

# SaveCurrencyExchangeRate (POST)

## Overview

This POST API can be used to capture new additions in currency exchange rate details from ERP into SMART by GEP, that can be used as reference in P2P transactions.

URL Format: <https://<Instance>/SmartInterfaceAPI/api/Currency/CurrencyExchangeRate>

## Request

```
[
  {
    "fromCurrency": "String",
    "toCurrency": "String",
    "exchangeRate": 0,
    "effectiveDate": "2020-01-22T12:26:39.342Z"
  }
]
```

## Response

```
{
  "data": null,
  "statusCode": "String",
  "errorDetails": [
    {
      "key": "string",
      "errors": [
        {
          "errorCode": "string",
          "errorDescription": "string"
        }
      ]
    }
  ]
}
```

```

    }
  ]
}
],
"successDetails": [
  {
    "key": "String"
  }
]
}

```

## Data Elements

Save Currency Exchange Rate					
S.No.	Property	Required?	Data type	Description	Validations/Exceptions
1	FromCurrency	Yes	String(10)	From Currency name	<ul style="list-style-type: none"> <li>FromCurrency field value is mandatory</li> <li>Invalid FromCurrency value (Stored Proc)</li> </ul>
2	ToCurrency	Yes	String(10)	To Currency name	<ul style="list-style-type: none"> <li>ToCurrency field value is mandatory</li> <li>Invalid ToCurrency value (Stored Proc)</li> </ul>
3	ExchangeRate	Yes	Decimal (18,6)	Rate of exchange	<ul style="list-style-type: none"> <li>Exchange Rate value should be greater than zero (0)</li> </ul>
4	EffectiveDate	No	DateTime	Effective date	

## Examples

### Success Scenario – Request

Below request only contains the mandatory attribute(s):

```
[
  {
    "fromCurrency": "USD",
    "toCurrency": "EUR",
    "exchangeRate": 3
  },
  {
    "fromCurrency": "ZAR",
    "toCurrency": "LBP",
    "exchangeRate": 1.5
  }
]
```

## Success Scenario – Response

```
{
  "data": null,
  "statusCode": "200",
  "errorDetails": [],
  "successDetails": [
    {
      "key": "USD|EUR"
    },
    {
      "key": "ZAR|LBP"
    }
  ]
}
```

## Error Scenario 1 – Request

Below request contains a missing value of the mandatory attribute – fromCurrency:

```
[
```

```
{
  "toCurrency": "EUR",
  "exchangeRate": 1.5,
  "effectiveDate": "10-12-2019"
},
{
  "fromCurrency": "USD",
  "toCurrency": "LBP",
  "exchangeRate": 3,
  "effectiveDate": null
}
]
```

## Error Scenario 1 – Response

```
{
  "data": null,
  "statusCode": "400",
  "errorDetails": [
    {
      "key": "|EUR",
      "errors": [
        {
          "errorCode": "MandatoryField",
          "errorDescription": "FromCurrency field value is Mandatory"
        }
      ]
    }
  ],
  "successDetails": []
}
```

## Error Scenario 2 – Request

Below request contains an invalid format of effectiveDate:

```
[
  {
    "fromCurrency": "USD",
    "toCurrency": "EUR",
    "exchangeRate": 1.5,
    "effectiveDate": "13-12-2019"
  },
  {
    "fromCurrency": "USD",
    "toCurrency": "EUR",
    "exchangeRate": 1.5,
    "effectiveDate": null
  }
]
```

## Error Scenario 2 – Response

```
{
  "data": null,
  "statusCode": "400",
  "errorDetails": [
    {
      "key": "Model Validation",
      "errors": [
        {
          "errorCode": "",
          "errorDescription": "Could not convert string to DateTime: 13-12-2019."
        }
      ]
    }
  ]
},
```

```
"successDetails": []  
}
```