



# User Guide: MDP's Exchange Rate Data Retrieval from the Central Bank of Turkey for use in SAP ERP

Version	Release Date	Description
1.0.0	17.12.2024	Initial Release





## Prerequisites

To successfully implement this integration, ensure the following prerequisites are met:

- **SAP Integration Suite:** A valid subscription to SAP Integration Suite is required to deploy, and monitor this integration flow. The subscription enables the creation of the integration endpoint, which is essential for SAP ERP to retrieve exchange rate data from the Central Bank of Turkey.

## Installation Steps

### 1. Copy the Integration Package

- Copy the *"MDP's Exchange Rate Data Retrieval from the Central Bank of Turkey for use in SAP ERP"* integration package into your SAP Integration Suite workspace.

### 2. Deploy the Artifact

- From the copied integration package, locate the artifact named *"Retrieve Exchange Rate Data from the Central Bank of Turkey with OData"*.
- Deploy this artifact without making any changes.

### 3. Retrieve the Entry Point URL

- Once the artifact is successfully deployed:
  - Navigate to **Monitor > Integrations and APIs**.
  - Go to **Manage Integration Content** and select the **All** section.
  - Find the deployed integration flow and access its details.
  - Retrieve the entry point URL for this integration from the details page.





## Integration Flow Overview

This integration retrieves exchange rate data from the Central Bank of Turkey by sending a request to the relevant endpoint.

- **Retrieve All Data:** When no parameters are provided, the integration returns exchange rate data for all currencies in XML format.
  - **Request URL:**

*https://ENTRY\_POINT\_URL/ExchangeRates*

- **Sample Response:**  
**HTTP Status Code:** 200 OK  
**Response Body:** The response will include the requested exchange rate data.

Header	Exchange Properties	Payload
		<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;ExchangeRates&gt;   &lt;Rate&gt;     &lt;Currency&gt;USD&lt;/Currency&gt;     &lt;CurrencyName&gt;US DOLLAR&lt;/CurrencyName&gt;     &lt;Unit&gt;1&lt;/Unit&gt;     &lt;ForexBuying&gt;34.9219&lt;/ForexBuying&gt;     &lt;ForexSelling&gt;34.9849&lt;/ForexSelling&gt;     &lt;BanknoteBuying&gt;34.8975&lt;/BanknoteBuying&gt;     &lt;BanknoteSelling&gt;35.0373&lt;/BanknoteSelling&gt;     &lt;CrossRateUSD/&gt;     &lt;CrossRateOther/&gt;   &lt;/Rate&gt;   &lt;Rate&gt;     &lt;Currency&gt;AUD&lt;/Currency&gt;     &lt;CurrencyName&gt;AUSTRALIAN DOLLAR&lt;/CurrencyName&gt;     &lt;Unit&gt;1&lt;/Unit&gt;     &lt;ForexBuying&gt;22.1053&lt;/ForexBuying&gt;     &lt;ForexSelling&gt;22.2494&lt;/ForexSelling&gt;     &lt;BanknoteBuying&gt;22.0036&lt;/BanknoteBuying&gt;     &lt;BanknoteSelling&gt;22.3829&lt;/BanknoteSelling&gt;     &lt;CrossRateUSD&gt;1.5761&lt;/CrossRateUSD&gt;     &lt;CrossRateOther/&gt;   &lt;/Rate&gt;   &lt;Rate&gt;     &lt;Currency&gt;DKK&lt;/Currency&gt;     &lt;CurrencyName&gt;DANISH KRONE&lt;/CurrencyName&gt;     &lt;Unit&gt;1&lt;/Unit&gt;     &lt;ForexBuying&gt;4.9048&lt;/ForexBuying&gt;     &lt;ForexSelling&gt;4.9289&lt;/ForexSelling&gt;     &lt;BanknoteBuying&gt;4.9014&lt;/BanknoteBuying&gt;     &lt;BanknoteSelling&gt;4.9402&lt;/BanknoteSelling&gt;     &lt;CrossRateUSD&gt;7.1089&lt;/CrossRateUSD&gt;     &lt;CrossRateOther/&gt;   &lt;/Rate&gt; </pre>





- **Filter Data by Currency:** To retrieve exchange rate information for a specific currency, use the OData filter parameter.

- Request URL to retrieve the exchange rate for USD:

*`https://ENTRY_POINT_URL/ExchangeRates?$filter=Currency eq 'USD'`*

- **Sample Response:**

***HTTP Status Code:** 200 OK*

***Response Body:** The response will include the requested exchange rate data.*

```
Header  Exchange Properties  Payload

<?xml version="1.0" encoding="UTF-8"?>
<ExchangeRates>
  <Rate>
    <Currency>USD</Currency>
    <CurrencyName>US DOLLAR</CurrencyName>
    <Unit>1</Unit>
    <ForexBuying>34.9219</ForexBuying>
    <ForexSelling>34.9849</ForexSelling>
    <BanknoteBuying>34.8975</BanknoteBuying>
    <BanknoteSelling>35.0373</BanknoteSelling>
    <CrossRateUSD/>
    <CrossRateOther />
  </Rate>
</ExchangeRates>
```

For further assistance, guidance, or integration inquiries, feel free to connect with **MDP Group**:

**Website:** <https://mdpgroup.com/en/>

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