changes and upgrades easily and efficiently through the embedded technical complexity and underpinnings that Integrator provides ▪ Distribute processing over multiple processors and servers, either locally or remotely, while keeping the design, integration and synchronization technology centralized
Real-time visibility for business and IT users Integration with Axway Sentinel enables immediate response to incidents and non-events to minimize business impacts	<ul style="list-style-type: none"> ▪ Provide business users with end-to-end visibility into transactions both internal and external to your enterprise ▪ Define monitoring dashboards with key KPI and SLA metrics, and define alerts for proactive problem detection and resolution ▪ View dynamic HTML5 Web dashboards on mobile devices

Build, Manage and Optimize Integration Platforms

When disparate systems are integrated in a disorganized manner, and without following a structured Enterprise Application Integration (EAI) strategy, the number of point-to-point connections grows quickly and becomes unmanageable. The result is a complex structure of application dependencies that is difficult to maintain and impossible to expand to meet new business demands.

Axway Integrator unites multiple incompatible systems, data formats and protocols to effectively handle all transactions with suppliers, customers, and other trading partners. This simplifies the corporate application landscape, reduces cost, and diminishes operational and compliance risk.



Core Functionality

Axway Integrator manages simple and complex integration processes, and helps IT organizations to design, execute, and monitor integration processes that include transformation of content, protocol mediation and the ability to support files of any size, messages and APIs. It can rapidly adapt to any file type in any format, new data being incorporated from inside and outside the organization, and industry- and company-specific regulations and requirements. Using Axway Integrator, real-time, scalable core processing services for quick data integration can be designed and implemented as complex processes regardless of the data source.

Message Services

Axway Integrator supports the following typical message handling services:

- Integration with back-end applications regardless of type or origin
- Direct connectivity using standard protocols (FTP, HTTP, etc.)
- Classification, including the determination and details of the data being processed, using standards such as XML, X12 or any custom parameters. This guides the action that needs to be applied. Message processing, including:
 - Syntax and semantics control
 - Enrichment, including database and Web services calls
 - Applying any-to-any transformation
 - Splitting the received data into multiple sub-messages
 - Creating the acknowledgements for successful or failed operations
 - Enveloping or grouping messages retrieved from multiple sources
 - Routing messages to the appropriate destination
- Message handling that extends beyond core operations:
 - Security operation for signing, verification or encryption
 - Request for additional information about the data or partner
 - Reject message and send back to a different application for re-processing
 - Perform custom processing using your own Java and/or C development
 - Generate notifications for monitoring purposes

Integration Design

Because an interaction can involve more than just sending data, Integrator includes a design and development environment for writing code, scripts and programs, and designing maps, processes, and workflow schematics.

To build complex interactions and integrations, you can:

- Define the integration process and execution steps between partners, applications or systems. Messaging services may be applied at any step, and tasked to perform additional processing of the exchanged data.
- Using Axway ProcessManager, facilitate the orchestration process for proper execution of automated and human interactions with these activities over time.

System Specifications

Operating systems and environments

Java 7
 Red Hat Enterprise Linux 5
 Red Hat Enterprise Linux 6
 SUSE Linux Enterprise Server 10
 SUSE Linux Enterprise Server 11
 Microsoft Windows Server 2008
 Microsoft Windows Server 2008 R2
 Sun Solaris 10
 Sun Solaris 11
 IBM AIX 5L 6.1
 IBM AIX 5L 7.1
 HP-UX 11iV2 (11.23)
 HP-UX 11iV3 (11.31)

Databases

Axway Database 4.4, 4.6
 IBM DB2 9.7
 Microsoft SQL Server 2008 R2,
 2008 SP2
 Oracle 10.2, 11.2
 Oracle MySQL 5.1, 5.5, 5.6

Formats and protocols

IDOC
 Odette
 EANCOM
 RosettaNet
 EDIFACT
 X12
 TRADACOMS
 CargoIMP
 CargoXML
 SWIFT
 ISO20022
 SEPA
 Target2

Map Development

Integrator's map development function performs data transformation, payload parsing for visibility, content-based routing, data validation and data enrichment, and can be expressed in various languages, enabling an organization to maintain current assets (Axway Data Modeling Language, Axway DataMapper, TFL, TF-XSL). Maps also transform, validate or route data received by Integrator. Design features include:

- Map development environment for distributed work teams
- Creation and editing of business document formats
- Map simulation on development environment with Mapping Services

Custom formats, protocols and integration processes

Integrator enables you to manage, design, execute and monitor complex integration processes that include:

- Transformation of data through a sequence of maps, custom stages, and pre-built stage such as detectors, splitters, and envelopers, with native support for many formats, including COBOL, XML, in-house, etc.
- Protocol mediation with back-end systems using PeSIT, JMS, JDBC, HTTP, etc.
- Files of any size, any message type, and APIs

Vertical solutions

Axway Integrator can provide transformation capabilities for:

- **Axway Financial Exchange (FEX):** Control and format mapping of financial data
- **Axway Accounting Integration Suite:** Extract, enrich, or normalize input data

Integration with other Axway Products

In concert with other Axway products, Axway Integrator can provide end-to-end management and oversight of complex and intricate data flows and workflows.

- **Axway SecureTransport** provides multi-protocol secured file transfer and routing, and Axway SecureTransport Edge enables files to be deployed in the DMZ to provide secure DMZ services to the SecureTransport environment.
- **Axway API Gateway** enables you to add and utilize Web Service integration features.
- **Axway InterPlay** provides manual file-modification capabilities.
- **Axway Process Manager** helps manage external services, human interactions and long-running processes.
- **Axway Sentinel** monitors both Axway and third-party applications and systems, giving your enterprise clear visibility into all data flows throughout your extended value chain.

Axway Integrator also integrates with a host of other Axway products and solutions, including Application Studio, Central Governance Access Management and the entire Axway 5 Suite.