

APIHUB

RSO Api

Banglalink Digital

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1. API:

1.1 mapping-validation API

Description: To validate retailer.

URL Path: /openapi-mfs-integration/rso/mapping-validation

Method Type: POST

Headers: { Accept: application/vnd.banglalink.apihub-v1.0+json }

Table. Request Type:

Method	URL
POST	< PROTOCOL>://< HOSTNAME>:< PORT >/openapi-mfs-integration/rso/mapping-validation -H "accept: */*" -H "authorization: Bearer < Access Token Here >"

Table. Headers

Parameter	value
authorization	Bearer Token

Authorization Services are secured by default. Before invoking any service, bearer token/access token need to retrieve using OAuth2 - Authorization Code Flow. Details have been discussed in separate document.

Table. Request parameters:

Property	Mandatory	Data Type	Description	Example
channel	Yes	String	Channel is configurable .	bkash
agentNumber	No	String	Bkash agent number	01913000000
retailerMsisdn	Yes	String	Banglalink retailer number	01913000000

Sample Request:

```
{  
  "channel": "bkash",  
  "retailerMsisdn": "01927230271"  
}
```

Response:

If Success:

```
{  
  "message": "Success",  
  "data": {  
    "retailerName": "JHOL SIRY"  
  },  
  "errors": [  
    {}  
  ]  
}
```

If one or more field is invalid or missing:

```
{  
  "message": "Invalid request data",  
  "errors": [  
    {  
      "field": "retailerMsisdn",  
      "message": "retailerMsisdn is required"  
    },  
    {  
      "field": "agentNumber",  
      "message": "agentNumber is required"  
    },  
    {  
      "field": "channel",  
      "message": "invalid or missing channel"  
    }  
  ]  
}
```

Invalid Channel:

```
{
  "message": "Invalid request data",
  "errors": [
    {
      "field": "channel",
      "message": "invalid or missing channel"
    }
  ]
}
```

Authorization Failure:

```
{
  "message": "Full authentication is required to access this resource",
  "errors": []
}
```

1.2 c2c-transaction API

Description: To do c2c transaction.

URL Path: */openapi-mfs-integration/rso/c2c-transaction*

Method Type: POST

Headers: { **Accept:** application/vnd.banglalink.apihub-v1.0+json }

Table. Request Type:

Method	URL
POST	< PROTOCOL>://< HOSTNAME>:< PORT >/openapi-mfs-integration/rso/c2c-transaction -H "accept: */*" -H "authorization: Bearer < Access Token Here >"

Table. Headers

Parameter	value
authorization	Bearer Token

Authorization Services are secured by default. Before invoking any service, bearer token/access token need to retrieve using OAuth2 - Authorization Code Flow. Details have been discussed in separate document.

Table. Request parameters:

Property	Mandatory	Data Type	Description	Example
channel	Yes	String		bkash
agentNumber	No	String	MFS Agent account number	01624171482
retailerMsisdn	Yes	String	Retailer MSISDN	01409947355
paidAmount	Yes	Integer		110
mfsExternalRefCode	Yes	String	MFS unique transaction code. In response mfsExternalRefCode is transactionCodeMfs	BK258147

Sample Request:

```
{
  "channel": "bkash",
  "paidAmount": 30,
  "mfsExternalRefCode": "BK258147",
  "retailerMsisdn": "01927230271"
}
```

Response:

If Success:

```
{
  "message": "Success",
  "data": {
    "transactionCodeEv": "CT241024.1724.210001",
    "paidAmount": 110,
    "transferQty": 112.2,
    "transactionCodeMfs": "BK258147"
  },
  "errors": [
    {}
  ]
}
```

If one or more field is invalid or missing:

```
{
  "message": "Invalid request data",
  "errors": [
    {
      "field": "retailerMsisdn",
      "message": "retailerMsisdn is required"
    },
    {
      "field": "agentNumber",
      "message": "agentNumber is required"
    },
    {
      "field": "channel",
      "message": "invalid or missing channel"
    }
  ]
}
```

Authorization Failure:

```
{
  "message": "Full authentication is required to access this resource",
  "errors": []
}
```

1.3 transaction-history API

Description: To get mapping-validation.

URL Path: */openapi-mfs-integration/rso/transaction-history*

Method Type: POST

Headers: { **Accept:** application/vnd.banglalink.apihub-v1.0+json }

Table. Request Type:

Method	URL
POST	< PROTOCOL>://< HOSTNAME>:< PORT >/openapi-mfs-integration/rso/transaction-history -H "accept: */*" -H "authorization: Bearer < Access Token Here >"

Table. Headers

Parameter	value
authorization	Bearer Token

Authorization Services are secured by default. Before invoking any service, bearer token/access token need to retrieve using OAuth2 - Authorization Code Flow. Details have been discussed in separate document.

Table. Request parameters:

Property	Mandatory	Data Type	Description	Example
channel	Yes	String	Channel is configurable	bkash
agentNumber	No	String	MFS Agent user number	01624171482
mfsExternalRefCode	No	String	MFS unique transaction code	
evTransactionCode	No	String		
fromDate	Yes	String	Transaction date	01-Jun-24
toDate	Yes	String	Transaction date	10-Jun-24

Sample Request:

```
{
  "channel": "bkash",
  "mfsExternalRefCode": "BK102347",
  "evTransactionCode": "",
  "fromDate": "01-OCT-24",
  "toDate": "23-OCT-24"
}
```

Response:

If Success:

```
{
  "message": "Success",
  "data": [
    {
      "retailerMsisdn": "1927230271",
      "paidAmount": "20",
      "transferQty": "20.4",
    }
  ]
}
```

```

        "status": "1",
        "statusName": "Success",
        "evTransactionCode": "CT241023.1713.210001",
        "mfsTransactionCode": "BK290999"
    }
},
"errors": [
    {}
]
}

```

If one or more field is invalid or missing:

```

{
    "message": "Invalid request data",
    "errors": [
        {
            "field": "channel",
            "message": "invalid or missing channel"
        },
        {
            "field": "fromDate",
            "message": "fromDate is required"
        },
        {
            "field": "agentNumber",
            "message": "agentNumber is required"
        },
        {
            "field": "toDate",
            "message": "toDate is required"
        }
    ]
}

```

Authorization Failure:

```

{
    "message": "Full authentication is required to access this resource",
    "errors": []
}

```

2.Response status list

Code	Desc
200	OK .
400	Bad Request
401	Unauthorized
403	Forbidden
404	Not Found
405	Invalid Input

Note: If http status code is 200 then success , other wise fail.

3. Version history

Name	Title	Version	Release
S M Junayed Shanto	Application Developer	1.0	15-Oct-2024
S M Junayed Shanto	Application Developer	1.1	20-Oct-2024
S M Junayed Shanto	Application Developer	1.2	24-Oct-2024
S M Junayed Shanto	Application Developer	1.3	12-Nov-2024