**FGC Compliance Main API**

End Point: <https://www.fgcerpdev.com/api/Transaction/PostTransaction>

Method: POST

Mode: Form Data

Content-Type: multipart/form-data;

Sample Request & Response formats are given at the end

**User/Client Authentication fields in the API request:**

1. Username / Password

2. Secret key

3. Certificate

4. APPID

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

Username and password for live will be provided later. For demo testing

Username: 101010101

Password: password

**2. Secret key:**

Secret Key is derived field which is made of the Base64 string of the transaction counter concatenated with the Auth Key. (Auth Key is provided below)

Example

Secret Key for:

**Transaction counter**: 10  
**Auth key**: 779a4769-3970-4e14-be1f-55673c246654

Would be:

Secret Key: **MTA3NzlhNDc2OS0zOTcwLTRlMTQtYmUxZi01NTY3M2MyNDY2NTQ=**

**3. Certificate:**

You will be provided client certificate. This certificate will be stored on the server and will be sent with each request.

**4. APPID:**Can be anything you like but it should be kept the same for all transactions. For Demo APPID will be **FGCApp**

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**Explanation of some request parameters:**   
**Transaction Type**: It can be **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.

**Sample Request Code (C#)**

var client = new RestClient("https://www.fgcerpdev.com/api/Transaction/PostTransaction");

client.Timeout = -1;

var request = new RestRequest(Method.POST);

request.AddParameter("Username", "101010101");

request.AddParameter("Password", "password ");

request.AddParameter(“Counter”, “10”);

request.AddParameter("SecretKey", " **MTA3NzlhNDc2OS0zOTcwLTRlMTQtYmUxZi01NTY3M2MyNDY2NTQ=** ");

request.AddParameter("AppID", "FGCApp");

request.AddFile("ClientCert", "/C:/Users/Hp/Downloads/FGC-trusek\_APIUser.pfx");

request.AddParameter("TransactionID", "18050");

request.AddParameter ("TransactionType", "Payment");

request.AddParameter ("Suspense\_Deal\_ID", "");

request.AddParameter("Amount", "11100");

request.AddParameter("Currency", "GBP");

request.AddParameter("Reference", "Payment");

request.AddParameter("Purpose", "");

request.AddParameter("Status", "processed");

request.AddParameter("RequestDate", "2021/12/01");

request.AddParameter("PaymentDate", "2021/12/01");

request.AddParameter("MemberDealId", "jnl168131");

request.AddParameter("PaymentDealId", "jnl168462");

request.AddParameter("PaymentType", "bank");

request.AddParameter("BankTransferType", "Faster Payments");

request.AddParameter("Description", "Riz global services ltd");

request.AddParameter("BeneficiaryName", "GGbbb");

request.AddParameter("BeneficiaryReference", "");

request.AddParameter("AccountName", "Riz global services");

request.AddParameter("BankName", "");

request.AddParameter("BankAddress", "");

request.AddParameter("AccountNumber", "80189189");

request.AddParameter("SortCode", "404365");

request.AddParameter("BankCountry", "GB");

request.AddParameter("Swift", "");

request.AddParameter("AccountType", "");

request.AddParameter("BankCode", "");

request.AddParameter("BankKey", "");

request.AddParameter("HoldingBranch", "");

request.AddParameter("BranchCode", "");

request.AddParameter("Bic", "");

request.AddParameter("Iban", "");

request.AddParameter("Ubi", "2359");

request.AddParameter("SenderTitle", "Ms");

request.AddParameter("SenderFname", "Komal");

request.AddParameter("SenderLname", "HUSSAIN");

request.AddParameter("SenderCompany", "AL RAFIQ REMITTANCE & TRAVELS LTD");

request.AddParameter("SenderAddress1", "80 Ilford Lane");

request.AddParameter("SenderAddress2", "");

request.AddParameter("SenderTown", "Ilford");

request.AddParameter("SenderCounty", "Essex");

request.AddParameter("SenderPostcode", "IG1 2LA");

request.AddParameter("SenderCountry", "GB");

request.AddParameter("SenderTelephone", "");

request.AddParameter("SenderFax", "");

request.AddParameter("SenderEmail", "INFO@ALRFAIQ.CO.UK");

request.AddParameter("SenderGender", "");

request.AddParameter("SenderDob", "");

request.AddParameter("SenderIdType1", "");

request.AddParameter("SenderIdNumber1", "");

request.AddParameter("SenderIdType2", "");

request.AddParameter("SenderIdNumber2", "");

request.AddParameter("SenderAccount", "GB76CLRB04065800001372");

request.AddParameter("SenderAccountId", "FGV448014589");

request.AddParameter("Nostro\_Account\_ID", "");

request.AddParameter("Nostro\_Account\_Name", "");

request.AddParameter("ReceiverTitle", "");

request.AddParameter("ReceiverFname", "KOMAL");

request.AddParameter("ReceiverLname", "HUSSAIN");

request.AddParameter("ReceiverCompany", "");

request.AddParameter("ReceiverAddress1", "");

request.AddParameter("ReceiverAddress2", "");

request.AddParameter("ReceiverAddress3", "");

request.AddParameter("ReceiverTown", "");

request.AddParameter("ReceiverCounty", "");

request.AddParameter("ReceiverPostcode", "");

request.AddParameter("ReceiverCountry", "");

request.AddParameter("ReceiverTelephone", "");

request.AddParameter("ReceiverMobile", "");

request.AddParameter("ReceiverFax", "");

request.AddParameter("ReceiverEmail", "");

request.AddParameter("ReceiverGender", "");

request.AddParameter("ReceiverDob", "");

request.AddParameter("ReceiverIdType1", "");

request.AddParameter("ReceiverIdNumber1", "");

request.AddParameter("ReceiverIdType2", "");

request.AddParameter("ReceiverIdNumber2", "");

IRestResponse response = client.Execute(request);

**Sample Request Code (PHP Curl)**

<?php

$curl = curl\_init ();

curl\_setopt\_array ($curl, array (

CURLOPT\_URL => **'https: //www.fgcerpdev.com/api/Transaction/PostTransaction'**,

CURLOPT\_RETURNTRANSFER => true,

CURLOPT\_ENCODING => '',

CURLOPT\_MAXREDIRS => 10,

CURLOPT\_TIMEOUT => 0,

CURLOPT\_FOLLOWLOCATION => true,

CURLOPT\_HTTP\_VERSION => CURL\_HTTP\_VERSION\_1\_1,

CURLOPT\_CUSTOMREQUEST => 'POST',

CURLOPT\_POSTFIELDS => array('Username' => '101010101','Password' => 'password', ‘Counter’ => ‘10’,'SecretKey' => 'MTA3NzlhNDc2OS0zOTcwLTRlMTQtYmUxZi01NTY3M2MyNDY2NTQ=

','AppID' => 'FGCApp','ClientCert'=> new CURLFILE('/C:/Users/Hp/Downloads/FGC-trusek\_APIUser.pfx'),'TransactionID' => '18050','TransactionType' => 'Payment','Suspense\_Deal\_ID' => '','Amount' => '11100','Currency' => 'GBP','Reference' => 'Payment','Purpose' => '','Status' => 'processed','RequestDate' => '2021/12/01','PaymentDate' => '2021/12/01','MemberDealId' => 'jnl168131','PaymentDealId' => 'jnl168462','PaymentType' => 'bank','BankTransferType' => 'Faster Payments','Description' => 'Riz global services ltd','BeneficiaryName' => 'GGbbb','BeneficiaryReference' => '','AccountName' => 'Riz global services','BankName' => '','BankAddress' => '','AccountNumber' => '80189189','SortCode' => '404365','BankCountry' => 'GB','Swift' => '','AccountType' => '','BankCode' => '','BankKey' => '','HoldingBranch' => '','BranchCode' => '','Bic' => '','Iban' => '','Ubi' => '2359','SenderTitle' => 'Ms','SenderFname' => 'Komal','SenderLname' => 'HUSSAIN','SenderCompany' => 'AL RAFIQ REMITTANCE & TRAVELS LTD','SenderAddress1' => '80 Ilford Lane','SenderAddress2' => '','SenderTown' => 'Ilford','SenderCounty' => 'Essex','SenderPostcode' => 'IG1 2LA','SenderCountry' => 'GB','SenderTelephone' => '','SenderFax' => '','SenderEmail' => 'INFO@ALRFAIQ.CO.UK','SenderGender' => '','SenderDob' => '','SenderIdType1' => '','SenderIdNumber1' => '','SenderIdType2' => '','SenderIdNumber2' => '','SenderAccount' => 'GB76CLRB04065800001372','SenderAccountId' => 'FGV448014589','Nostro\_Account\_ID' => '','Nostro\_Account\_Name' => '','ReceiverTitle' => '','ReceiverFname' => 'KOMAL','ReceiverLname' => 'HUSSAIN','ReceiverCompany' => '','ReceiverAddress1' => '','ReceiverAddress2' => '','ReceiverAddress3' => '','ReceiverTown' => '','ReceiverCounty' => '','ReceiverPostcode' => '','ReceiverCountry' => '','ReceiverTelephone' => '','ReceiverMobile' => '','ReceiverFax' => '','ReceiverEmail' => '','ReceiverGender' => '','ReceiverDob' => '','ReceiverIdType1' => '','ReceiverIdNumber1' => '','ReceiverIdType2' => '','ReceiverIdNumber2' => ''),

));

$response = curl\_exec($curl);

curl\_close($curl);

echo $response;

**JSON 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": "Beneficiary accumulates £15000 payouts volume in 7 days"

        }

    ],

    "message": "Flagged Transaction!",

    "statusCode": "200",

    "totalScore": 100,

    "isFlagged": true

}

**JSON Response in case of Non Flagged Transaction:**

{

    "myComplianceList": [],

    "message": "Non Flagged Transaction!",

    "statusCode": "200",

    "totalScore": 0,

    "isFlagged": false

}