**International Money Transfer : Admin**

**Version 1.0.0, 29th August 2024**

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| **Amendments** |

|  |  |  |
| --- | --- | --- |
| **Version** | **Date Issued** | **Description** |
| 1.0.0 | 29th August, 2024 | Initial draft |

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# **Integration: Narratives**

The purpose of this document is to provide a high level specification for the Cross Border Money (Application Programming Interface). We expect the readers of the reader already have an understanding of basic API/Web Services.

**The response will be in JSON format.**

The end users are expected to make their requests with valid registered institution credentials, to get all the data in their scopes based on their accessibility in the system.

**Authentication:**

When an end user requires data from the system, the user will establish a connection to the payment system by calling appropriate link and passing the valid user credentials. The payment system will check the credentials and will issue **“Access token/Bearer Token”** in the response as JSON value. These access tokens will be then used in the subsequent API method calls from the user. The token will have issue time and expire time stored in API database. Once the **token expired**, **the user has to provide user credentials** and **get a new token.**

***Important Notes:*** Mandatory to send JWT as Authorization header.  
Test credentials (only applicable for test.fastpay.com.tr)

*service\_id (aud)* : 10001

service\_client\_id *(cid)* : ‘70755d8d470e9ce98bdf7729420e36b4’

service\_client\_secret : ‘482d8bee7a1268b78cd4cd7b8ee9fd0e’

**JWT**

**Algorithm :** HS512

**Hash :** hash\_hmac(‘SHA512’, request\_content, service\_client\_secret, false);

**Example:**  
Token

eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzUxMiJ9.eyJoYXNoIjoiYjE2MWM4NGMxNzYxZTJiZGU2ZWNmNjdkOTc4YWRjMmI2ZmRjODRjYzk5NDNlZDQyYmFlNDZhYTFmMjFhM2NiMTcyZWYzNDYxZTA1MTU1OWViZjVkYjk5N2JkYzI1NzYwMDMzYzk3OTY0MmYzOTBkZjBjMzU0MTVhNWI2ZGYzNDMiLCJhdWQiOjEwMDAxLCJjaWQiOiI3MDc1NWQ4ZDQ3MGU5Y2U5OGJkZjc3Mjk0MjBlMzZiNCIsIm5iZiI6MTY0ODUzODM2MSwiZXhwIjoxNjQ4NTM4OTYxLCJpYXQiOjE2NDg1Mzg2NjF9.q-2Omj55I6ekubCwE4cDiZbb5bMb2FqxUrM1rohzBFy2RANOywHi8B9h4LNC73vUq6Ac9mMuZYq4wZ0N3-LeUg.

Decoded:  
{

"typ": "JWT",

"alg": "HS512"

}

{

"hash": "b161c84c1761e2bde6ecf67d978adc2b6fdc84cc9943ed42bae46aa1f21a3cb172ef3461e051559ebf5db997bdc25760033c979642f390df0c35415a5b6df343",

"aud": 10001,

"cid": "70755d8d470e9ce98bdf7729420e36b4",

"nbf": 1648538361,

"exp": 1648538961,

"iat": 1648538661

}

# **Methods**

# **Countries : All**

### **Overview**

This API endpoint allows users to fetch countries.

### **Endpoint**

GET /v1/admin/countries

### **Request**

Request Headers

* **Content-Type: application/json**
* **Authorization: Bearer (JWT)**

### **Request Body**

The request body should be a JSON object containing the following fields:

| Field | Type | Required | Enums | Description |
| --- | --- | --- | --- | --- |

### **Example**

|  |
| --- |
| **Headers** |
| Authorization: Bearer  Content-Type: application/json |
| **Request** |
| GET /v1/money-transfer/countries |
|  |

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | **Successful** {  "status": {  "code": "100",  "message": "Successful"  },  "data": [  {  "id": 10,  "code": "USA",  "iso\_code": "US",  "name": "United States",  "created\_at": "2024-08-29T00:00:00Z",  "updated\_at": "2024-08-29T12:00:00Z"  },  {  "id": 2,  "code": "CAN",  "iso\_code": "CA",  "name": "Canada",  "created\_at": "2024-08-28T00:00:00Z",  "updated\_at": "2024-08-29T10:00:00Z"  }  ]  } |
| 400 | **Failure**  {  "status": {  "code": "5000",  "message": "unexpected error"  },  "data": {}  } |

# **Country :/{id}**

### **Overview**

This API endpoint allows users to fetch countries.

### **Endpoint**

GET /v1/admin/countries/{id}

### **Request**

Request Headers

* **Content-Type: application/json**
* **Authorization: Bearer (JWT)**

### **Request Body**

The request body should be a JSON object containing the following fields:

| Field | Type | Required | Enums | Description |
| --- | --- | --- | --- | --- |

### **Example**

|  |
| --- |
| **Headers** |
| Authorization: Bearer  Content-Type: application/json |
| **Request** |
| GET /v1/money-transfer/countries/10 |
|  |

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | **Successful** {  "status": {  "code": "100",  "message": "Successful"  },  "data": [  {  "id": 10,  "code": "USA",  "iso\_code": "US",  "name": "United States",  "created\_at": "2024-08-29T00:00:00Z",  "updated\_at": "2024-08-29T12:00:00Z"  }  ]  } |
| 400 | **Failure**  {  "status": {  "code": "5000",  "message": "unexpected error"  },  "data": {}  } |

# **Banks : /{country\_code}**

### **Overview**

This API endpoint allows users to get a list of Banks against a country iso code.

### **Endpoint**

GET /v1/admin/banks/{country\_code}

### **Request**

Request Headers

* **Content-Type: application/json**
* **Authorization: Bearer (JWT)**

### **Request Body**

The request body should be a JSON object containing the following fields:

| **Field** | **Type** | **Required** | **Enums** | **Description** |
| --- | --- | --- | --- | --- |

### **Example**

|  |
| --- |
| **Headers** |
| Authorization: Bearer  Content-Type: application/json |
| **Request** |
| /v1/admin/banks/TUR |
|  |

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | {  "status": {  "code": "100",  "message": "Successful"  },  "data": [  {  "id": 1,  "country\_id": 1,  "code": "BNK1",  "name": "Bank A",  "display\_name": "Bank A",  "url": "https://www.bank-a.com",  "logo": "https://www.bank-a.com/logo.png",  "created\_at": "2024-08-29T00:00:00Z",  "updated\_at": "2024-08-29T12:00:00Z"  },  {  "id": 2,  "country\_id": 1,  "code": "BNK2",  "name": "Bank B",  "display\_name": "Bank B",  "url": "https://www.bank-b.com",  "logo": "https://www.bank-b.com/logo.png",  "created\_at": "2024-08-28T00:00:00Z",  "updated\_at": "2024-08-29T10:00:00Z"  }  ]  } |
| 400 | **Failure**  {  "status": {  "code": "1001",  "message": "'invoice id' must not be empty."  },  "data": {}  } |