

API Specification Document

API Name: v2/prefetchAccount

1. Authorization

Oauth2.0 - Refer attached



oAuth 2.0 Process for
JWT Onboarding and

2. Payload Encryption

AES256 with dynamic IV – refer attached



AES 256 Encryption
in CBC mode with Dyn

3. Request

Note: All field values are in string format.

| Field Name | Description | Mandatory | Field Length | Sample Value |
|---------------------|--|-----------|--------------|--------------------------------------|
| HTTP Headers | | | | |
| source | Channel identifier, used to identify the external partner | Y | 3 | ABC |
| correlationId | Unique transaction reference number | Y | | e0c4a3c2-d29d-11eb-b8bc-0242ac130003 |
| Content-type | Static value | Y | | application /octet-stream |
| Request Body | | | | |
| CBSTellerBranch | Branch Number in which currently transacting Teller is logged in | N | | 41101 |
| CBSTellerID | Teller Number which is | N | | 9903 |

| | | | | |
|---------------|---------------------|---|----|-------------|
| | currently logged in | | | |
| accountNumber | Account Number | Y | 17 | 10000619844 |

4. Response

| Field Name | Description | Mandatory | Field Length | Sample Value |
|-------------------------------|--|-----------|--------------|--------------------------|
| Response Body | | | | |
| prefetchAccountResp | | | | |
| metaData | | | | |
| metaData/status | Status : SUCCESS , ERROR | Y | | SUCCESS |
| metaData/message | Message Details in case of error reason | Y | | |
| metaData/version | Version of the service which returns the response | Y | | v2 |
| metaData/time | Timestamp | Y | | 2022-01- 10T10:10:000 |
| resourceData | | | | |
| resourceData/accountNumber | Account Number | N | 17 | 10000619844 |
| resourceData/availableBalance | Available Balance | N | 14 | 98633139.060 |
| resourceData/accountStatus | Account Status | N | 18 | OPEN |
| resourceData/freeze | Freeze | N | 1 | 0 |

5. Sample unencrypted Request

```
{
  "prefetchAccountReq": {
    "CBSTellerBranch": "",
    "CBSTellerID": "",
    "accountNumber": "10000619844"
  }
}
```

6. Sample encrypted Request

UIBJfkZ0NmILRTIOPV1eZSdE6A6Q3vVIQu6baCE6AZXNeYtvaCZD0RuIwf
LRz3eChFS1f4kBo2OeuCkVnmSRPLaV9ZWITP8Y6pwS7Qn4fo+qU5kF78
nkWTXKmltV0sXcDGMAGMWx9f0pakc13qCgpsqZart1es+y4Lx4CmAjJW
Ovlfd7/ZnGS9MG6k+tc3XB6FUXe+fWsBvEmeZc0/fNrw==

7. Sample encrypted Response

YjtxXjpIPEZSVVdWfEE3TP1rvNn68BzWMJfxgP7OU+5BWdoL6EVCv7q0SswSqB
3ZQ5BE7VCnLG4jDPkW3NaPz1WcJE8QG+DKHKWXYwTBQcKZ6guTfYHwkqCuo
U8g2Z9AHsB8UDgnFaft1M1dO3PvURvklOu2NbP2UzrjmDBZi1k7BiYrw1cbpL3
8IU4mnezABc5jk/FWGLPXUVzSGiNQFXGhPMHzaGowadqkfpNnIAILwxsSC+eY
PIGVW2QT0V6/mumEPRMxMA9sNVi9gh7NFDEqsX6EdRyG+eNFVF4hbTPp55
XO1Qyt7SiVu93XOkmNUjOzNA6C/dKw943GdHliNJ99vrTPtT89EMQth2vxLBsZ
5ASAYwzbLaEc1UdJxq6h+7YxzfudreAdDv2ymj82bCsuLdRNiKeLFZ8ZpqV6VE7z8
stAdrfA0rdEvUlzkNFVqcMIyJUR2zdbPug85Klekh3K9+jXyFz5v6Pnzjzoro6YE+XP
pPPFTG5VXIDZTAoj

8. Sample unencrypted Response

```
{
  "prefetchAccountResp": {
    "metaData": {
      "status": "SUCCESS",
      "message": " ",
      "version": "v2",
      "time": "2022-07-28T20:07:36.242+05:30"
    },
    "resourceData": {
      "accountNumber": "10000619844",
      "availableBalance": "497484362.700",
      "accountStatus": "OPEN",
      "freeze": "0"
    }
  }
}
```

9. Postman curl for clients

```
curl -X POST \
  https://apiext.uat.idfcfirstbank.com/acctenq/v2/prefetchAccount \
  -H 'Accept: */*' \
  -H 'Accept-Encoding: gzip, deflate' \
  -H 'Authorization: Bearer qqwfG3dMhJGEBm3wWY0wLG3eQPClpJo0JzsXOt01m1Q.efMezkNbqKVG1pc7GHZOzweHdtow3IhW7FCEbSmMmm0' \
  -H 'Cache-Control: no-cache' \
  -H 'Connection: keep-alive' \
  -H 'Content-Length: 216' \
  -H 'Content-Type: application/octet-stream' \
  -H 'Host: apiext.uat.idfcfirstbank.com' \
  -H 'Postman-Token: a3e08340-a7a4-4ea6-9060-b7a8103b42d1,928dde2e-f74b-43a3-863f-7960c66cc37e' \
  -H 'User-Agent: PostmanRuntime/7.19.0' \
  -H 'cache-control: no-cache' \
  -H 'correlationId: 2907P01' \
  -H 'source: ABC' \
  -d 'U1N7PUtdflpWOUN+eXd+X5W6h75Nz7K9ZUotQHeYUqRECbl+/hiNqlnE8Vi5hsi8CdWnNZalwRCEfqH9QZf5rK3wdCZvkKiiC1lrpyX1CRcyvs+XteQNspzSe61iv9y2FACvx/XOR3hciwgbihcE/H92Hffl2qt13v5GCeR5feggOyG0lSDReJXWJ3mMw2yUv96NS/ReZMNiNrpp7eMcmw=='
```

10. Technical Error codes

| Error Code | Description | Scenario | Existing/New |
|------------|-------------------------------|--|--------------|
| PROXY_400 | Bad Request / Invalid Request | Invalid Request sent by client | New |
| PROXY_401 | Unauthorized | Authorization issue | New |
| PROXY_403 | Forbidden Issue. | Technical error at bank end | New |
| PROXY_404 | Resource Not Found | Incorrect URL sent by client | New |
| PROXY_405 | Method Not Allowed | Incorrect method (PUT, GET, etc) sent by client | New |
| PROXY_406 | Not Acceptable | Technical error at bank end | New |
| PROXY_415 | Unsupported Media Type | Invalid media type in http header sent by client | New |
| PROXY_500 | Internal Server Error. | Technical error at bank end | New |
| PROXY_501 | Not Implemented | Technical error at bank end | New |
| PROXY_502 | Connectivity Issue. | Technical error at bank end | New |
| PROXY_503 | Service Unavailable. | Technical error at bank end | New |

| | | | |
|-----------|------------------|--|-----|
| PROXY_504 | Request Timeout. | Request Timeout. Status of transaction unknown | New |
|-----------|------------------|--|-----|