BrassRing

Salary API Guide

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This document describes a standard **API Integration** to automatically populate a job requisition form within **BrassRing** using salary data from an **External Salary (or other fielded data) Database**.

📝 **Integrated Salary Data Population (BRASSRING & External System)**

I. Objective and Core Functionality

The primary objective is to automatically populate a consolidated salary structure field on an BrassRing job requisition form using data maintained in the client's internal system. This eliminates manual input from recruiters.
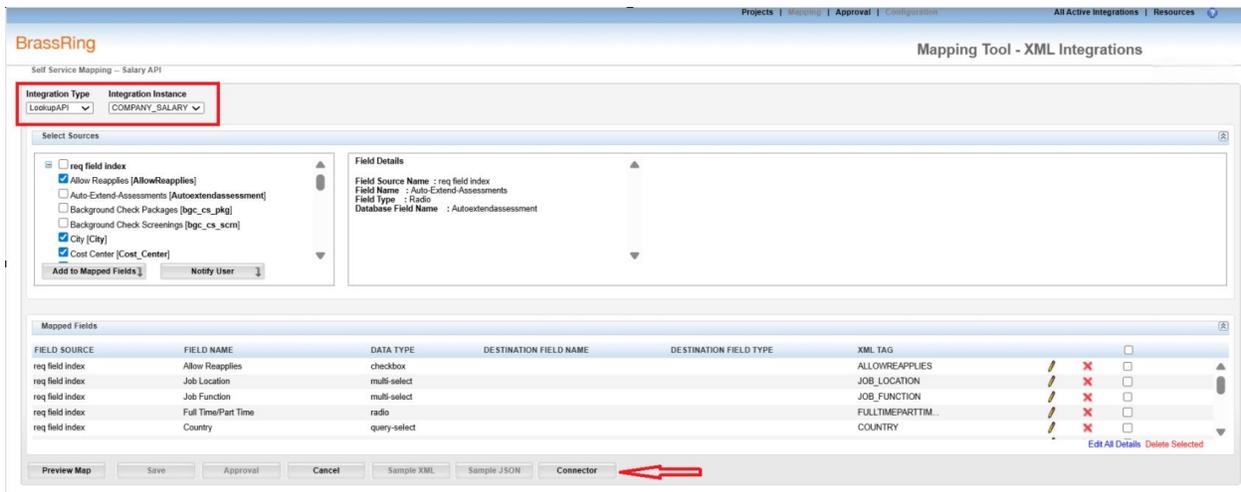
- **Data Source:** The External Salary Database holds critical information such as Band, Minimum/Maximum Salary, and Location-specific ranges.

- **Target Field:** The retrieved salary information is displayed in a **text area** field(s) (ex. 'Consolidated Salary Field'.)

  - This field(s) **can be configured as Read-Only** to prevent manual edits and **Required** to click the button to enforce population via the API.

- **Data Flow:** The salary information is fetched via an **API call** triggered by the BRASSRING.

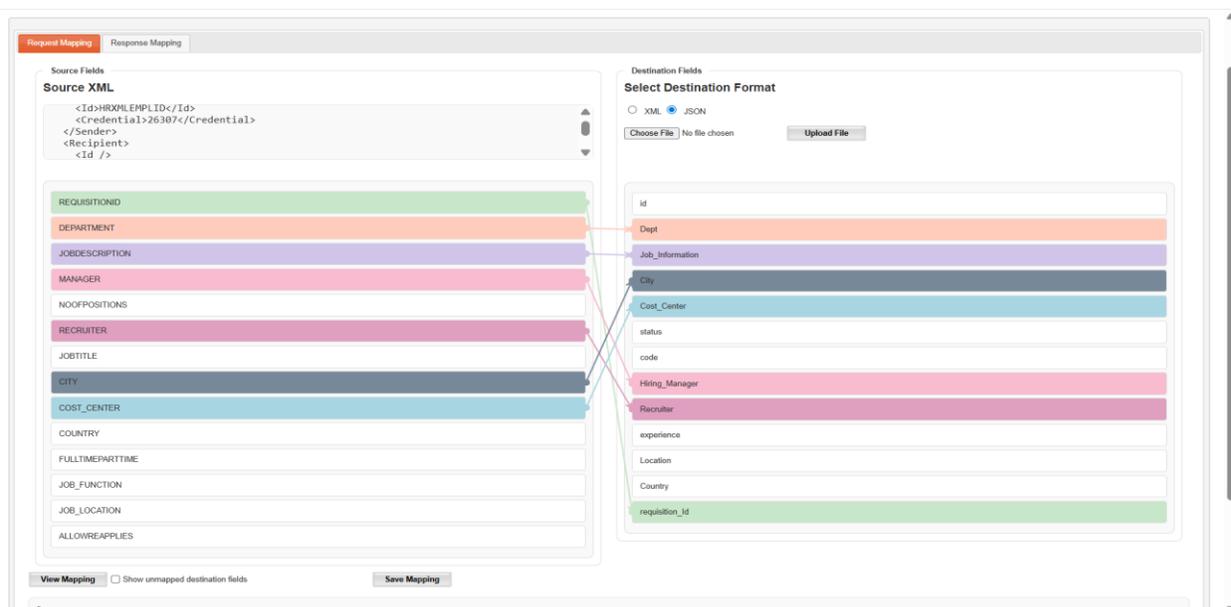**II. Integration Logic and Components**

Field Mapping Capability

The integration uses a new field mapping capability within the **BRASSRING Mapping Tool**. A new integration type called '**LookupAPI**' has been introduced, which requires configuration in the Mapping Tool. The request and response fields must be mapped and saved for this integration.

A new button labeled '**Connector**' has been added for the '**LookupAPI**' integration. Clicking this button allows the Workbench Admin user to map both the request and response fields.

In the **Request Mapping** tab, the **'Source Fields'** are those selected from the BrassRing application, while the **'Destination Fields'** are the ones provided by the client, which can be uploaded in JSON format. To create a mapping, select the desired source fields and the corresponding destination fields. After mapping the fields, the user can review and save the mapping.

Similarly, in the **Response Mapping** tab, select the '**Modified**' option under '**Response Type**' to align the **'Response Source fields'** with the client-uploaded **'Response Destination fields**.' This step is necessary to map correctly and save the configuration, post which the Workbench admin user can configure and activate the integration in the Mapping tool.

Flow Direction	Purpose	Supported Field Types
Outbound Data Flow (BRASSRING → External System)	Sends necessary requisition data (e.g., Job Code, Location) to the External System to query the salary range.	Supports **all field types**.
Inbound Data Flow (External System → BRASSRING)	Populates the requisition fields with data from the External System.	Currently supports only **Text** and **Text Area** field types. Future support may be extended to include Numeric and Date field types.

A bi-directional mechanism is implemented to fetch data by clicking a button

This mechanism is provided for data retrieval or update.

- **Component:** A "Populate Details" button is introduced at the page level of the requisition.

- **Display Logic:** The button is displayed **only if** at least one inbound mapped field exists on the requisition.

- **Functionality:** The user must manually click the button to initiate data retrieval. BrassRing calls the External API, sends outbound mapped-field data, and populates the UI with the corresponding inbound values.

- **Trigger:** The API call is automatically sent when a User Clicks "Populate Details" Button in the Add/Edit/Save as New req workflow, and the required fields are visible.

- **Request:** The BrassRing sends an HTTP request (to /Salaryapi/Webhook) which includes the language, visible field values, an authentication token, and a secret key.

- **Response:** The External System responds with the SalarySummary (a full text description of salary details) or an Error message if required fields are missing.

- **Business Logic:** Only visible requisition fields are included in the API call. The translation of the summary text must be handled by the vendor/client.

📊 **Flow Description**

API Fetch and Error Handling (Using "Populate Details")

Step	Action	Description
1. Trigger	User Clicks "Populate Details" Button in Add/Edit/Save as New req workflow	The user clicks the button to initiate data retrieval.
2. Request	BrassRing Calls External API	BrassRing calls the External API, sending the required outbound fields.
3. Success	Values are Populated	The External System responds with inbound values, and BrassRing automatically populates the required fields.
4. Error (Missing Data)	Error Message Displayed	If the External System reports missing required data (e.g., Country is empty) an error message is shown.
5. Correction	User Manually Enters Data	The user must manually enter the missing data (e.g., Country) and click the **Populate Details** button again.

III. Configuration and Error Management

- **Save Without Fetching:** If the user attempts to click **"Save"** without first clicking the **API Fetch Button**, and if the outputtable fields are required, an error message will appear, preventing the job from being posted without salary information.

- **Misconfiguration Warning:** If an inbound mapped field is **not configured as required** in the BrassRing, the data will still be fetched and populated when the button is clicked. However, the system will **not throw a validation error upon save**, allowing the job to be posted with incomplete data. This is considered a misconfiguration that should be corrected by marking all relevant inbound fields as required.

- **Conditional Button Display:** The API Fetch Button is hidden if all inbound mapped questions are hidden due to Question Branching logic, ensuring it only appears when relevant.