

# Software AG

## Integration Connectors

**Connect more, connect faster, and connect better**

## What are connectors?

Connectors are out-of-box components offered by most major integration platforms that allow you to easily connect integrations to apps and data sources. Connectors can be used to:

- Send to or receive data from packaged applications or databases
- Send to or receive data from SaaS apps via APIs; some connectors can deliver data in bulk or streaming formats
- Send to or receive data from partners using B2B standards like SWIFT
- Send to or receive data from IoT devices
- Send to or receive data and files from a vast range of technology sources using standard protocols and data formats like HTTP, FTP, JMS, etc.

## Why are connectors important?

Connectors play a key role in functional and strategic areas of the business. Businesses need to connect their applications to complete processes like order-to-cash—which often cross several different systems—in an automated way. They need to connect to their systems of record to get access to data for analyzing the state of the business. They need to connect to their partners to have access to additional business opportunities and get others to do the things they're not experts at. And of course, they need to connect to customers to deliver products and services—preferably in a digital medium that enables customization, targeting, and better understanding of customer behavior.

Consider also how often organizations have to change how they interact with customers and how they produce goods and services to stay relevant within their marketplaces. In order to stay competitive, they must be agile—able to go to market faster and adapt to requirements and to their competition. For example, a new lead from a Marketo marketing campaign might be automatically propagated to Salesforce for follow-up by the sales team. This interaction is time-sensitive. This is only possible if the two systems are efficiently integrated so that they can “talk” to each other and exchange data without barriers.

## What is the role of connectors in integration?

Integration refers to connecting applications so that data from one system can be accessed by the other one. But integration involves a third party—in software terms, middleware—that translates the data and makes it understandable by the receiving system. And integration platforms can do much more than data mapping; they can add sophisticated logic and orchestration to control how applications interact.

However, integration can't operate without being able to connect to applications and data sources. And the code needed to create reliable connections can be complex and timeconsuming to maintain.

This is why most integration platforms offer connectors. They bring the entire business ecosystem together. Together with integration, they solve complex workflows and automate critical processes.

## What kinds of connectors do businesses need?

### Cloud and big data connectors

The number of applications in the cloud has exploded. And as businesses move to the cloud, customer, sales, and product data becomes splintered across cloud and on-premises systems. Massive quantities of that data is siphoned off to big data warehouses. That can make it difficult to get a single view of your product inventory, your customers, and your sales status.

### IoT device connectors

It's not just the cloud where new data sources are emerging: with IoT (internet of things), you can receive and send data from "things" such as windmills, industrial machinery, and many other devices.

### Application, content management and mainframe connectors

At the same time, traditional on-premises packaged and custom applications like SAP are still the systems of record for core business data such as financial records, and those connectors are some of the most complex to create. Even mainframes are still crucial in many industries.

### B2B connectors

When working with partners, many protocols and standards must be strictly adhered to. Standards like SWIFT, for example, ensure the exchange of financial information is reliable and secure.

## Features

Connecting to a system is only one aspect of ensuring that your business processes, analytics, and customer-facing products are stable and maintainable.

### Codeless connectivity

webMethods connectors make it easy to build advanced queries and updates using logic language. Connector services automatically introspect available fields and types in an application or database. These services can then be included in the logical flow of a service for low-code data mapping.

### Connection management

With both on-premises and cloud applications, you may have a limited number of connections. When you reach that limit, you may be unable to connect, effectively shutting down any related workflow. The webMethods connector platform provides connection pooling as well as visibility into connection and session usage.

### Security

Security is a key requirement when transmitting both business data and customer data. webMethods has support for a broad spectrum of security protocols, policies, signatures, and encryption with its connectors so that you can protect your services and data.

### Usage tracking

Many SaaS applications charge using consumption-based metrics, and as developers consume resources via APIs, hidden charges can build up. When using cloud connectors, it's important to track usage to ensure you don't exceed your SLAs. With webMethods, you'll have visibility into consumption statistics and the ability to limit your usage to control costs.

**Data compression**

Cloud infrastructure providers often charge for transferring data. Compressing and caching service requests to minimize the amount of data in the service can help business save money and reduce risk of unexpected charges. With webMethods, you'll be able to minimize the cost of data in the cloud.

**Cross-version compatibility**

As SaaS applications, on-premises applications, devices, and other systems change, packaged connectors can stop working. webMethods connectors are maintained across versions so you can upgrade your applications without risk.

**Connectors by category****Applications**

- Apache Tomcat
- CommerceOne MarketSite
- JD Edwards WorldSoftware Adapter / PeopleSoft World
- Lotus Notes
- Microsoft .NET Package
- Oracle E-Business Suite
- PeopleSoft Enterprise
- PeopleSoft EnterpriseOne
- Remedy
- SAP Ariba Supplier
- SAP ERP
- SAP XI/PI/PO
- Siebel
- Sopera
- WebLogic
- WebSphere Application Server

**Big Data**

- Apache Cassandra
- Apache Hadoop HDFS

- Apache Hbase
- Apache Hive
- Apache Kafka
- Apache Solr Search
- Apache Spark
- Cloudera Data Platform
- Cloudera Impala
- Databricks
- MongoDB
- MongoDB Atlas
- SAP HANA
- Terracotta
- Terracotta DB

**Content Management**

- Alfresco
- CMIS (Content Management Interoperability Services)
- Documentum
- FileNet
- Microsoft SharePoint

**Database**

- ActiveSpaces
- Acucobol
- Adabas
- Adabas D
- Advanced Pick
- ALLBASE
- Alpha Five
- BizTalk
- Btrieve
- Cache, DSM, ISM
- C-ISAM
- Clipper
- CorVision
- D3
- Datacom
- Dataflex
- Db2
- Db40
- dBase

- DBMS
- Desktop Adapter
- D-ISAM
- DMS
- Enscribe
- Enterprise Adapter
- ESDS - VSAM
- Excel
- FileMaker
- Firebird
- Flat Files
- Focus
- FoxPro
- GA-Power 95
- GA-R91
- Gemstone
- GENESIS
- Gigabase
- H2
- IDMS
- IDS
- Image
- IMS
- IMS DL/1
- Informix
- Ingres
- In-Memory OLTP
- InterBase
- Intersystems Cache
- Jasmine
- jBase
- JMS
- K-ISM
- Knowledgeman
- KSDS - VSAM
- Lotus Approach
- Manman
- Max DB
- Mentor /pro
- Micro Focus
- Microsoft Access
- MO
- Model 204
- Mumps
- MyBase
- Netezza
- NonStop SQL
- ObjectStore
- Oracle Codasyl DBMS
- Paradox
- Pathway
- PDS - VSAM
- PervasiveSQL
- Pick
- Pick64+
- PI-Open
- Powerflex
- Powerhouse
- Progress
- PureData
- QSAM
- QueryObject
- R83
- rBase
- Rdb
- REALITY
- Reality/X
- Red Brick
- RMS
- RRDS - VSAM
- Sequoia
- Sharebase
- SQL Anywhere
- SQLite
- Supra
- Sybase
- Teradata
- Times Ten

- Total
  - UDB
  - Ultimate
  - UltPlus
  - UniData
  - UniVerse
  - VSAM
  - VSAM-MVS
  - VSAM-VSE
  - Adabas
  - CA Datacom/DB
  - Db2 for AS/400
  - Db2 on z/OS
  - Db2 UDB
  - EDB Postgres Advanced Server
  - Informix Dynamic Server
  - Maria DB
  - Microsoft SQL Azure
  - Microsoft SQL Server
  - MySQL Community Edition
  - OpenEdge
  - Oracle Autonomous Cloud DB
  - Oracle Database
  - Oracle RDB
  - PostgreSQL
  - Sybase Adaptive Server Enterprise
  - Teradata Vantage
  - Tiberio
  - Vertica
  - Tamino
- IoT**
- Amazon Alexa
  - AMQP
  - Cisco Meraki
  - Cumulocity
  - Cumulocity IoT OEE
  - Dweet
  - Fitbit
  - FlytBase
  - Gimbal
  - Google Places
  - IBM Watson
  - Initial State
  - Keen.io
  - LIFX
  - MQTT
  - Nest
  - OPC UA
  - Philips Hue
  - Plotly
  - Tesla
- Mainframe**
- Batch
  - CA IDMS
  - CICS® ECI
  - COBOL
  - IBM® System I (AS/400)
  - IBM® VSE
  - IBM® z/OS®
  - Natural
  - OpenVMS
  - PL1
  - QSAM
  - TN3270
  - TN5250
  - VSAM
  - webMethods ApplinX
  - webMethods EntireX
- B2B**
- 1SYNC
  - ACH
  - AS4
  - AS4 - ENTSOG
  - AS4 - eDelivery
  - Chem eStandards
  - ebXML
  - EDI – ANSI X12

- EDI – EANCOM
- EDI – ODETTE
- EDI – TRADACOMS
- EDI – UCS
- EDI – UN/EDIFACT
- EDI – VDA
- EDI – VICS
- EDIINT – AS1
- EDIINT – AS2
- EDIINT – AS3
- FIX
- HIPAA
- HL7
- HL7 FHIR
- ISO 8583
- Managed File Transfer
- papiNet
- PEPPOL
- RosettaNet
- SWIFT
- Technology**
- Apache ActiveMQ
- API Specs
- Archive
- Clock
- Data Store
- Developer Tools
- DevOps Tools
- Enterprise JavaBeans
- File
- FTP
- FTPS
- GraphQL
- gRPC
- IBM WebSphere MQ
- IMAP
- Java Message Service (JMS)
- JBoss Messaging
- JDBC
- JSON
- JSON Tools
- LDAP
- Logger
- Microsoft MQ
- MTOM
- OData
- ODBC
- OFTP
- OpenAPI
- Oracle Streams Advanced Queuing(AQ)
- OracleStreams Advanced Queuing
- POP3
- RabbitMQ
- REST
- RMI
- SCP
- Servlet
- SFTP
- SMB
- RabbitMQ
- SMTP
- SOAP
- SOCKS
- Solace PubSub+
- SonicMQ
- Swagger
- TLS/SSL
- Tuxedo
- UDP
- Universal Messaging
- WebDav
- WebSocket
- X.400
- Cloud**
- Get Satisfaction
- ABBYY Cloud OCR
- Abstract API Email Validation
- Abstract API Phone Validation

- Abstract Holidays
- Abstract IP Geolocation
- ActiveCampaign
- Acuity Scheduling
- AddThis
- Adobe Experience Platform
- Adobe Sign/E-Sign
- Aha!
- Akamai
- Alfabet
- Alibaba Object Storage Service (OSS)
- Amazon Aurora DB
- Amazon Data Pipeline
- Amazon DynamoDB
- Amazon Elastic Block Store (EBS)
- Amazon Elastic Compute Cloud (EC2)
- Amazon Glue
- Amazon Kinesis
- Amazon Lambda
- Amazon Polly
- Amazon RedShift
- Amazon RedShift Data
- Amazon Relational Database Service (RDS)
- Amazon Simple Storage Service(S3)
- Amazon Simple Email Service (SES)
- Amazon Simple Notification Service(SNS)
- Amazon Simple Queue Service (SQS)
- Amazon Web services
- Anaplan
- API2PDF
- ARIS
- ARIS Process Mining
- Asana
- Atlassian Jira
- Avalara AvaTax
- Basecamp
- Beanstalk
- Bitbns
- Bitbucket
- Bitly
- Bonusly
- Box
- Buffer
- Campaign Monitor
- Captricity
- Chargebee
- Chargify
- Cisco WebEx
- Cisco Webex Teams
- Cisco Webex Teams Bot
- Confluence Cloud
- Contentstack
- Copper
- Coupa
- COVID-19
- Data Police UK
- Dialogflow
- Docusign
- Docuware
- Drip
- Dropbox
- Dropbox Business
- Dropbox Paper
- Egnyte
- Esendex
- Eventbrite
- EventMobi
- Evernote
- Excel Online
- Facebook
- Financial Force
- Firebase
- Force.com
- Formstack
- FreeBusy
- Freshdesk

- Freshsales
- FreshService
- FullContact
- Gainsight
- GIPHY
- GitHub
- Gitlab
- Gmail
- Google AI Platform Training
- Google Analytics
- Google Analytics Reporting
- Google Apps Admin
- Google BigQuery
- Google Billing Budget
- Google Calendar
- Google Cloud PubSub
- Google Cloud Storage
- Google Contacts
- Google Drive
- Google Forms
- Google Maps
- Google Prediction
- Google Sheets
- Google Tasks
- Google Translator
- GoTo Meeting
- GoTo Webinar
- HelloSign
- HelpScout
- Heroku
- Hubb
- HubSpot
- IBM Watson Tone Analyzer
- Igloo
- Interakt
- Intercom
- Jive
- JotForm
- Kakao Daum Search
- Landslide
- LinkedIn
- Lob
- Loggly
- Loqate
- Magento eCommerce Platform
- Magento eCommerce Platform Bulk
- MailChimp
- Mailgun
- Marketo Engage
- Melissa Data Search
- Melissa Data Verifier
- Mention
- MessageBird
- MetaMeetings
- Microsoft Azure Cosmos DB
- Microsoft Azure DevOps
- Microsoft Azure Service Bus
- Microsoft Azure Storage
- Microsoft Dynamics 365 Business Central
- Microsoft Dynamics 365 CRM
- Microsoft Dynamics CRM
- Microsoft Teams
- Microsoft To Do
- Microsoft® Azure Data Lake Store Gen 2
- Miro
- Mixpanel
- Moxtra
- MySQL
- NewRelic
- Nexmo SMS
- Nexmo Voice
- Nimble
- OData APIs such as Acumatica, SharePoint, Microsoft Dynamics NAV, SAP NetWeaver Gateway, Windows Azure Table Storage
- Office 365
- Okta
- OneDrive



- OneDrive for Business
- OneNote
- Optimizely
- Oracle BI Publisher
- Oracle Customer Relationship Management Cloud
- Oracle Finance & Supply Chain Management Cloud SOAP
- Oracle Human Capital Management Cloud
- Oracle NetSuite™
- OrangeHRM
- Outreach
- PagerDuty
- Pastebin
- PayPal
- Pingdom
- Pinterest
- Pipedrive
- Pivotal Tracker
- Pretty Good Privacy
- PubNub
- Pushbullet
- Pusher
- QuickBase
- Quickbooks Online
- Quip
- Raw Engineering Backend
- Quip
- Recurly
- Redbooth
- RemedyForce
- Remove.bg
- Revel
- RingCentral
- Robin
- RSS Feeds
- Runscope
- Salesforce Bulk v1
- Salesforce Bulk v2
- Salesforce Chatter
- Salesforce CRM - REST
- Salesforce CRM - SOAP
- Salesforce Lightning Connect
- Raw Engineering Backend
- Pivotal Tracker
- Pretty Good Privacy
- PubNub
- Pushbullet
- Pusher
- QuickBase
- Quickbooks Online
- Quip
- Salesforce Marketing Cloud
- Salesforce Streaming
- Salesforce Wave
- Salesforce.com
- SalesforceIQ
- SAP SuccessFactors OData v2.0
- Sendgrid
- Servicemax
- ServiceNow Enterprise Service Management
- Sharepoint Online
- ShareThis
- Shopify
- ShowGizmo
- Sitecore Content Hub
- Sitecore Experience Platform
- Siteleaf
- Slack
- Smartsheet
- SMS API
- Snowflake
- SoftVu
- SparkPost
- StatusPage
- Strikelron Contact Verification
- Stripe

- SugarCRM
- SurveyMonkey
- Swoogo
- Syniverse
- Tick
- TinyURL
- Toggl
- Toodledo
- Trello
- Triggerapp
- Tropo
- Twilio
- Twitter
- Typeform
- Uber
- UserVoice
- USgeocoder
- Veeva CRM
- VoApps
- Weather Underground
- Webflow
- webMethods AgileApps
- webMethods Cloud Container
- webMethods.io API
- webMethods.io B2B
- Wordpress
- Workday
- WorkSpan
- Wrike
- Wufoo
- YouTube
- Zendesk
- Zilkr
- Zoho CRM
- Zoho Mail
- Zoho Projects
- Zoho Reports
- ZSuite
- Zuora
- Zuora REST



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