



The Babelway guide

A run through of Babelway's functionality



Babelway: leading B2B EDI software for all businesses

Content

The EDI problem Babelway was formed to address	3
Functionalities overview	5
Technical overview	16
Quality and security management	20
User support	23

The EDI problem Babelway was formed to address

The two traditional methods of automating data exchanges between business partners are either:

- ✓ to acquire B2B translation software, or
- ✓ to join a B2B integration environment.

The first method is the most common. Companies buy (or custom build) and install a B2B communication system within a company's internal IT environment and organise point-to-point communication with other companies via private networks (X400 network or, so-called value-added networks).

This way of doing B2B Integration enables a great deal of flexibility. Participants control the individual B2B relationships and their technical components.

But this method requires a significant investment in money, time and skills.

In the second method, B2B integration environments, point-to-point communication is replaced by a central environment which means that one communication to the central environment is sufficient to reach all other partners.

The B2B integration environment enables rapid communication with a community of trading partners. The value proposition of the B2B integration environment is to create a single technical link between an individual company and the environment. B2B data flows will then be technically organised by the environment.

This method means outsourcing to a third party. It leads to a **loss of control and sometimes a loss of speed** when the time comes to connect to a new business partner.



600+
customers



556 million messages
exchanged annually



Average NPS score of
75



99.99% service
availability



100,000 channels
built

What's different about Babelway?

Babelway's solution bridges both traditional methods.

We enable customers to connect directly to their partners, avoiding the need for B2B intermediaries.

Customers therefore have complete control over their data flows.

In addition, Babelway does not require the acquisition of in-house software and infrastructure.

Customers can avoid the investment and the operational costs of running a B2B infrastructure and benefit from automated data exchange at much lower costs. The community of Babelway users can share common components of data flows (e.g. the invoice format of Carrefour Belgium) through a catalogue of components which leads to a decrease in the time it takes to build new channel as the community increases.

Babelway offers absolute flexibility to companies of all sizes and at any level of data exchange volumes. They can decide to control data flows or outsource some of it to external IT partners.

They can quickly deploy to business partners or stage an on-boarding project based on general business priorities.

The rest of this document describes Babelway's innovative functionality.

If you have any questions, please get in touch on the website.

Finally, there's nothing like trying it out for real.

Babelway offers a free 30-day trial, no credit card required. Please go to the website to sign up.



Functionalities overview

Babelway Platform is a multi-tenant integration software as-a-service (SaaS). It enables to quickly and cost-effectively automate B2B flows such as EDI messages and electronic invoices across all customers, suppliers, and partners. Leveraging the SaaS model, Babelway helps to streamline the deployment, maintenance, and monitoring of B2B exchanges giving greater confidence and control over business processes. Because Babelway is a cloud-powered integration platform, it offers quick and cost-effective integration to SaaS and on-premise applications. This means that clients can achieve significantly improved data management, more efficient processes, lower enterprise costs, and better resource allocation.

Babelway services are fully available on-demand via a web-browser. There is no software or hardware to buy and maintain in-house, but yet Babelway is still under the full control of its users.

Babelway is used all over the world



600+
customers



556 million messages
exchanged annually



26
countries



99.99% service
availability



Average NPS score of
75



100,000 channels
built



Certified in ISO27001
SOC1 and SOC2 since
2014



131 milliseconds
average load time

Building channels

A channel is the collection of components that must be assembled within Babelway in order to organize an automatic data flow from an external system A to another external system B. The key components are:

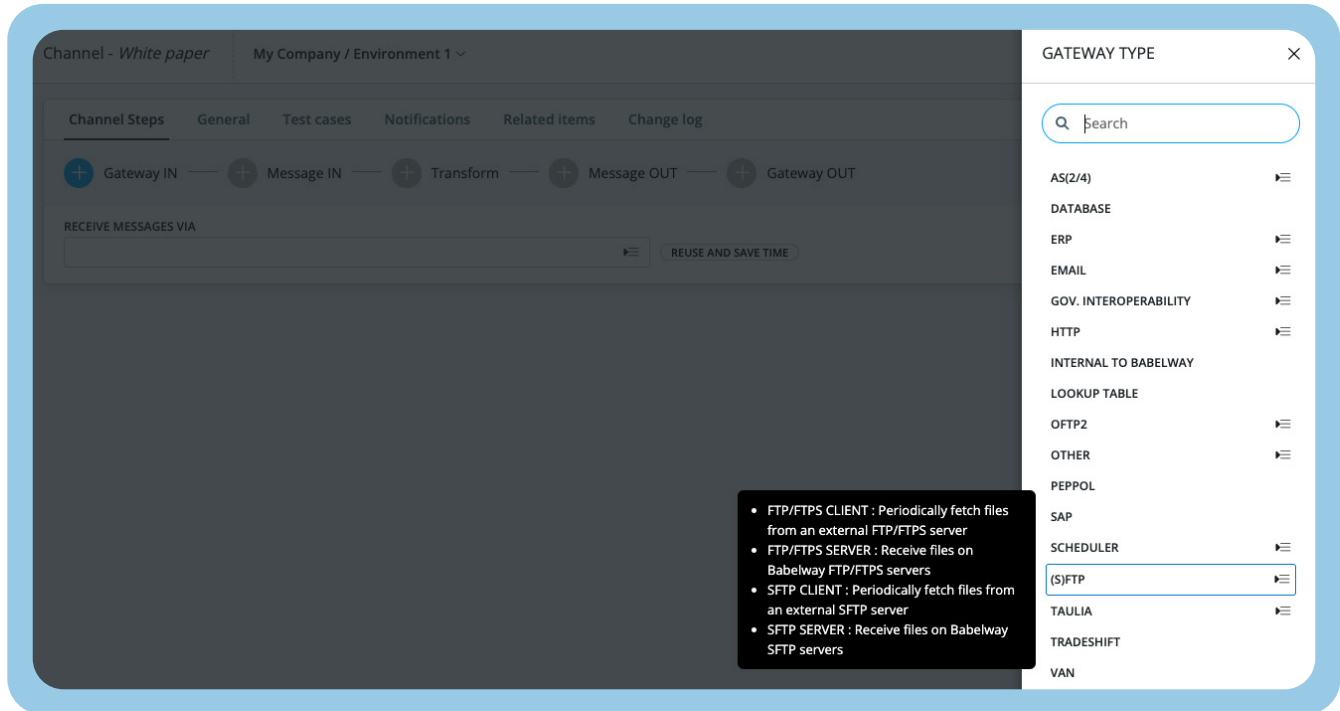
- ✓ (1) the way in which Babelway is interfaced with system A, called the “gateway IN”,
- ✓ (2) the way in which system A formats data, called the “message IN”
- ✓ (3) the format in which system B wants to receive data, called the “message OUT”
- ✓ (4) the way in which Babelway is interfaced with system B, called the “gateway OUT”
- ✓ (5) in between the message in and message out we provide an innovative drag and drop transformation step to map from one format to another

The screenshot displays the Babelway configuration interface for a channel named "PEPPOL Reception". The interface includes a breadcrumb trail "Channel - PEPPOL Reception" and "My Company / Environment 1". A search icon and a "BACK TO LIST" button are in the top right. Below the breadcrumb is a navigation bar with tabs: "Channel Steps", "General", "Test cases", "Notifications", "Related items", and "Change log". An "ACTIVE" toggle switch is on the right. The "Channel Steps" section shows a flow: Gateway IN (selected) -> Message IN -> Transform -> Message OUT -> Gateway OUT. Below this, a blue banner states "Receive messages via PEPPOL gateway: PEPPOL IN (BE:VAT:0861726224)". The "IDENTIFIERS VALUES*" section contains a search bar and two rows of input fields for VAT numbers (0208 and 9925) and their corresponding labels ("My Company"). Below this is a "REGISTERED DOCUMENTS*" section with two entries: "PEPPOL BISv3 - OpenPEPPOL - EN16931 - Invoice" and "PEPPOL BISv3 - OpenPEPPOL - EN16931 - CreditNote". A "MESSAGE LEVEL RESPONSE*" section has one entry: "Always send MLR and stop message processing with an error". At the bottom, there is a "PARTICIPANT SML STATUS" section with a link "Show PEPPOL participant status". "RESET" and "SAVE" buttons are at the bottom right.

Configuring communication gateways

Users select how Babelway will communicate with external systems A and B. The communication protocol used with system A can of course be different from the communication protocol used with system B. Users can choose from a range of communication protocols, including:

- ✓ **Rest API:** orchestrated client targeting an public Rest API, like Salesforce, Google Works, Xero or custom systems
- ✓ **Peppol:** the emerging standard for B2B and B2G exchanges in Europe and other places.
- ✓ **AS2:** this a communication standard largely used in retail to secure communication over the Internet.
- ✓ **Ftp client:** to set-up an FTP client accessing an external FTP server.
- ✓ **Ftp server:** to configure the FTP server receiving incoming messages or to place outgoing messages
- ✓ **Email:** to set-up a new Email address to receive incoming messages or to send outgoing messages
- ✓ **Web gateway:** to set-up a website access to upload incoming messages or to download outgoing messages.
- ✓ **SOAP gateway:** to set-up a SOAP gateway (SOAP client) to send outgoing messages to a SOAP server.



Once the communication technology has been selected, users then fill in the template with the technical parameters that will be used to establish the connection between Babelway and the external system.

If certificates are an element of the communication protocol (e.g. AS2 or FTPs), users will incorporate the external system certificate as a technical parameter. Users will provide the corresponding Babelway certificate to the external system. (See the relevant chapter for details of security and certificate management)



Note: each Babelway user has its own set of gateway addresses or locators. External systems are therefore connected to individual Babelway users, not to Babelway in general.

Defining a message definition

Users select the format amongst the following options:

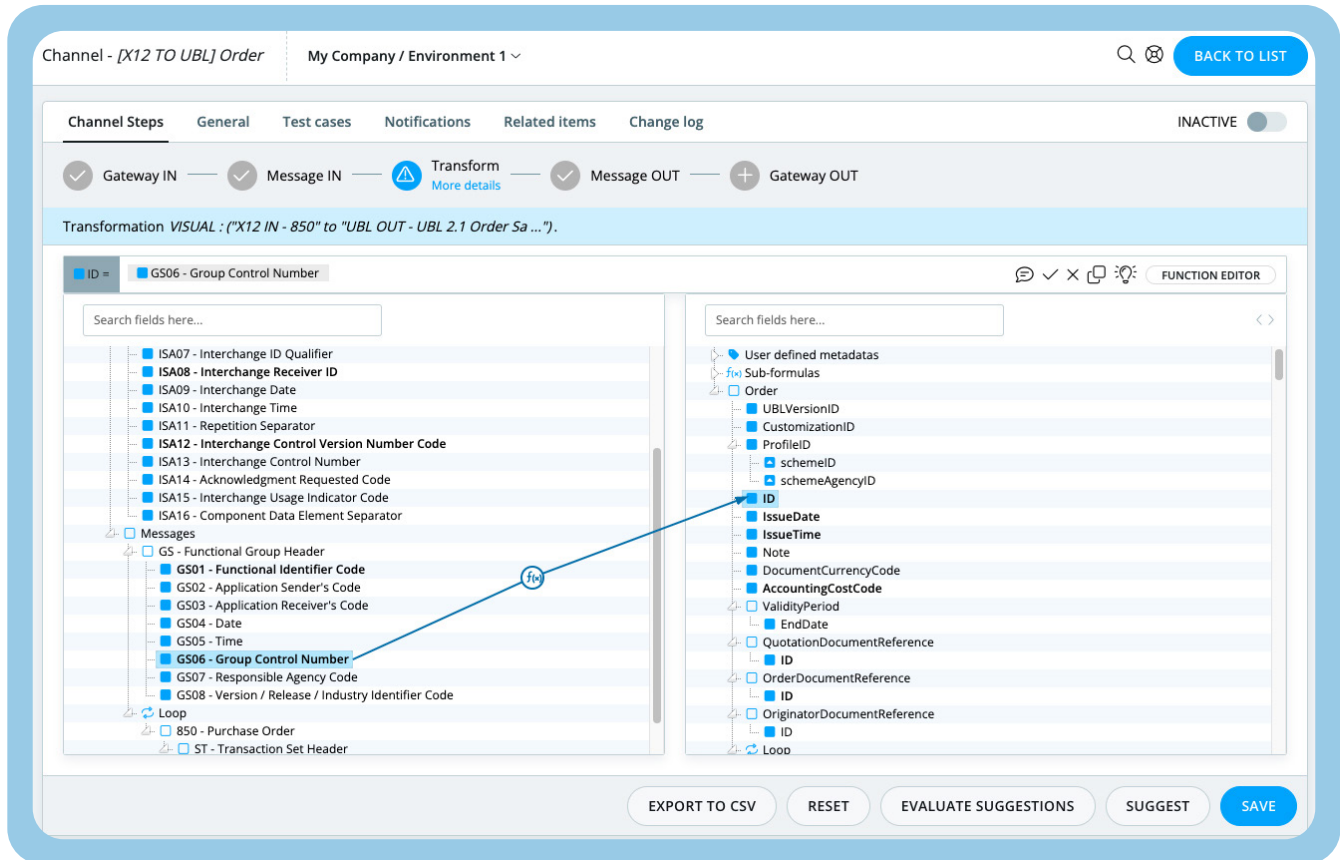
- ✓ **CSV:** to define a character-delimited flat file with constant record definition (data is in columns)
- ✓ **EDIFACT:** to define a new message in EDIFACT format
- ✓ **X12:** to define a new message in X12 format.
- ✓ **MS Excel:** to define a new message in MS Excel.
- ✓ XML, based on XSD or samples.
- ✓ UBL, Universal business language.
- ✓ Flat files, delimited of fixed length.
- ✓ IDoc xml or flat files.
- ✓ Many more...

The screenshot displays the Babelway web interface for configuring a channel. The top navigation bar shows 'Channel - White paper' and 'My Company / Environment 1'. Below this, there are tabs for 'Channel Steps', 'General', 'Test cases', 'Notifications', 'Related items', and 'Change log'. The 'Channel Steps' tab is active, showing a sequence of steps: Gateway IN, Message IN, Transform, Message OUT, and Gateway OUT. The 'Message IN' step is currently selected. Below the steps, there is a dropdown menu labeled 'YOUR MESSAGE IS OF TYPE' with a search bar and a 'REUSE AND SAVE TIME' button. On the right side, a panel titled 'YOUR MESSAGE IS OF TYPE' is open, showing a list of message formats: CSV, EDIFACT, EDIFACT (legacy), EXCEL, IDOC FLAT FILE, IDOC XML, JSON, LEGACY BC, MULTIRECORD FLAT FILE, NOT DEFINED, ODETTE, PDF, ROSETTANET, SERVINGXML, TRADACOM, UBL, X12, and X12 (legacy).

Users will then upload an example of a message in this format. The system will automatically provide an XML version, as well as a visual representation in a hierarchical tree structure.

Creating transformation

Creating transformation rules between the message IN and the message OUT.



Users can create the transformation rules using the drag & drop interface tool. Users can create correspondences between the message IN and the message OUT by dragging and dropping message fields from left to right.

For more complex transformation operations, users have a portfolio of standard operations they can call upon (concatenation, date formatting, etc.). More advanced users can also define new standard operations using the xpath syntax or xslt functions.

Parsing PDF

Babelway offers a unique advanced capability to extract information from machine generated PDF documents. This feature prevents costly manual processing by enabling EDI-like processing of semi-structured data.

The screenshot displays a PDF processing application interface. On the left, a PDF document is open, showing the Chronopost logo and invoice details. The invoice includes the company name 'Chronopost SAS', address '3 7 QUAI DU POINT DU JOUR, 92650 BOULOGNE BILLANCOURT CEDEX', and a table of monthly shipments for July 2022. The table has columns for Date, Objets (Nombre), Expéditions (Nombre), Poids, and Montant HT EURO. The total amount is 63,030 EUR. On the right, an 'Extracted fields' table lists various fields and their values, such as ID (11878905), IssueDate (2022-07-31), InvoiceTypeCode (Facture), and DocumentCurrencyCode (EUROS). At the bottom, there are buttons for 'LOAD AN EXISTING PDF TEMPLATE', 'EXIT TEMPLATE EDITOR', and 'SAVE TEMPLATE'.

FIELD NAME	FIELD VALUE
ID	11878905
IssueDate	2022-07-31
InvoiceTypeCode	Facture
Note	Click to map
Note_2	Click to map
Note_3	Click to map
Note_4	Click to map
TaxPointDate	Click to map
DocumentCurrencyCode	EUROS
AccountingCost	Click to map
OrderReference	Click to map
OrderDate	Click to map
BillingReference	Click to map
ContractReferenceID	Click to map
FileReferenceID	Click to map

Creating validation rules

Users can define validation rules to be applied on incoming and/or outgoing messages. For example, validation can make the presence of values in some fields mandatory or make them correspond to a pre-set of values. Validation is particularly useful to prevent that an external system received messages that it cannot process automatically.

Signing outgoing messages

Users can configure channels such that outgoing messages are signed using a dedicated advanced certificate and if the outgoing format enables such signature (must be PDF or ZIP format). (See the relevant chapter for details of security and certificate management).

Creating lookup tables

Users can define and load tables of values, called look-up tables, which are used during the transformation process to change an incoming value into a corresponding outgoing value.

An illustrative application of look-up tables is to enable a buyer and a supplier to use different product codes to identify similar products (e.g. GTIN codes versus internal codification).

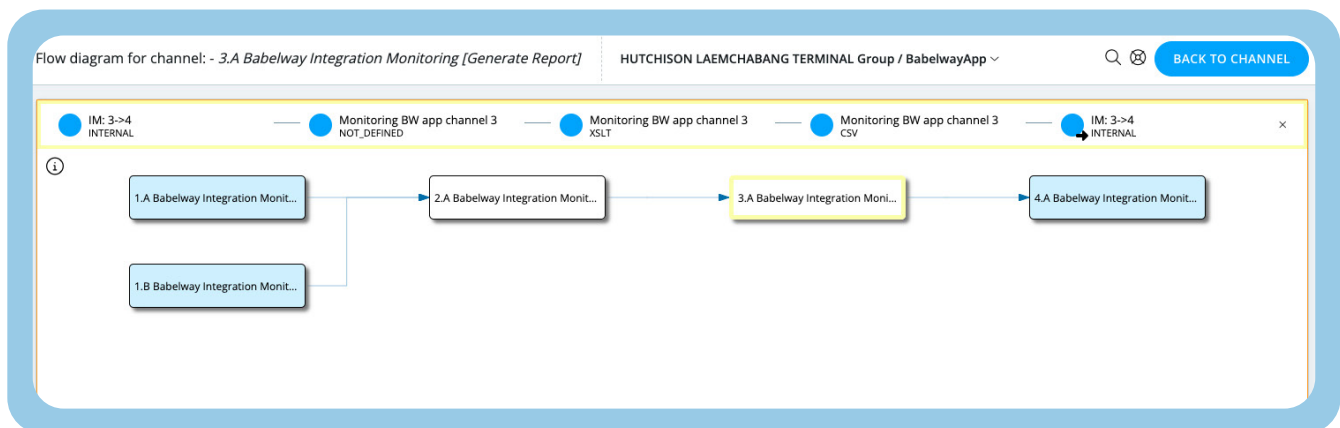
Building test cases

Users can build test cases of their channels. The test cases enable users to check the result of their work on message formats and transformation prior to deploying a channel into the production environment.

Managing routing across channels

Messages originating from a common source but going to various external systems must be routed. Users can define routing rules based on message content items or on message context.

An visualization tools allows to view the overall interactions between channels:



Managing notifications

For each individual channel, users can build automatic notifications that will send an email to a specified address upon the arrival of a new message. Notified users can be different if the message is successfully processed or an error is generated. Notification can also be sent to another channel for further processing.

Avoiding rework thanks to the catalogue and connectors

Gateway parameters, message formats, transformation and validation rules are created during the channel building process. Each of these items can be re-used in the building of a subsequent channel. This is organized via what we call the catalogue, the place where all new items are listed.

Users populate a new channel from the items available in their catalogue. This catalogue enriches itself progressively each time new channels are built. When users decide to source an item from the catalogue, they make a choice to use the same instance or to duplicate it. This choice is important when making changes to channels. If channels share the same instance of an item, a change in one channel will impact all other channels using the same item.

Activating and deploying components / channels

Users decide which channels and/or components are under construction and which must be activated upon deployment in the production environment of Babelway.

Tracking messages

Messages that flow through the user environment can be tracked and traced. Users have access to any message stored, in all its forms (before, during and after transformation) together with contextual information such as time of entry, time of exist, status, as well as relevant security-related information such as certificates and signatures.

The screenshot displays the Babelway interface for tracking messages. The top navigation bar includes 'Babelway', 'Lactalis / Lactalis', and user options like 'Search', 'Support', 'Alerts', and 'Admin'. Below the navigation, there are tabs for 'Monitor', 'Manage & Build', and 'Babelway'. The main content area is titled 'Messages' and features a search bar and a table of message logs.

DATE IN	GATEWAY IN	GATEWAY OUT	REFERENCE	STATUS
24 Mar 2023 11:16:29 CET	GWIN_INTERNALCHANNEL_APERAK_SUPE	X.400 to SuperUNIENEW	attachment	In delivery
24 Mar 2023 11:16:29 CET	GWIN_INTERNAL_ORDERS_SUPERUNIE	GWOUT_FTP_LACTALIS	ORDERS_SUPERUN	In delivery
24 Mar 2023 11:16:29 CET	X.400 Lactalis	GWOUT_REPLICATE_ORDERS_SUPERUNIE	attachment	Success
24 Mar 2023 11:14:11 CET	AS2 IN (CACTUS Prod)	GWOUT_FTP_LACTALIS	ORDERS_CACTUS_I	In delivery
24 Mar 2023 11:13:15 CET	AS2 IN (CACTUS Prod)	GWOUT_FTP_LACTALIS	ORDERS_CACTUS_I	In delivery
24 Mar 2023 11:11:57 CET	AS2 Match (Babelway)	GWOUT_FTP_LACTALIS	ORDERS_MATCH_L	In delivery
24 Mar 2023 11:11:34 CET	FTP_LACTALIS_MAJ_EDJ	GatewayOut of data import channel for TAB_DESADV_INFLOG	DESADVINF.txt	Success
24 Mar 2023 11:09:34 CET	GWIN_AS2_DELHAIZE	GWOUT_FTP_LACTALIS	ORDERS_DELHAIZE	In delivery
24 Mar 2023 11:05:08 CET	GWIN_FTP_LACTALIS	GWOUT_AS2_CARREFOUR	DESADV_CARREFO	Success
24 Mar 2023 10:59:12 CET	GWIN_AS2_CARREFOUR	GWOUT_FTP_LACTALIS	ORDERS_CARREFO	Success
24 Mar 2023 10:59:11 CET	GWIN_AS2_CARREFOUR	GWOUT_FTP_LACTALIS	ORDERS_CARREFO	Success
24 Mar 2023 10:58:12 CET	GWIN_AS2_CARREFOUR	GWOUT_FTP_LACTALIS	ORDERS_CARREFO	Success
24 Mar 2023 10:56:57 CET	GWIN_AS2_MATCH	GWOUT_FTP_LACTALIS	ORDERS_MATCH_L	Success
24 Mar 2023 10:56:57 CET	AS2 Match (Babelway)	GWOUT_FTP_LACTALIS	ORDERS_MATCH_L	Success
24 Mar 2023 10:56:56 CET	AS2 Match (Babelway)	GWOUT_FTP_LACTALIS	ORDERS_MATCH_L	Success
24 Mar 2023 10:55:08 CET	GWIN_FTP_LACTALIS_LUX	AS2 OUT (AS2Cactus PROD)	DESADV_CACTUS_I	Success
24 Mar 2023 10:54:47 CET	AS2 IN (CACTUS Prod)	GWOUT_FTP_LACTALIS	ORDERS_CACTUS_I	Success
24 Mar 2023 10:54:16 CET	GWIN_AS2_CARREFOUR	GWOUT_FTP_LACTALIS	ORDERS_CARREFO	Success
24 Mar 2023 10:53:47 CET	GWIN_AS2_CARREFOUR	GWOUT_FTP_LACTALIS	ORDERS_CARREFO	Success
24 Mar 2023 10:52:44 CET	GWIN_AS2_CARREFOUR	GWOUT_FTP_LACTALIS	ORDERS_CARREFO	Success

Showing 1 - 20 of 2,914 | Page 1 of 146

REMOVE TRADESHIPT TAGS | DOWNLOAD THESE AS ZIP FILE | CLOSE THESE ERRORS | RESUBMIT THESE

The screenshot displays the 'Message details' page for 'Ville de Luxembourg / Environment 1'. At the top, a progress bar shows the message flow: Gateway In (checked), Message IN (checked), Transform (checked), Message OUT (checked), and Gateway OUT (checked). Below this, the 'Overview' section provides key details: DATE IN (24 Mar 2023 11:18:04 CET), STATUS (Success), MESSAGE IN (Invoice.xml, 60.2 KB), MESSAGE OUT (Invoice.pdf, 16.5 KB), USER COMMENT (CHANGE COMMENT), CHANNEL ([PROD] PEPPOL_Bisy3 to PDF - Invoice), and TYPE (Regular). The 'Runtime info' section includes KEY (a56d7745-e286-415b-90cf-131cc1614445), REFERENCE (234800053), PROCESSING COMPLETE (24 Mar 2023 11:18:05 CET), DATE OUT (24 Mar 2023 11:18:06 CET), and KEEP UNTIL (24 Apr 2023 11:18:06 CEST). It also lists GATEWAY IN MESSAGE KEY, GATEWAY IN MESSAGE STATUS (PEPPOL Invoice received from 9938:lu20122900), GATEWAY OUT MESSAGE KEY, and GATEWAY OUT MESSAGE STATUS (Message in the gateway out queue since 24/03/2023 11:18:05). The 'Files' section shows STEP FILES (Message IN received, Message after transformation) and OTHER FILES (Context in, Context out). At the bottom right, there are buttons for 'SAVE AS TEST CASE', 'RESUBMIT', and 'SHOW FLOW'.

Problem resolution

Messages that are in error can be accessed directly for manual correction and resubmitted in a channel. In this case a new message is created, and the message status of the original message is changed to 'Error Closed'.

A function to massively resubmit messages is also available to the user.

Long term archiving

The messages stay accessible online to users during the whole retention period, as configured in the environment settings or overwritten in the channel configuration.

During this period, the entire information about the message is kept, including the inbound and outbound messages, all intermediate formats as well as the metadata and processing traces.



Managing alerts

Multiple events generate alerts. For example, an alert is created when a FTP polling to a remote server cannot be completed due to a connection timeout.

Alerts provide detailed information to users, as well as tools for resolution management.

Account management

The account management function includes the following services:

Users management

The administrator of an account can provide other users with access to one of its environments. Access rights are as follows:

- ✓ **Account ADMIN:** All right at the Account level. This data is dependent.
- ✓ **Environment FULL_ACCESS:** All right at the Environment level. This data is dependent.
- ✓ **Environment HUB_DEFINITION:** Generally speaking, allow to view and update existing information at the Environment level. Cannot manage users. This data is dependent.
- ✓ **Environment OPERATIONS:** Can manage users, view and operate exploitation data (messages, tickets, lookup tables) and modify the partners.
- ✓ **Environment MONITORING:** Can only view and operate exploitation data (messages, tickets, lookup tables).
- ✓ **Environment READ-ONLY MONITORING:** Can only view exploitation data (messages, tickets, lookup tables).
- ✓ **Environment PORTAL USER:** Can only view monitoring and partners' data for a specific list of partners. Can manage other portal users for specified partners.



Environments management

An account can be made up of any number of different environments. It can be useful to build channels in separate environments if:

- ✓ different people should have access rights; or
- ✓ message storage duration should be differentiated; or
- ✓ performance expectations are different
- ✓ security requirements demand it
- ✓ there is a need for a test environment

Performance management

From very small numbers to 50 millions of messages per month, Babelway is ensuring the timely processing capacity, without being dependent on the general consumption of capacity in other Babelway environments.

Storage management

As a default option, Babelway stores messages for a period of 3 months. Users can select the 'long-term archiving' option which provides storage for any period of time up to 12 years.

Other terms of storage (shorter or longer) may be accommodated individually.



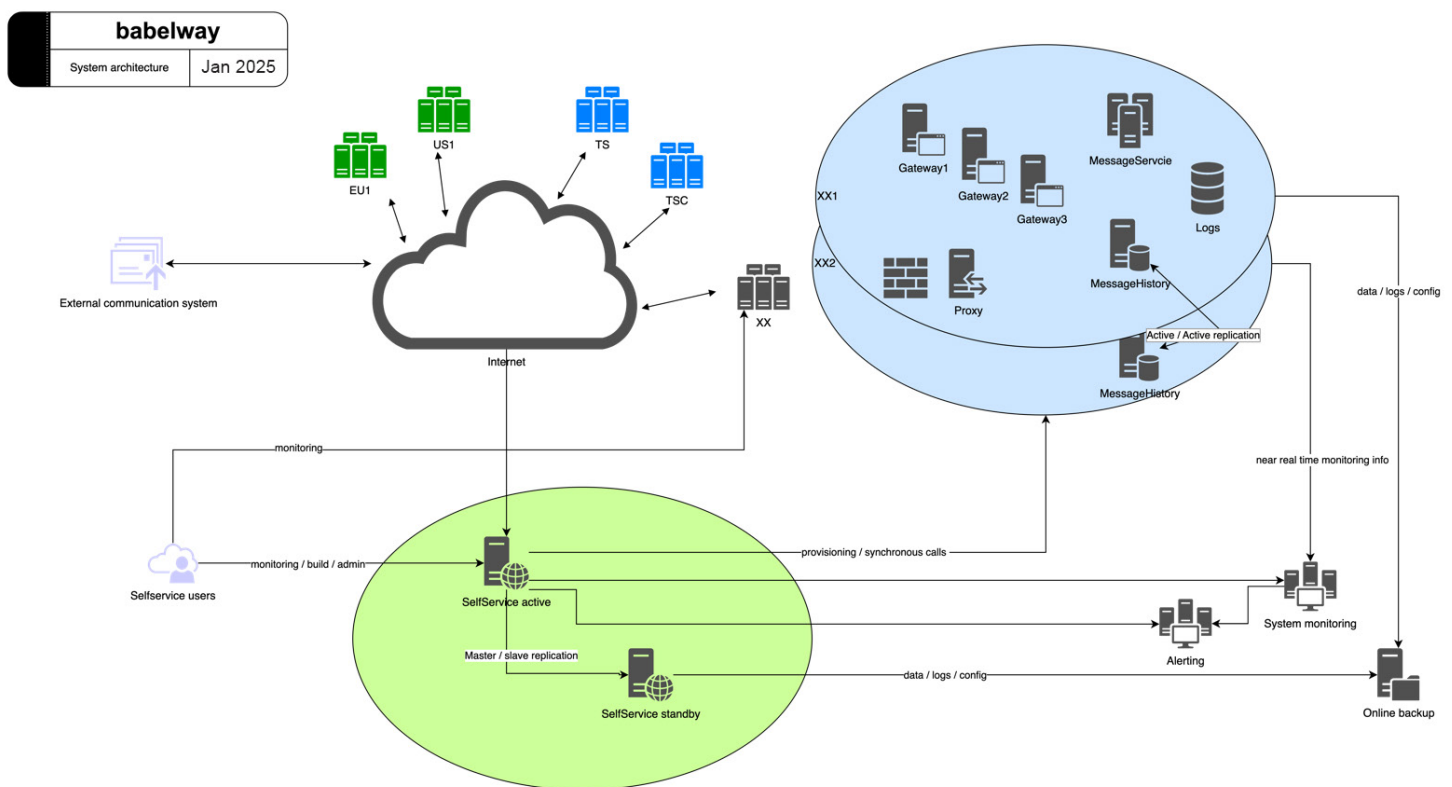
Technical overview

System architecture

Overview

The system, based of service oriented architecture, enables horizontal scalability and data segregation. The system is mainly divided into 2 parts:

- ✓ The selfservice application, a single instance
- ✓ The messaging engine components, multiple instances to support geography and privacy.



Selfservice

The selfservice is the central application of Babelway and represents the “Front-end part” or the “admin console” of the system. It is the only component which is not critical for the messages.

It has the following responsibilities:

- ✓ Building channels and components
- ✓ Deploying newly created or updated environment components to other runtime systems
- ✓ Management of environment
 - Creation of users and roles
 - Environment settings
 - Billing
- ✓ Monitoring of messages passing via the application

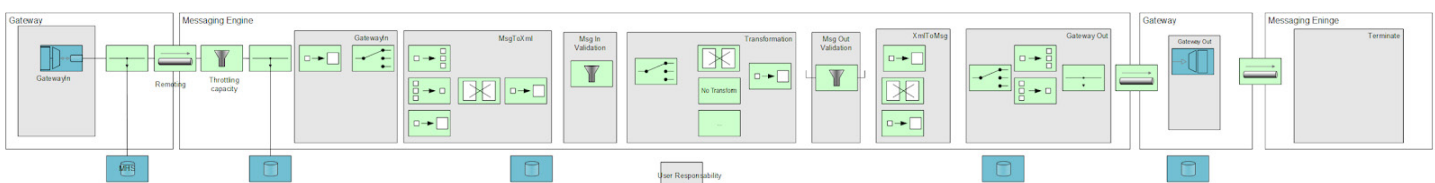
The role of the selfservice is human interaction. There are globally two kinds of interaction with the selfservice:

- ✓ Allowing users to define channels and more generally to build configurations
- ✓ Showing to users what happened in the messaging engine components. The most important, being which messages have been processed

Messaging engine

The messaging engine is the set of components responsible for the processing and storing of messages. The messaging engine transforms the incoming message (format defined by the message definition in) into an internal xml representation of the message and applies the business validation and transformation defined by the user in the selfservice. The resulting XML file is then transformed to the final format (defined by the message definition out).

Please see a simplified diagram of the processing:



System management

Infrastructure management

Babelway has a multi-vendor approach to infrastructure. It has agreements with 2 hosting providers:

- ✓ Amazon Web Service (AWS) servers are physically located in Europe, US and China.
- ✓ Combell, a recognized Belgian hosting company. Servers use the physical premises located in Belgium.

Our hosting providers have demonstrated to Babelway that they manage infrastructure according to our (SOC2, SOC1, ISO 27001 and GDPR) expectations levels.

To maximize availability and reliability, not only has Babelway contracted on strict terms with reliable partners, but it has also installed redundancy between at least 2 data centers. In the event of downtime of one of the 2 data centers, Babelway can switch all data traffic to the other data center.

Babelway has a multi-vendor approach to infrastructure. It has agreements with 2 hosting providers:

- ✓ Web interfaces (human access to user environments) has an active node, with a real-time passive backup. In case of unavailability of the Active infrastructure, messaging services can continue but human tracking or maintenance is not available, until the Passive node is activated.
- ✓ Gateways to external systems based on physical IP addressing would also be interrupted. We recommend that users use URL locators instead of IP addressing wherever possible.

Private cloud

The processing and archiving of messages are achieved by a separate component called the 'messaging engine'. The messaging engine is self-sufficient to process messages, even if temporarily disconnected from the web interface.

This approach technically allows customers of Babelway to host their messaging themselves while still using the unique Software-as-a-Service. This could be important to some customers if security considerations require them to control the messaging servers themselves or to have servers physically located in some specific geographic territory, for example.

Default geographic location

Babelway customers hosted on the shared infrastructure have the possibility to choose the geographic location of their messaging engine between an EU location, a US location, or a CN location.

Software management

Babelway software development uses, on the backend, Java as a programming language and XSLT for data manipulation. It uses JavaScript for the web front-end. The infrastructure runs on Linux and uses PostgreSQL as the main database engine.

These components have been integrated into an extensive development program which began in October 2006. Our technical developments are centrally managed in Belgium. We have developed a very precise expertise on highly specific topics such as scalability, database optimization, ergonomy, cryptography, processing performance, data standards...

Software development follows the Scrum framework for software and other platform development. Our sprint horizon is 2 weeks.



Quality and security management

Audits and quality management

SOC1 and SOC2 TYPE 2



Babelway issues a SOC2 Type 2 report since 2013 and a SOC1 Type 2 report since 2022. They are yearly audited by KPMG for Security, Availability, Processing Integrity, Confidentiality, and Privacy. This conformity is equivalent to the past SAS70 norm, which certifies the quality of the Security Procedures.

ISO 27001 Certification



Babelway is ISO27001 certified since 2017. Babelway's policy regarding security can be consulted online (<http://www.babelway.com/security-policy.php>) . The system ensures processes are in place to meet the policy's objectives.

SOC1, SOC2 full reports and ISO27001 certificates are available upon request at: support@babelway.com

Data security

To ensure the total data independence between environments, Babelway software strictly controls data access using isolation techniques.

The system is based on RBAC (role-based access control) principles. Each software layer (presentation, application, business and data) performs its own security enforcement.

An external penetration testing is organized every year. Human effort, bug bounty program and several internal tools are constantly looking for software and system vulnerabilities.



Data in transit policy

All internal communications between components or with external services like S3 containing customer data are encrypted with industry standard technology, currently TLSv1.2.

The setup of the security for the communication with external parties is under the responsibility of the user. By nature of the integration service the platform is providing, Babelway accepts support for the longest reasonable period older algorithms. The safeguards for this are:

- ✓ a close monitoring of the traffic to decommission weak and unused algorithms as soon as possible
- ✓ a clear decommissioning plan published to end users to decommission unacceptable protocols.

Data at rest policy

Several layers of encryption are used to protect data at rest:

- ✓ Server full disk encryption: all disks containing customer data are fully encrypted using an industry standard technology, currently AES-256.
- ✓ Hashed information in database: if possible, sensitive information is stored hashed in the database.
- ✓ Encrypted information in database: if not possible, sensitive information is stored encrypted in the database and decrypted on usage, using a password stored outside of the database itself. For instance for gateway credentials
- ✓ Archived data policy: Information stored for archiving, like backups, must be encrypted with industry standard technology, for instance GPG with a recent algorithm. Passwords and keys are rotated every year.



Audit trail and traceability

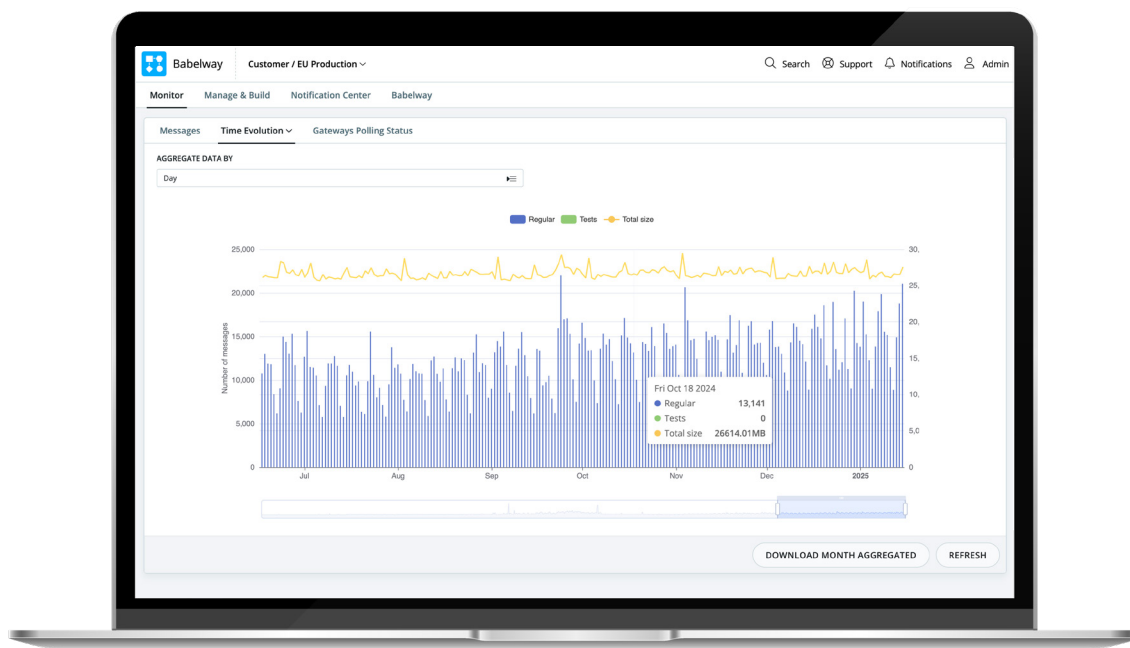
All accesses to environment and customer data are logged in an audit trail. The audit trail is using a separate business logic to insure independence of the regular business logic. It cannot be modified by Babelway support agents. The audit trail is proactively inspected on a weekly basis for critical operation and odd usage patterns.

Monitoring

Monitoring of systems and applications are performed using different mechanisms:

- ✓ An external monitoring tool is used to test the availability and the performance of the application from a customer point of view. This system also includes a 24/7 alerting mechanism to the mobile device of the operator in charge. An escalation process is also in place to ensure proper handling of issues.
- ✓ An internal monitoring tool is used to test the availability and performance of the different components of the system. The Operations Manual provided in annex describes the set of monitored items
- ✓ A positive & reactive monitoring to alert the Operation Manager when a situation requires some attention (for instance, a message entering the system and is not delivered in the SLA window)

All tools are collecting information, generating statistics and delivering alerts if needed. Issues and bugs encountered are logged and tracked for further reference and follow up.



User support

Helpdesk

The human monitoring function provides helpdesk support to users on working days. Any request or issue reported is acknowledged within 15 minutes. It is given a support alert number and a reply is provided within 1 hour at the latest.

The support agents are distributed among 3 different levels, each one having his own expertise field. Below is a non-exhaustive list of examples of issues, distributed according to the level structure:

Level 1.

This is where all support tickets begin. This level is able to provide:

- ✓ Assistance and help on system
- ✓ Messages follow-up (message not sent/received, message is in error)
- ✓ Basic troubleshooting like issue in mappingsy.

Level 2.

If an issue cannot be resolved in level 1, it will be escalated to level 2.

This level is able to solve issue like:

- ✓ Protocol incompatibility
- ✓ Problem linked to a bug in the application code

Training

Babelway has developed an online basic and advanced training program called the Babelway Academy. More specific training sessions can also be provided by Babelway senior staff as required.



Professional services

Customers can call upon Babelway professional services to support them with on-boarding partners, designing new channels, developing internal or external communication plans and generally execute projects in relation to the exploitation of the Babelway platform.

For each project, Babelway and the customer agree on a scope and a price based on man-day prices referenced in the price list. Account management and general interventions requiring human involvement are defined with each customer within the scope of Babelway professional services.

Network of partners

Babelway develops and entertains a network of partners with specific capabilities in geographic regions, industrial sectors or technical domains. These partners can also be called upon in some customer projects.



What have our clients said about Babelway's B2B integration software?



“Customer-oriented, solution-based, proactive, speed, and efficiency are the keywords of our collaboration. Babelway - To try it is to adopt it!”

Lionel B.,
System Administrator & Helpdesk



“It's so simple to start and create your first workflows. Customer service is great and helps when needed. Testing and deploying is really simple and easy to activate.”

Juan Pablo B.,
COO



“After we started with Babelway we had no reason to look at other suppliers in the market for EDI and B2B Integration — we were just too pleased.”

Kurt Brouns,
IT Manager



“The Support team is excellent and reacts very quickly to any questions or concerns we send their way.”

Katrien Delvaux,
Business Analyst & EDI Specialist





GetApp



4.6 / 5



G2



4.7 / 5



Capterra



4.6 / 5

Try the 30-day Babelway trial today

Book a demo

www.babelway.com