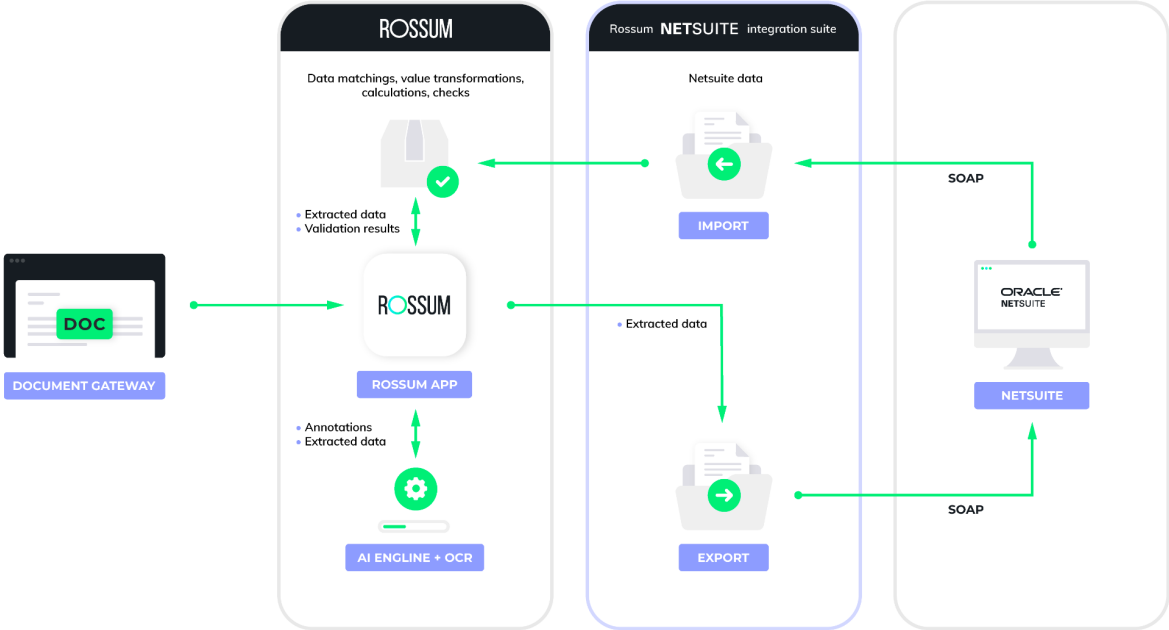# NetSuite Automation Suite

NetSuite Automation Suite is Rossum's managed service which ensures the flow of AP-related data extracted by Rossum into the NetSuite system. This solution helps smooth out process delays by saving the AP team manual work and ensuring documents are accurate and processed promptly.

NetSuite is a highly customizable ERP system, which is why an integration needs to be very flexible. For this reason the Suite is divided into three separate, highly configurable components. Each component performs different critical functions to achieve seamless integration.

Integration Flow

Interactions between Rossum and NetSuite result in a successful pull of data and object creation in NetSuite, as shown in the diagram below. NetSuite Automation Suite exchanges data via SOAP messages for bi-directional communication with NetSuite.

The general integration flow is as follows:
1. **Receive** - Rossum receives one or more documents through the document gateway.
2. **Extract** - Rossum's state-of-the-art AI extracts data from the received documents.
3. **Validate** - Validation logic is applied to ensure data is correct, such as matching the extracted data with replicated master data from NetSuite.

      a. **Human-in-the-loop** - A human operator may be needed to resolve any mistakes flagged in the validation step or if the AI is not confident on a certain field; otherwise, validation can be automated.
4. **Post-process** - Additional business logic (i.e., value calculations, transformations) is applied to ensure the data is in the right format for custom NetSuite requirements.
5. **Export** - Finalized data is exported to NetSuite via SOAP.

Import component

Most objects created in NetSuite require references to other NetSuite objects. For example, a vendor must already be registered in the system before one of their incoming invoices can be uploaded, thereby allowing the invoice to be matched to the correct vendor. Rossum pulls data from NetSuite regularly and imports it into safe, dedicated data storage for later use. This component is highly customizable, such as objects to be pulled from NetSuite, frequency of imports, and more.

Business logic and matching component

Each customer has their own AP process and, as such, the Rossum NetSuite integration suite and custom extensions can be tailored to fit their needs. Different fields have to be validated, populated, and exported to fit each customer's specific requirements. To achieve this, Rossum uses a data matching component to validate each field and the data is populated by an import component. This verifies correct data matches, such as Vendor and Subsidiary extracted from a document matches with existing Vendors and Subsidiaries in NetSuite. Other extensions (i.e., Calculations, Value Transformations, and more) are available in the Rossum Store to make this process even more efficient.

Export component

Once the document is validated and all reference data populated and confirmed (either automatically or by a user) the document is exported. A corresponding object is created in NetSuite and the response is shown to the user. Rossum's NetSuite Automation Suite can create various objects in NetSuite, not only those strictly related to the AP process. Mapping can be easily modified to ensure faultless communication with NetSuite due to its flexibility and reformatable fields (whether required or not).

In conclusion, Rossum's NetSuite Automation Suite provides a highly configurable set of components to import data from and export data to customers' NetSuite instances with none or minimal development effort. With the use of additional components available on the Rossum Store we can achieve quick and inexpensive yet robust integration with NetSuite ERPs.