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| --- | --- | --- |
| SAP Interface Function Specification Document for I4003 CurrencyConversionRate |  | |
|  | |  |

|  |  |
| --- | --- |
| **Business Process Organizational Structure** | Finance Application Data |
| **Process Owner** | Pradeep Nair |
| **Original Author(s)** | Capgemini L&D Team |
| **Current Revision Author(s)** | Capgemini L&D Team |

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Author(s)** | **Revision Notes** |
| 1.0 | 19/02/2021 | Pradeep Nair | Initial Release |
|  |  |  |  |
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# OBJECT REQUIREMENT SUMMARY

## Object Information and Attributes

The following is current information about this object and document:

|  |  |
| --- | --- |
| **Object ID** | I4003 |
| **Title** | CurrencyConversionRate |
| **Team Which**  **Owns the Object** |  |
| **System Version Source** | SOAP UI |
| **System Version Destination** | Webservice |
| **Development Type** | Interface |
| **Link to Process Flow/FDD(SAP and Non-SAP)** | <<No link>> |

## Requirements Summary and Business Driver

As a part of PI Case Study exercise, we need to trigger a soap request message to get the latest currency conversion rate between two currencies and get a soap response.

### Alternatives to Object

N/A

### Impact of Implementation

Latest currency conversion will be obtained for accurate financial calculations.

### Impact of No Implementation

Without latest currency conversion rate financial calculations will be impacted.

## Assumptions

Necessary SAP connectivity configuration and access is in place to access the soap url.

## Current Functionality

N/A

## Required Functionality

Once the synchronous interface is developed, extract the WSDL file. Create a Soap project in SOAPUI using the WSDL and trigger a message with relevant currencies. A response should be returned with gives the latest currency conversion rate between the two currencies.

## Performance Criteria

| ***Source***  ***System*** | ***Destination***  ***System*** | ***Performance Requirements for Interfaces*** | | |
| --- | --- | --- | --- | --- |
|  |  | Average Transactions / Records and Type per Interface Run (include input & output): | Peak Transactions / Records and Type per Interface Run (include input & output): | Required Throughput For Interface (include input & output): |
| SOAPUI | Webservice | On demand | On demand | On demand |
|  |  |  |  |  |

# INTERFACE DESIGN SPECIFICATIONS

## Detailed Requirements

| *Interface Business Object* | |
| --- | --- |
| **Business Object** | CurrencyConversionRate |
| **Business Object Description** | Latest currency conversion rate between two currencies |

|  |  |  |
| --- | --- | --- |
| ***Application Name*** | ***Source*** | ***Destination*** |
| SAP ERP EC5 |  |  |
| CG share folder |  |  |
| SOAPUI |  |  |

|  |  |
| --- | --- |
| ***Source Application Interface Type(Check one Only)*** | |
| Screen |  |
| Report |  |
| File |  |
| Database Table |  |
| Application Protocol Interface (API) |  |
| WebService |  |
| Other (Describe) Idoc |  |

|  |  |
| --- | --- |
| ***Destination Application Interface Type(Check one Only)*** | |
| Screen |  |
| Report |  |
| File |  |
| Database Table |  |
| Application Protocol Interface (API) |  |
| WebService |  |
| Other (Describe) Idoc |  |

| *Legacy Systems* | *Contact Name* |
| --- | --- |
| N/A | N/A |
| Source 1 |  |
| Source 2 |  |

|  |  |
| --- | --- |
| *Method of Execution:*  (Foreground / Background Scheduled / Manual / On Demand) | Trigger a request message from SOAP UI |
| *Inbound / Outbound:* | Inbound |

## Error Handling

**N/A**

# Selection Criteria/Screen

| **Field Name** | **Selection Text / Description** | **Type of Field (Check Box / Radio Button / Select-Option / Parameter)** | **Search Help / Pick List / List of values**  **(Y / N)** | **Validation Required**  **(Y / N)** | **Default Value** | **Mandatory**  **/ Optional** | **Single/**  **Multiple/**  **Range/**  **all possible combinations** | **Fields Grouping /Frame name** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| N/A |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

## Detailed Requirement

Once the synchronous interface is developed, extract the WSDL file. Create a Soap project in SOAPUI using the WSDL and trigger a message with relevant currencies. A response should be returned with gives the latest currency conversion rate between the two currencies

SOAP Request Message

SOAP Request Message

Webservice

XI1

SOAPUI

SOAP Response Message

SOAP Response Message

## Detailed Data Mapping

Please find the Mapping specification attached below.

Mapping sheet



## Processing Specifications

| *Processing Business Rules* |
| --- |
| Refer to the mapping sheet |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ***Rule*** | **How is this Interface initiated or triggered?** |  | **What is the Initiation or Trigger Source?** | **How frequently is this Interface run?** | **What days of the week does this Interface get run?** | **What time of the day is this Interface run & what is the allowed time window?** | **What are the predecessor processes & dependencies for this Interface?** |
| ***Description*** | SOAP UI |  | N/A | N/A | All days | After successful trigger | N/A |
| ***Source 1*** |  |  |  |  |  |  |  |
| ***Source 2*** |  |  |  |  |  |  |  |

## Scheduling Requirements

**File Descriptions (if applicable)**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Input File Requirements for Inbound Integrations (if applicable)*** | | | | | | | | | |  | |
| **Information Needed** | **Logical File Name** | **File Description** | **Variants** | **System Name** | **Physical File Location & Name** | **Selection Requirements** | **Empty Files** | **Sort Order For Incoming File / Message** | **Length of Time to Archive the Source File** | |
| ***Description*** | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| ***Source 1*** |  |  |  |  |  |  |  |  |  | |
| ***Source 2*** |  |  |  |  |  |  |  |  |  | |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Output File Requirements for Outbound Interfaces (if applicable)*** | | | | | | | | |  |
| **Information Needed** | **Logical File Name** | **File Description** | **Variants** | **System Name** | **Physical File Location & Name** | **Selection Requirements** | **Empty Files** | **Sort Order For Incoming File / Message** | **Length of Time to Archive the Client File** |
| ***Description*** | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| ***Source 1*** |  |  |  |  |  |  |  |  |  |
| ***Source 2*** |  |  |  |  |  |  |  |  |  |

## Architecture Specifications

N/A

## Unit Test Plan

Identify the Test Scenario to be used to test the development with:

|  |  |  |
| --- | --- | --- |
| Test Considerations | Scope of Testing (Inside SAP (IS) / Outside SAP (OS) / Both (BO)) | Target Test Date |
|  | Both (BO) | 15/03/2021 |

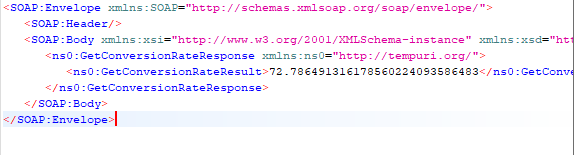
## Related Business Scenario and Business Transactions

**Test Data**

Sample Request



Sample Response



WSDL

