

Coupa Automation Suite

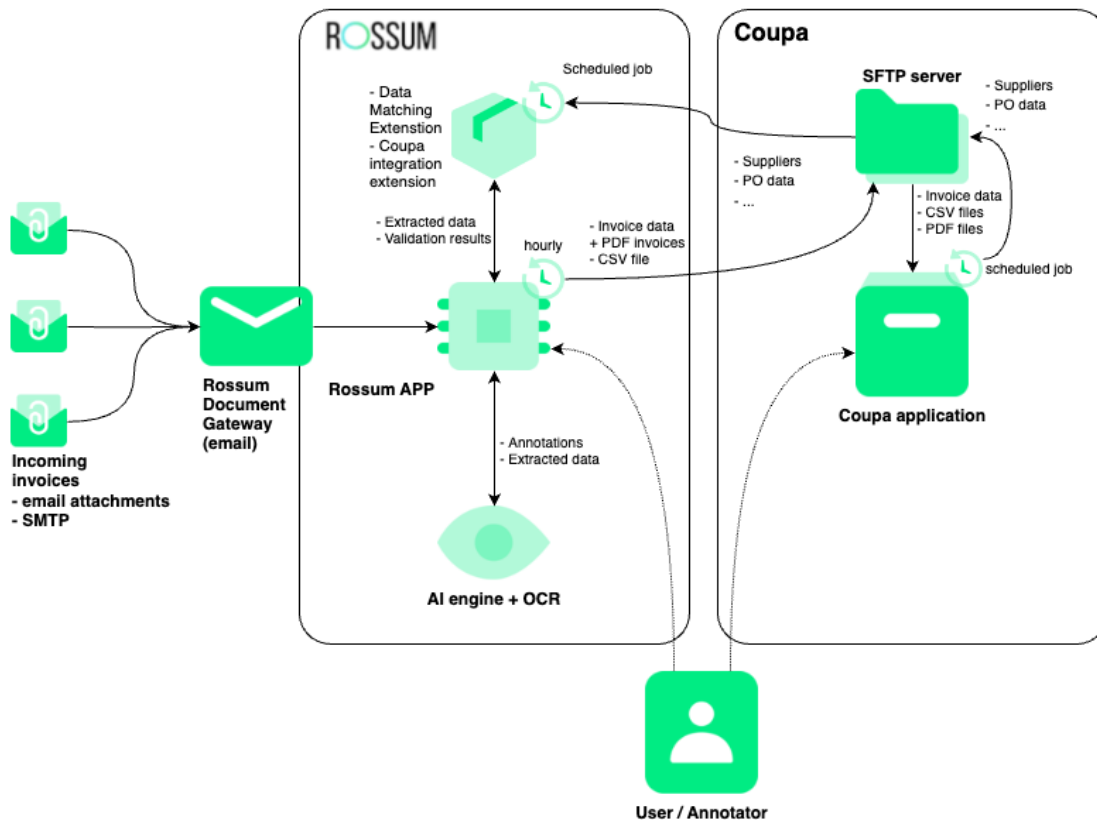
Coupa Automation Suite is Rossum’s pre-built integration supported by a managed service that ensures the flow of the invoice data extracted by Rossum into the Coupa system. This solution helps smooth out process delays, saving the manual work on the Accounts Payable (AP) team’s side and ensuring their invoices are correct and processed promptly with little to no human effort.

The solution consists of three components:

1. Master data replication from Coupa;
2. Custom business logic configuration on top of extracted data guarantees data is extracted, matched, or calculated correctly so Coupa can create the desired invoice object reliably;
3. Extracted invoice data export to Coupa.

Integration Flow

Coupa Automation Suite uses data exchange via SFTP for bi-directional communication with Coupa. Interactions between Rossum and Coupa result in successful document creation in Coupa, as seen in the diagram below.



The Export flow is as follows:

1. **Receive** - Rossum receives an email containing one or more documents.
2. **Extract** - Rossum's state-of-the-art AI extracts data from received invoices.
3. **Validate** - Extracted data is matched against replicated master data from Coupa, and other validation logic is applied to ensure data is correct.
 - o Human-in-the-loop - If the validation step reveals a mistake or the AI is not confident enough in a specific field, this is flagged for a human operator to resolve; otherwise, the automated validation is performed.
4. **Post-process** - Further business logic, such as value calculations and transformations, is applied to have data in a suitable format for custom Coupa requirements.
5. **Export** - Finalized data is exported to Coupa's SFTP.

The Import flow is as follows:

1. On a scheduled basis, Coupa stores master data needed for matching and other validations on the SFTP server.
2. This master data is imported into Rossum's database on a regular schedule.

Master data replication from Coupa

There are scheduled jobs that replicate master data from the Coupa system. Coupa is configured to export master data from selected sources to the SFTP server (part of the Coupa system). Coupa Automation Suite picks up the data for processing and stores it in an internal database for further use in the matching and data enrichment logic.

Business logic on top of extracted data

Custom business logic set in Rossum validates the extracted data and post-process it for the successful intake by Coupa. Rossum uses a combination of specific settings and other pre-built and custom extensions to meet customer requirements and country-specific rules for invoice processing. Automated validation of the extracted data against Coupa master data (such as a list of vendors or purchase orders) is implemented to support document processing automation. The extracted data is enriched with the information from the matched master data records to meet Coupa validation requirements. There are rules implemented to verify that all fields required for the particular document

flow are extracted and meet other criteria like format etc. Configured calculations ensure that values missing on the extracted document are computed to satisfy the requirements of the Coupa system.

Export of the extracted invoice data to Coupa

User action or automation moves documents to the "Confirmed" status. There is a scheduled job performed by Coupa Automation Suite that periodically processes confirmed documents. The extracted data is transformed to the Coupa required format (CSV file containing multiple invoices). The CSV and original documents are compressed into a ZIP file and uploaded to the Coupa SFTP server.

Coupa processes the ZIP files uploaded to the SFTP and creates objects based on the provided data. Depending on the data provided in the CSV, the invoices in Coupa are created in various statuses. The Coupa Integration Service supports a simple "draft" invoice export but also exports more mature invoices with PO lines matched, contract, or GL coded. The invoices are created in Coupa in various statuses depending on the results of Coupa validation logic ('pending_approval', 'pending_receipt'). Documents successfully exported to Coupa are moved to "Exported" status in Rossum for clear differentiation.
