

Currency Rates
API Specification Document

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This document needs to be completed by BSG & IT/Vendor for each Application /API.

Introduction

Currency rates API makes it easy to get the currency rate of various currencies and also the exchange

List of API

List down the

Sr. No	Name	Description
1	Get Currency Rates	This API gets the latest exchange rates across wide range of currencies.
	Get Exchange Details	This API gets the latest exchange rates for the requested Currency.

API Name:

getCurrencyRate

getExchangeDtl

Description:

The API gets the latest exchange rates across wide range of currencies and also for requested currency.

Transport protocol (SOAP / REST)

REST

API Request URLs

getCurrencyRate:-

https://apideveloper.rblbank.com/test/sb/exchangerates/currency_rates

getExchangeDtl:-

https://apideveloper.rblbank.com/test/sb/exchangerates/cross_currency_rates

Access Requirement

Currency Rates

Request Parameters

Business Parameter Name	Description	Parameter Name	Parameter Type	Parameter Constraints	Comments
ReqID	Request Id	ReqID	String	-	Request ID for each request made
ChlID	Channel Id	ChlID	String	-	Channel ID for each request made

Operation	Operation	Operation	String	-	The operation/functionality to be performed
ReqDate	Request Date	Type	Date	ddMMyyyy	Requesting Date

Exchange Details
Request Parameters

Business Parameter Name	Description	Parameter Name	Parameter Type	Parameter Constraints	Comments
ReqID	Request Id	ReqID	String	-	Request ID for each request made
ChlID	Channel Id	ChlID	String	-	Channel ID for each request made
Operation	Operation	Operation	String	-	The operation/functionality to be performed
ReqDate	Request Date	Type	Date	ddMMyyyy	Requesting Date
Variable_Currency_Code	Variable Currency Code	Variable_Currency_Code	String	3	Currency Code

Request Sample
Currency Rates

```
{
  "CurrencyRates": {
    "Request": {
      "ReqID": "1",
      "ChlID": "HSB",
      "Operation": "getCurrencyRate",
      "ReqDate": "27-MAR-2015"
    }
  }
}
```

Request Sample
Exchange Details

```
{
  "CurrencyConverter": {
    "Request": {
      "ReqID": "1",
      "ChlID": "HSB",

```

```

"Operation": "getCurrencyRate",
"ReqDate": "27032015",
"Variable_Currency_Code": "AED"
}

```

Response Parameters

Currency Rates

Business Parameter Name	Description	Parameter Name	Parameter Type	Parameter Constraints	Comments
ReqID	Request Id	ReqID	String	-	Request ID for each request made
ChlID	Channel Id	ChlID	String	-	Channel ID for each request made
Operation	Operation	Operation	String	-	The operation/functionality to be performed
ReqDate	Request Date	ReqDate	Date	-	The requested date for the operation
foreignCurrency	Foreign Currency	foreignCurrency	String	-	The fixed foreign currency code
indianCurrency	Indian Currency	indianCurrency	String	-	The variable currency code
exchangeRate	Exchange Rate	exchangeRate	String	-	The exchange rate amount comparing the indian currency with the foreign currency
rateListDate	Rate List Date	rateListDate	Date	-	The requested date for each rate

Response Sample

```

{"CurrencyRates": {"Response": {
  "Details": {"Request": {
    "ReqID": "1",
    "ChlID": "HSB",
    "Operation": "getCurrencyRate",
    "ReqDate": "27-MAR-2015"
  }},
  "Data": [
    {
      "foreignCurrency": "AED",
      "indianCurrency": "INR",
      "exchangeRate": 17.08,
      "rateListDate": "2015-03-27 00:00:00"
    }
  ]
}}

```

Response Parameters

Exchange Details

Business Parameter Name	Description	Parameter Name	Parameter Type	Parameter Constraints	Comments
ReqID	Request Id	ReqID	String	-	Request ID for each request made
ChlID	Channel Id	ChlID	String	-	Channel ID for each request made
Operation	Operation	Operation	String	-	The operation/functionality to be performed
ReqDate	Request Date	ReqDate	Date	-	The requested date for the operation
Variable_Currency_Code	Variable Currency Code	Variable_Currency_Code	String	-	The Exchange Currency Code
foreignCurrency	Foreign Currency	foreignCurrency	String	-	The fixed foreign currency code
exchangeCurr ency	Exchange Currency	exchangeCurre ncy	String	-	The variable/exchange currency code
exchangeRate	Exchange Rate	exchangeRate	String	-	The exchange amount comparing the exchange currency with the foreign currency
rateListDate	Rate List Date	rateListDate	Date	-	The requested date for each currency record.

Response Sample

```
{"CurrencyConverter": {"Response": {  
  "Details": {"Request": {  
    "ReqID": "1",  
    "ChlID": "HSB",  
    "Operation": "getCurrencyRate",  
    "ReqDate": "23012015",  
    "Variable_Currency_Code": "INR"  
  }},  
  "Data": [  
    {  
      "foreignCurrency": "AED",  
      "exchangeCurrency": "INR",  
      "exchangeRate": 17.01,  
      "rateListDate": "2015-03-27 00:00:00"  
    },  
    {  
      "foreignCurrency": "SGD",  
      "exchangeCurrency": "INR",
```

```

"exchangeRate": 45.5646,
"rateListDate": "2015-03-27 00:00:00"
}

```

Error Codes

Error Code	Error Type	Short Message	Long Message	Correcting This Error
	Validation	Please enter date	Please enter date	Enter Date
	Validation	No Records Found	No Records Found	Enter valid input Details
	Validation	Please enter currency code	Please enter currency code	Enter Currency Code
	Validation	Please enter a valid currency code	Please enter a valid currency code	Enter a Valid Currency Code
	Validation	Invalid date	Invalid date	Enter a Valid Date
	Json Parsing	A JSON parsing error has occurred whilst parsing the JSON document	A JSON parsing error has occurred whilst parsing the JSON document	Enter Proper JSON Format

Appendix

List of mandatory tags in request and response

Currency Rates

MANDATORY REQUEST FIELDS		
FIELDS	TAGS MANDATORY	VALUES MANDATORY
ReqID	N	N
ChIID	N	N
Operation	N	N
Variable_Currency_Code	Y	Y

MANDATORY RESPONSE FIELDS		
FIELDS	TAGS MANDATORY	VALUES MANDATORY
ReqID	N	N
ChIID	N	N
Operation	N	N
ReqDate	Y	Y
ForeignCurrency	Y	Y
IndianCurrency	Y	Y
ExchangeRate	Y	Y
RateListDate	Y	Y

Appendix

List of mandatory tags in request and response

Exchange Details

MANDATORY REQUEST FIELDS		
FIELDS	TAGS MANDATORY	VALUES MANDATORY
ReqID	N	N
ChIID	N	N
Operation	N	N
ReqDate	Y	Y
Variable_Currency_Code	Y	Y

MANDATORY RESPONSE FIELDS		
FIELDS	TAGS MANDATORY	VALUES MANDATORY
ReqID	N	N
ChIID	N	N
Operation	N	N
ReqDate	Y	Y
Variable_Currency_Code	Y	Y
foreignCurrency	Y	Y
exchangeCurrency	Y	Y