**API Description Document**

**Requestor**

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| --- | --- |
| Requestor:  Sampath Kumar B | Date:  08 – Mar – 2019 |
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**Approvals**

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| Executive Sponsor: | Date: |
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| Project Manager BSG: | Date: |
| Please add additional rows if you have additional stakeholders that need to approve this document. | |
| Comments: | |

**Revision History**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document/Dept. Owner: | IT | | | | |
| Created By: | Sampath Kumar B | | Date: | | 08 – Mar – 2019 |
| Revised By | | Date Revised | | New Version # | |
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# *Introduction*

*Project – EMI Finance – Credit Cards*

# *List of API*

*List down the APIs part of the projects:*

|  |  |  |
| --- | --- | --- |
| **Sr. No** | **Name** | **Description** |
| **1.** | EMIFIN\_genvalOTP | API for OTP generation and validation used as part of EMI Finance project. |

# *API* *Name*

EMIFIN\_genvalOTP

# *Description*

This API will be used by BFL for OTP generation and validation used as part of EMI Finance and Rewards redemption at Pos*.*

# *Transport protocol (SOAP / REST)*

REST

# *API Request URLs*

# <https://apideveloper.rblbank.com/test/sb/rbl/v1/EMI/Finance/Gen/OTP>

# *Request Parameters*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Type** | **Parameter Constraints** | **Comment** |
| RequestUUID | Unique Request ID for every  Request needed for tagging | VARCHAR2 | Length=32 | Mandatory |
| ServiceRequestId | Unique ID for the service as  shared in the API document | VARCHAR2 | Length=20 | Mandatory |
| ServiceRequestVersion | Version No of the service | VARCHAR2 | Length=5 | Tag mandatory , value optional |
| ChannelId | Channel ID assinged as per  the bank | VARCHAR2 | Length=20 | Mandatory |
| BankId | BankId of the client | VARCHAR2 | Length=10 | Tag mandatory , value optional |
| TimeZone | Timezone of the client | VARCHAR2 | Length=25 | Tag mandatory , value optional |
| MessageDateTime | Current TimeStamp in  specified format | VARCHAR2 | Length=25 | Tag mandatory , value optional |
| Certificate | Security Certificate of the  client accessing the  application | VARCHAR2 | Length=500 | Tag mandatory , value optional |
| MessageHashKey | Hash Key of the client | VARCHAR2 | Length=30 | Tag mandatory , value optional |
| MessageIndex | Message Index assigned for the client | VARCHAR2 | Length=50 | Tag mandatory , value optional |
| UserId | UserId of the Client | VARCHAR2 | Length=6 | Tag mandatory , value optional |
| Password | password of the client | VARCHAR2 | Length=20 | Tag mandatory , value optional |
| DeviceFamily | DeviceFamily of the client | VARCHAR2 | Length=20 | Tag mandatory , value optional |
| DeviceFormat | DeviceFormat of the client | VARCHAR2 | Length=20 | Tag mandatory , value optional |
| DeviceType | DeviceType of the client | VARCHAR2 | Length=50 | Tag mandatory , value optional |
| DeviceName | DeviceName of the Client | VARCHAR2 | Length=50 | Tag mandatory , value optional |
| DeviceIMEI | DeviceIMEI of the client | VARCHAR2 | Length=50 | Tag mandatory , value optional |
| DeviceID | DeviceId of the Client | VARCHAR2 | Length=50 | Tag mandatory , value optional |
| DeviceVersion | DeviceVersion of the Client | VARCHAR2 | Length=50 | Tag mandatory , value optional |
| AppVersion | AppVersion of the client | VARCHAR2 | Length=50 | Tag mandatory , value optional |
| DeviceOS | OS used by the client | VARCHAR2 | Length=50 | Tag mandatory , value optional |
| DeviceIp | Device/Server IP of the client | VARCHAR2 | Length=50 | Tag mandatory , value optional |
| SessionId | SessionId of the request  initiated by the client | VARCHAR2 | Length=50 | Tag mandatory , value optional |
| mobileNumber | Mobile No of the customer | VARCHAR2 | Length=12 | Mandatory |
| Rewardpoints | Rewardpoints of the  customer | VARCHAR2 | Length=20 | Mandatory |
| Amount | Amount | VARCHAR2 | Length=50 | Mandatory |
| Merchant | Merchant Name | VARCHAR2 | Length=20 | Mandatory |
| email | Email Id of the customer | VARCHAR2 | Length=100 | Mandatory |
| cardNumber | Last 4 digits of the  customer's card no | VARCHAR2 | Length=4 | Mandatory |
| templateId | Template for OTP generation | VARCHAR2 | Length=8 | Mandatory |
| OTPKey | Needs to be sent in OTP  Validation Request | VARCHAR2 | Length=50 | Mandatory |
| OTPValue | Value received on customer  mobile | VARCHAR2 | Length=6 | Mandatory |

## Request Sample

{

"EMIFIN\_genvalOTP":{

"RequestHeader":{

"MessageKey":{

"RequestUUID":"706363006303",

"ServiceRequestId":"RPREEDEM\_GENVALOTP",

"ServiceRequestVersion":"",

"ChannelId":"BFLP"

},

"RequestMessageInfo":{

"BankId":"",

"TimeZone":"",

"MessageDateTime":""

},

"Security":{

"Token":{

"Certificate":"",

"MessageHashKey":"",

"MessageIndex":"",

"PasswordToken":{

"UserId":"",

"Password":""

}

}

},

"DeviceInfo":{

"DeviceFamily":"",

"DeviceFormat":"",

"DeviceType":"",

"DeviceName":"",

"DeviceIMEI":"",

"DeviceID":"",

"DeviceVersion":"",

"AppVersion":"",

"DeviceOS":"",

"DeviceIp":""

},

"AdditionalInfo":{

"SessionId":""

}

},

"RequestBody":{

"EMIFIN\_genvalOTP\_RequestBody":{

"mobileNumber":"9999999999",

"rewardPoints":"300",

"amount":"2000",

"merchant":"ASDF",

"email":"abcd@rblbank.com",

"cardNumber":"1807",

"templateId":"CCEMIFIN",

"OTPKey":"",

"OTPValue":""

}

}

}

}

## Response Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Type** | **Parameter Constraints** | **Comment** |
| RequestUUID | Same as Request | VARCHAR2 | Length=32 | Mandatory |
| ServiceRequestId | Same as Request | VARCHAR2 | Length=20 | Mandatory |
| ServiceRequestVersion | Same as Request | VARCHAR2 | Length=5 | Tag mandatory , value optional |
| ChannelId | Same as Request | VARCHAR2 | Length=20 | Mandatory |
| BankId | Same as Request | VARCHAR2 | Length=25 | Tag mandatory , value optional |
| TimeZone | Same as Request | VARCHAR2 | Length=25 | Tag mandatory , value optional |
| SessionId | Same as Request | VARCHAR2 | Length=50 | Tag mandatory , value optional |
| OTPKey | Same as Request | VARCHAR2 | Length=50 | Tag mandatory , value optional |
| StatusCode | status code | VARCHAR2 | Length=20 | 0 -- Success , 1 -- Failure |
| ErrorCode | Error code received for API execution | VARCHAR2 | Length=20 | 0 -- Success, Errorcode in case of failure |
| ErrorMessage | Error Messahe for API execution | VARCHAR2 | Length=20 | 0 -- Success, Errormessage in case of failure |
| DisplayText | Display message basis API execution result | VARCHAR2 | Length=20 | Message |

## Response Sample

{

"EMIFIN\_genvalOTP":{

"ResponseHeader":{

"MessageKey":{

"RequestUUID":"706363006303",

"ServiceRequestId":"RPREEDEM\_GENVALOTP",

"ServiceRequestVersion":"",

"ChannelId":"BFLP"

},

"ResponseMessageInfo":{

"BankId":"",

"TimeZone":"",

"MessageDateTime":""

},

"AdditionalInfo":{

"SessionId":""

}

},

"ResponseBody":{

"EMIFIN\_genvalOTP\_ResponseBody":{

"OTPKey":"265556756"

}

},

"Status":{

"StatusCode":"0",

"ErrorCode":"0",

"ErrorMessage":"SUCCESS",

"DisplayText":"OTPGeneratedSuccessfully"

}

}

}

***Response Codes***

|  |  |  |
| --- | --- | --- |
| **Response Stage** | **Error Code** | **Response Message** |
| SUCCESS | 0 | SUCCESS |
| FAILURE | EMIFIN0001 | Duplicate RequestId |
| EMIFIN0002 | Database Exception |
| EMIFIN0003 | Parser Exception |
| EMIFIN0004 | Invalid CardNo/MobileNo |
| EMIFIN0005 | OTP Generation Failure |
| EMIFIN0006 | Invalid OTP |
| EMIFIN0007 | Hostsystem Timeout |