**Following are the Authentication fields in the API request:**

1. Username / Password

2. Secret key

3. Certificate

4. APPID

**1**. **Username / Password:**

Username and password would be our user credential’s.

**2. Secret key:**

Secret key will be created with concatenated Counter + Auth key in Base64 Encoded form.

E.g.

Counter: 10  
Auth key: 779a4769-3970-4e14-be1f-55673c246654

Concatenation: 10\*779a4769-3970-4e14-be1f-55673c246654

Secret Key: Would be in the form of Base64

MTAqNzc5YTQ3NjktMzk3MC00ZTE0LWJlMWYtNTU2NzNjMjQ2NjU0

**3. Certificate:**

We will provide you client certificate. You would be send in the request.

**4. APPID:**It can be user defined string. Like FGCAPP

----------------------------------------------------------------------------

**Request Params:**

**Transaction Type**:

It will be of two types:  
 Payment or Deposit

**Sender Account ID:** FGCClient Account No

**Sender Company Name**: FGC Client Name .

**Account Name:** Counter party name

**Account No:** Counter party account No.

---------------------------------------------------------------------

**Response Code:**

Status code for Success:

Status Code :200

We set following Status Code for specific error triggers.

1.Status Code:100: Invalid Username and Password

2. Status Code:101: Invalid Secret Key

2. Status Code:103: Invalid Client Certificate

**Request Sample for Type Payments:**

{

"endpoints": "https://www.fgcerpdev.com/api/Transaction/PostTransaction",

"request": {

method": "POST",

"header": [],

"body": {

"mode": "formdata",

"formdata": [

{

"key": "Username",

"value": "jsmith@gmail.com",

"type": "text"

},

{

"key": "Password",

"value": "admin",

"type": "text"

},

{

"key": "SecretKey",

"value": "NDAqNzc5YTQ3NjktMzk3MC00ZTE0LWJlMWYtNTU2NzNjMjQ2NjU0",

"type": "text"

},

{

"key": "AppID",

"value": "FGCApp",

"type": "text"

},

{

"key": "ClientCert",

"type": "file",

"src": "/C:/Users/Hp/Downloads/FGC-trusek\_APIUser.pfx" },

{

"key": "TransactionID",

"value": "18050",

"type": "text"

},

{

"key": "TransactionType",

"value": "Payment",

"type": "text"

},

{

"key": "Suspense\_Deal\_ID",

"value": "",

"type": "text"

},

{

"key": "Amount",

"value": "11100",

"type": "text"

},

{

"key": "Currency",

"value": "GBP",

"type": "text"

},

{

"key": "Reference",

"value": "Payment",

"type": "text"

},

{

"key": "Purpose",

"value": "",

"type": "text"

},

{

"key": "Status",

"value": "processed",

"type": "text"

},

{

"key": "RequestDate",

"value": "2021/12/01",

"type": "text"

},

{

"key": "PaymentDate",

"value": "2021/12/01",

"type": "text"

},

{

"key": "MemberDealId",

"value": "jnl168131",

"type": "text"

},

{

"key": "PaymentDealId",

"value": "jnl168462",

"type": "text"

},

{

"key": "PaymentType",

"value": "bank",

"type": "text"

},

{

"key": "BankTransferType",

"value": "Faster Payments",

"type": "text"

},

{

"key": "Description",

"value": "Riz global services ltd",

"type": "text"

},

{

"key": "BeneficiaryName",

"value": "GGbbb",

"type": "text"

},

{

"key": "BeneficiaryReference",

"value": "",

"type": "text"

},

{

"key": "AccountName",

"value": "Riz global services",

"type": "text"

},

{

"key": "BankName",

"value": "",

"type": "text"

},

{

"key": "BankAddress",

"value": "",

"type": "text"

},

{

"key": "AccountNumber",

"value": "80189189",

"type": "text"

},

{

"key": "SortCode",

"value": "404365",

"type": "text"

},

{

"key": "BankCountry",

"value": "GB",

"type": "text"

},

{

"key": "Swift",

"value": "",

"type": "text"

},

{

"key": "AccountType",

"value": "",

"type": "text"

},

{

"key": "BankCode",

"value": "",

"type": "text"

},

{

"key": "BankKey",

"value": "",

"type": "text"

},

{

"key": "HoldingBranch",

"value": "",

"type": "text"

},

{

"key": "BranchCode",

"value": "",

"type": "text"

},

{

"key": "Bic",

"value": "",

"type": "text"

},

{

"key": "Iban",

"value": "",

"type": "text"

},

{

"key": "Ubi",

"value": "2359",

"type": "text"

},

{

"key": "SenderTitle",

"value": "Ms",

"type": "text"

},

{

"key": "SenderFname",

"value": "Komal",

"type": "text"

},

{

"key": "SenderLname",

"value": "HUSSAIN",

"type": "text"

},

{

"key": "SenderCompany",

"value": "AL RAFIQ REMITTANCE & TRAVELS LTD",

"type": "text"

},

{

"key": "SenderAddress1",

"value": "80 Ilford Lane",

"type": "text"

},

{

"key": "SenderAddress2",

"value": "",

"type": "text"

},

{

"key": "SenderTown",

"value": "Ilford",

"type": "text"

},

{

"key": "SenderCounty",

"value": "Essex",

"type": "text"

},

{

"key": "SenderPostcode",

"value": "IG1 2LA",

"type": "text"

},

{

"key": "SenderCountry",

"value": "GB",

"type": "text"

},

{

"key": "SenderTelephone",

"value": "",

"type": "text"

},

{

"key": "SenderFax",

"value": "",

"type": "text"

},

{

"key": "SenderEmail",

"value": "INFO@ALRFAIQ.CO.UK",

"type": "text"

},

{

"key": "SenderGender",

"value": "",

"type": "text"

},

{

"key": "SenderDob",

"value": "",

"type": "text"

},

{

"key": "SenderIdType1",

"value": "",

"type": "text"

},

{

"key": "SenderIdNumber1",

"value": "",

"type": "text"

},

{

"key": "SenderIdType2",

"value": "",

"type": "text"

},

{

"key": "SenderIdNumber2",

"value": "",

"type": "text"

},

{

"key": "SenderAccount",

"value": "GB76CLRB04065800001372",

"type": "text"

},

{

"key": "SenderAccountId",

"value": "FGV448014589",

"type": "text"

},

{

"key": "Nostro\_Account\_ID",

"value": "",

"type": "text"

},

{

"key": "Nostro\_Account\_Name",

"value": "",

"type": "text"

},

{

"key": "ReceiverTitle",

"value": "",

"type": "text"

},

{

"key": "ReceiverFname",

"value": "KOMAL",

"type": "text"

},

{

"key": "ReceiverLname",

"value": "HUSSAIN",

"type": "text"

},

{

"key": "ReceiverCompany",

"value": "",

"type": "text"

},

{

"key": "ReceiverAddress1",

"value": "",

"type": "text"

},

{

"key": "ReceiverAddress2",

"value": "",

"type": "text"

},

{

"key": "ReceiverAddress3",

"value": "",

"type": "text"

},

{

"key": "ReceiverTown",

"value": "",

"type": "text"

},

{

"key": "ReceiverCounty",

"value": "",

"type": "text"

},

{

"key": "ReceiverPostcode",

"value": "",

"type": "text"

},

{

"key": "ReceiverCountry",

"value": "",

"type": "text"

},

{

"key": "ReceiverTelephone",

"value": "",

"type": "text"

},

{

"key": "ReceiverMobile",

"value": "",

"type": "text"

},

{

"key": "ReceiverFax",

"value": "",

"type": "text"

},

{

"key": "ReceiverEmail",

"value": "",

"type": "text"

},

{

"key": "ReceiverGender",

"value": "",

"type": "text"

},

{

"key": "ReceiverDob",

"value": "",

"type": "text"

},

{

"key": "ReceiverIdType1",

"value": "",

"type": "text"

},

{

"key": "ReceiverIdNumber1",

"value": "",

"type": "text"

},

{

"key": "ReceiverIdType2",

"value": "",

"type": "text"

},

{

"key": "ReceiverIdNumber2",

"value": "",

"type": "text"

}

]

},

**Request Response in Case of Flag Transaction:**

{

    "myComplianceList": [

        {

            "score": 50,

            "rule": "Customer last 1 attempts amount average is 150 percentage higher than attempted average minus last attempts."

        },

        {

            "score": 50,

            "rule": "2.Beneficiary accumulates £15000 payouts volume in 7 days"

        }

    ],

    "message": "Flagged Transaction!",

    "statusCode": "200",

    "totalScore": 100,

    "isFlagged": true

}

**Request Sample of Payment Type Deposit:**

{

"Endpoint": "https://www.fgcerpdev.com/api/Transaction/PostTransaction",

"request": {

"method": "POST",

"header": [],

"body": {

"mode": "formdata",

"formdata": [

{

"key": "Username",

"value": "jsmith@gmail.com",

"type": "text"

},

{

"key": "Password",

"value": "admin",

"type": "text"

},

{

"key": "SecretKey",

"value": "NDEqNzc5YTQ3NjktMzk3MC00ZTE0LWJlMWYtNTU2NzNjMjQ2NjU0",

"type": "text"

},

{

"key": "AppID",

"value": "FGCApp",

"type": "text"

},

{

"key": "ClientCert",

"type": "file",

src": "/C:/Users/Hp/Downloads/FGC-trusek\_APIUser.pfx"

},

{

"key": "TransactionID",

"value": "18051",

"type": "text"

},

{

"key": "TransactionType",

"value": "Deposit",

"type": "text"

},

{

"key": "Suspense\_Deal\_ID",

"value": "",

"type": "text"

},

{

"key": "Amount",

"value": "100",

"type": "text"

},

{

"key": "Currency",

"value": "GBP",

"type": "text"

},

{

"key": "Reference",

"value": "Payment",

"type": "text"

},

{

"key": "Purpose",

"value": "",

"type": "text"

},

{

"key": "Status",

"value": "processed",

"type": "text"

},

{

"key": "RequestDate",

"value": "2021/11/30",

"type": "text"

},

{

"key": "PaymentDate",

"value": "2021/11/30",

"type": "text"

},

{

"key": "MemberDealId",

"value": "jnl179426\n",

"type": "text"

},

{

"key": "PaymentDealId",

"value": "jnl168462",

"type": "text"

},

{

"key": "PaymentType",

"value": "bank",

"type": "text"

},

{

"key": "BankTransferType",

"value": "FasterPayments\n",

"type": "text"

},

{

"key": "Description",

"value": "Riz global services ltd",

"type": "text"

},

{

"key": "BeneficiaryName",

"value": "ZAMAN Z",

"type": "text"

},

{

"key": "BeneficiaryReference",

"value": "",

"type": "text"

},

{

"key": "AccountName",

"value": "ZAMAN Z\n",

"type": "text"

},

{

"key": "BankName",

"value": "BARCLAYS BANK UK PLC\n",

"type": "text"

},

{

"key": "BankAddress",

"value": "",

"type": "text"

},

{

"key": "AccountNumber",

"value": "",

"type": "text"

},

{

"key": "SortCode",

"value": "404365",

"type": "text"

},

{

"key": "BankCountry",

"value": "GB",

"type": "text"

},

{

"key": "Swift",

"value": "",

"type": "text"

},

{

"key": "AccountType",

"value": "",

"type": "text"

},

{

"key": "BankCode",

"value": "",

"type": "text"

},

{

"key": "BankKey",

"value": "",

"type": "text"

},

{

"key": "HoldingBranch",

"value": "",

"type": "text"

},

{

"key": "BranchCode",

"value": "",

"type": "text"

},

{

"key": "Bic",

"value": "",

"type": "text"

},

{

"key": "Iban",

"value": "GB81BUKB20118163030717",

"type": "text"

},

{

"key": "Ubi",

"value": "0",

"type": "text"

},

{

"key": "SenderTitle",

"value": "",

"type": "text"

},

{

"key": "SenderFname",

"value": "",

"type": "text"

},

{

"key": "SenderLname",

"value": "",

"type": "text"

},

{

"key": "SenderCompany",

"value": "Easy Send",

"type": "text"

},

{

"key": "SenderAddress1",

"value": "",

"type": "text"

},

{

"key": "SenderAddress2",

"value": "",

"type": "text"

},

{

"key": "SenderTown",

"value": "",

"type": "text"

},

{

"key": "SenderCounty",

"value": "",

"type": "text"

},

{

"key": "SenderPostcode",

"value": "",

"type": "text"

},

{

"key": "SenderCountry",

"value": "",

"type": "text"

},

{

"key": "SenderTelephone",

"value": "",

"type": "text"

},

{

"key": "SenderFax",

"value": "",

"type": "text"

},

{

"key": "SenderEmail",

"value": "",

"type": "text"

},

{

"key": "SenderGender",

"value": "",

"type": "text"

},

{

"key": "SenderDob",

"value": "",

"type": "text"

},

{

"key": "SenderIdType1",

"value": "",

"type": "text"

},

{

"key": "SenderIdNumber1",

"value": "",

"type": "text"

},

{

"key": "SenderIdType2",

"value": "",

"type": "text"

},

{

"key": "SenderIdNumber2",

"value": "",

"type": "text"

},

{

"key": "SenderAccount",

"value": "GB76CLRB04065800001372",

"type": "text"

},

{

"key": "SenderAccountId",

"value": "FGV448014589",

"type": "text"

},

{

"key": "NostroAccountID",

"value": "FGF212800000",

"type": "text"

},

{

"key": "NostroAccountName",

"value": "NEC MONEY TRANSFER LIMITED ClearBank ",

"type": "text"

},

{

"key": "ReceiverTitle",

"value": "",

"type": "text"

},

{

"key": "ReceiverFname",

"value": "",

"type": "text"

},

{

"key": "ReceiverLname",

"value": "",

"type": "text"

},

{

"key": "ReceiverCompany",

"value": "",

"type": "text"

},

{

"key": "ReceiverAddress1",

"value": "",

"type": "text"

},

{

"key": "ReceiverAddress2",

"value": "",

"type": "text"

},

{

"key": "ReceiverAddress3",

"value": "",

"type": "text"

},

{

"key": "ReceiverTown",

"value": "",

"type": "text"

},

{

"key": "ReceiverCounty",

"value": "",

"type": "text"

},

{

"key": "ReceiverPostcode",

"value": "",

"type": "text"

},

{

"key": "ReceiverCountry",

"value": "",

"type": "text"

},

{

"key": "ReceiverTelephone",

"value": "",

"type": "text"

},

{

"key": "ReceiverMobile",

"value": "",

"type": "text"

},

{

"key": "ReceiverFax",

"value": "",

"type": "text"

},

{

"key": "ReceiverEmail",

"value": "",

"type": "text"

},

{

"key": "ReceiverGender",

"value": "",

"type": "text"

},

{

"key": "ReceiverDob",

"value": "",

"type": "text"

},

{

"key": "ReceiverIdType1",

"value": "",

"type": "text"

},

{

"key": "ReceiverIdNumber1",

"value": "",

"type": "text"

},

{

"key": "ReceiverIdType2",

"value": "",

"type": "text"

},

{

"key": "ReceiverIdNumber2",

"value": "",

"type": "text"

}

]

},

Response :

{

    "myComplianceList": [],

    "message": "Non Flagged Transaction!",

    "statusCode": "200",

    "totalScore": 0,

    "isFlagged": **false**

}