

## Authentication

With each request, You must send an extra HTTP header, 'Authentication'

We suggest using JSON as the data transfer type, hence you should set the Content Type to application/json

All API requests must be made over HTTPS in POST format.

Example

```
Authentication: 0000:aBcdefgHijklmnopQrstuVwxyz0123456789Abcd
Content-Type: application/json
```

## AML Registration

This method will register a client with GCEN

Connection URL:

<https://app.gcen.co.uk/Api/AMLRegister>

## Request Parameters

Parameter	Values	Required
TitleId	E.g. Mr, Mrs, Dr etc. Max 4 characters	Yes
BirthDate	format: yyyy-MM-dd	Yes
PassportCountry	ISO 3166-1 alpha-2 country code format. E.g. GB, US, IT etc. Max 2 characters	Yes - If Used as ID
PassportNo	If sent, the auto AML check can verify the full 44-character passport number. Max 44 characters	Yes - If Used as ID
PassportExpiry	format: yyyy-MM-dd	Yes - If Used as ID
DrivingLicenceNumber	UK Driving Licence. Max 50 characters	No
LastName	Max 50 characters	Yes
FirstName	Max 50 characters	Yes
MiddleName	Max 50 characters	No
CompanyName	To register a corpportate client, pass the company name. Max 100 characters	Yes - If Corpportate Client
EmailAddress	Max 100 characters	Yes
Please provide at least one of FlatNo, AddressName or AddressNo. Please note that you may include FlatNo with either AddressName or AddressNo		
FlatNo	Max 50 characters	Conditionally Required
AddressNo	Max 50 characters	Conditionally Required
AddressName	Max 50 characters	Conditionally Required
AddressLine1	Max 150 characters	Yes

AddressLine2	Max 150 characters	No
AddressLine3	Max 150 characters	No
TownCity	Max 30 characters	Yes
CountyRegion	Max 30 characters	Yes
Postcode	Max 10 characters	Yes
CountryId	ISO 3166-1 alpha-2 country code format. E.g. GB, US, IT etc. Max 2 characters	Yes
Telephone	Max 20 characters	Yes
Mobile	Max 20 characters	No
Fax	Max 20 characters	No
MMaidenName	Mothers Maiden Name. Max 50 characters	No
BirthPlace	Place of Birth. Max 50 characters	No
NationalIdNumber	Optionally pass the client's national identity document number. This is not currently passed to the auto-AML provider, but stores it on GCEN's systems for manual AML checking. Max 20 characters	No
PerformAML	bool true or false. Optional to perform an AML check	No
SourceOfFunds	The description of where the funds are originated from. Max 1000 characters	No
CustomField1	Optional field to store information against the client. Max 250 characters	No
CustomField2	Optional field to store information against the client. Max 250 characters	No
CustomField3	Optional field to store information against the client. Max 250 characters	No
CustomField4	Optional field to store information against the client. Max 250 characters	No

### Request Example

```

$key = "0000:aBcdefgHijklmnopQrstuVwxyz0123456789Abcd";
$post = array(
    'TitleId' => 'Mr',
    'BirthDate'=> '1990-07-13',
    'LastName'=> 'Smith',
    'FirstName'=> 'John',
    'EmailAddress' => 'johnsmith@gcen.co.uk',
    'AddressName' => 'The Old Barn',
    'AddressLine1' => 'The Oats Business Village',
    'AddressLine2' => 'Red Hill',
    'TownCity' => 'Waterringbury',
    'CountyRegion' => 'Kent',
    'Postcode' => 'ME18 5NN',
    'CountryId' => 'GB',
    'Telephone'=> '01622 816940',
    'MMaidenName' => 'maiden',
    'BirthPlace' => 'far'
);

$ch = curl_init('https://app.gcen.co.uk/Api/AMLRegister');
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);
curl_setopt($ch, CURLOPT_HEADER, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER,
array("Authentication: $key"));
curl_setopt($ch, CURLINFO_HEADER_OUT, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER, array('Content-Type: text/json'));
curl_setopt($ch, CURLOPT_POST,1);
curl_setopt($ch, CURLOPT_POSTFIELDS, $post);
$result = curl_exec($ch);
curl_close($ch);

```



## Example Response

```
{
  "StatusId": 0,
  "Success": true,
  "ReturnObject": null,
  "Message": "Document information uploaded successfully; Passport information
updated; Passed Smartsearch check;"
}
```

## Find Client

This method will return an array of clients registered under your account based on the provided parameters. Each client result returns the status of the eKYC and also GCEN's required Due Diligence Checks. Provide the 'ClientId' or a selection of search parameters.

### Connection URL:

<https://app.gcen.co.uk/Api/FindClient>

### Request Parameters

Parameter	Values	Required
ClientId	E.g. 100	No
TitleId	E.g. Mr, Mrs, Dr etc. Max 4 characters	No
BirthDate	format: yyyy-MM-dd	No
PassportCountry	ISO 3166-1 alpha-2 country code format. E.g. GB, US, IT etc. Max 2 characters	No
PassportNo	String. Max 44 characters	No
CountryId	ISO 3166-1 alpha-2 country code format. E.g. GB, US, IT etc. Max 2 characters	No
Postcode	Max 10 characters	No
LastName	Max 50 characters	No
FirstName	Max 50 characters	No
Mobile	Max 20 characters	No
EmailAddress	Max 100 characters	No
AddressLine1	i.e. Street name. Max 150 characters	No
AddressLine2	Max 150 characters	No
AddressLine3	Max 150 characters	No
TownCity	Max 30 characters	No
CountyRegion	Max 30 characters	No
Telephone	Max 20 characters	No

## Request Example

```
$key = "0000:aBcdefgHijklmnopQrstuVwxyz0123456789Abcd";
$post = array(
    'LastName'=> 'smith'
);

$ch = curl_init('https://app.gcen.co.uk/Api/FindClient');
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);
curl_setopt($ch, CURLOPT_HEADER, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER,
array("Authentication: $key"));
curl_setopt($ch, CURLINFO_HEADER_OUT, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER, array('Content-Type: text/json'));
curl_setopt($ch, CURLOPT_POST, 1);
curl_setopt($ch, CURLOPT_POSTFIELDS, $post);
$result = curl_exec($ch);
curl_close($ch);
```

## Example Response

```
{
  "StatusId": 0,
  "Success": true,
  "ReturnObject": [{
    "ClientId": 100,
    "KYCPassed": false,
    "eKYCPassed": false
  }],
  "Message": ""
}
```

## Upload Documentation

This method allows you to send GCEN the client's Id documents for them to verify and confirm the identity of the client.

N.B.: As JSON does not support binary, the request content type should be multipart/form-data instead of application/json

Supported file types are image/gif, image/jpeg, image/pjpeg, image/png, image/bmp, application/pdf

### Connection URL:

<https://app.gcen.co.uk/Api/UploadIdDocuments>

### Request Parameters

Parameter	Values	Required
ClientId	Integer	Yes
Document1	File	Yes
Document2	File	No

## Request Example

```
$key = "0000:aBcdefgHijklmnopQrstuVwxyz0123456789Abcd";
$post = array(
'ClientId'=> '101',
'Document1'=> '@' . realpath('./images/document.jpg') . ';type=image/jpeg'
);

$ch = curl_init('https://app.gcen.co.uk/Api/UploadIdDocuments');
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);
curl_setopt($ch, CURLOPT_HEADER, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER,
array("Authentication: $key"));
curl_setopt($ch, CURLOPTINFO_HEADER_OUT, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER, array('Content-Type: text/json'));
curl_setopt($ch, CURLOPT_POST, 1);
curl_setopt($ch, CURLOPT_POSTFIELDS, $post);
$result = curl_exec($ch);
curl_close($ch);
```

## Example Response

```
{
  "StatusId": 0,
  "Success": true,
  "ReturnObject": null,
  "Message": ""
}
```

## GCS Balance

This method will return the GCS balance for a given client's currency

### Connection URL:

<https://app.gcen.co.uk/Api/GCSBalance>

### Request Parameters

Parameter	Values	Required
ClientId	Integer	Yes
Currency	Currency code as specified in ISO 4217.	Yes

## Request Example

```
$key = "0000:aBcdefgHijklmnopQrstuVwxyz0123456789Abcd";
$post = array(
'ClientId'=> '101',
'Currency'=> 'GBP'
);

$ch = curl_init('https://app.gcen.co.uk/Api/GCSBalance');
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);
curl_setopt($ch, CURLOPT_HEADER, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER,
array("Authentication: $key"));
curl_setopt($ch, CURLOPTINFO_HEADER_OUT, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER, array('Content-Type: text/json'));
curl_setopt($ch, CURLOPT_POST, 1);
curl_setopt($ch, CURLOPT_POSTFIELDS, $post);
$result = curl_exec($ch);
curl_close($ch);
```

## Example Response

```
{
"StatusId": 0,
"Success": true,
"ReturnObject": 250,
"Message": ""
}
```

## GCS Balance Logs

This method will return an array of balance logs for a given client.

### Connection URL:

<https://app.gcen.co.uk/Api/GCSBalanceLog/{ClientId}>

### Request Parameters

Parameter	Values	Required
StartDate	Format: yyyy-MM-dd	No
EndDate	Format: yyyy-MM-dd	No

## Request Example

```
$key = "0000:aBcdefgHijklmnopQrstuVwxyz0123456789Abcd";
$post = array(
'StartDate'=> '2018-01-01'
);

$ch = curl_init('https://app.gcen.co.uk/Api/GCSBalanceLog/101');
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);
curl_setopt($ch, CURLOPT_HEADER, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER,
array("Authentication: $key"));
curl_setopt($ch, CURLOPT_HEADER_OUT, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER, array('Content-Type: text/json'));
curl_setopt($ch, CURLOPT_POST, 1);
curl_setopt($ch, CURLOPT_POSTFIELDS, $post);
$result = curl_exec($ch);
curl_close($ch);
```

## Example Response

```
{
  "StatusId": 0,
  "Success": true,
  "ReturnObject": [{
    AgentId: 0000,
    ClientId: 101,
    ClientIdFull: "0000-101",
    Amount: 500.12,
    AllocatedDate: "2018-01-01T10:23:23+00:00",
    Log: "0000-101-1",
    Currency: "GBP",
    Uncleared: false,
    StatementDate: "2018-01-01T10:23:23+00:00",
    Narrative: "My description of the payment"
  }],
  "Message": ""
}
```

## GCS Running Balance Logs

This method will return a running balance of balance logs for a given client between a start and end date.

### Connection URL:

<https://app.gcen.co.uk/Api/RunningGCSBalance>

### Request Parameters

Parameter	Values	Required
ClientId	Integer	Yes
Currency	Currency code as specified in ISO 4217	Yes
StartDate	Format: yyyy-MM-dd	Yes
EndDate	Format: yyyy-MM-dd	Yes



## Request Example

```
$key = "0000:aBcdefgHijklmnopQrstuVwxyz0123456789Abcd";
$post = array(
    'ClientId'=> '101',
    'Currency'=> 'GBP',
    'StartDate'=> '2018-01-01',
    'EndDate'=> '2018-01-02'
);

$ch = curl_init('https://app.gcen.co.uk/Api/RunningGCSBalance');
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);
curl_setopt($ch, CURLOPT_HEADER, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER,
    array("Authentication: $key"));
curl_setopt($ch, CURLINFO_HEADER_OUT, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER, array('Content-Type: text/json'));
curl_setopt($ch, CURLOPT_POST, 1);
curl_setopt($ch, CURLOPT_POSTFIELDS, $post);
$result = curl_exec($ch);
curl_close($ch);
```

## Example Response

```
{
  "StatusId": 0,
  "Success": true,
  "ReturnObject": [{
    ClientId: 101,
    Currency: "GBP",
    StartDate: "2018-01-01",
    EndDate: "2018-01-02",
    StartBalance: 1000,
    EndBalance: 4000
    "BalanceLog": [{
      AgentId: 0000,
      ClientId: 101,
      ClientIdFull: "0000-101",
      Amount: 1000,
      Balance: 2000,
      AllocatedDate: "2018-01-01T09:48:29+01:00",
      Log: "Manual Credit",
      Currency: "GBP",
      Uncleared: false,
      StatementDate: "2018-01-01T09:48:29+01:00",
      Narrative : "A Description of payment"
    },
    {
      AgentId: 0000,
      ClientId: 101,
      ClientIdFull: "0000-101",
      Amount: 2000,
      Balance: 4000,
      AllocatedDate: "2018-01-01T12:14:17+01:00",
      Log: "Manual Credit",
      Currency: "GBP",
      Uncleared: false,
      StatementDate: "2018-01-01T12:14:17+01:00",
      Narrative : "A Description of payment"
    }
  ]
},
  "Message": ""
}
```

## GCS Balance Transfer

Instructs GCEN to move money from one GCS client balance to another. Internally, GCEN creates a virtual deal for the "FromClient". Money is moved from the "FromClient" balance to the virtual deal, and money is moved from the virtual deal to the "ToClient" balance.

### Connection URL:

<https://app.gcen.co.uk/Api/GCSBalanceTransfer>

### Request Parameters

Parameter	Values	Required
FromClientId	Integer	Yes
ToClientId	Integer	Yes
Currency	Currency code as specified in ISO 4217	Yes
Amount	Format: d.dd	Yes
Narrative	Description of the payment	No

## Request Example

```
$key = "0000:aBcdefgHijklmnopQrstuVwxyz0123456789Abcd";
$post = array(
    'FromClientId'=> '101',
    'ToClientId'=> '102',
    'Currency'=> 'GBP',
    'Amount'=> '100.00',
    'Narrative'=> 'Test Payment'
);

$ch = curl_init('https://app.gcen.co.uk/Api/GCSBalanceTransfer');
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);
curl_setopt($ch, CURLOPT_HEADER, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER,
    array("Authentication: $key"));
curl_setopt($ch, CURLOPTINFO_HEADER_OUT, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER, array('Content-Type: text/json'));
curl_setopt($ch, CURLOPT_POST, 1);
curl_setopt($ch, CURLOPT_POSTFIELDS, $post);
$result = curl_exec($ch);
curl_close($ch);
```

## Example Response

```
{
    "StatusId": 0,
    "Success": true,
    "ReturnObject": "0000-101-1",
    "Message": ""
}
```

## **Payment return from balance**

Instructs GCEN to make a payment out using one of the clients' GCS balances.

### Connection URL:

<https://app.gcen.co.uk/Api/PaymentReturnFromGCSBalance>

### Request Parameters

Parameter	Values	Required
ClientId	Integer	Yes
Payment	Array of payment details	Yes
- AccountNumber	Part if the Payment array. IBAN or account number	Yes
- BankCode	Part if the Payment array. Swift code / Sort code / Branch code	Yes
- Currency	Part if the Payment array. Currency code as specified in ISO 4217	Yes
- Amount	Part if the Payment array. Format: d.dd	Yes
- BeneName	Part if the Payment array. Beneficiary's account name	Yes
- BeneRef1	Part if the Payment array. Reference that will appear on the beneficiary's statement	No

- BeneRef2	Part if the Payment array. Extra references. Only applicable for international payments	No
- BeneRef3	Part if the Payment array. Extra references. Only applicable for international payments	No
- BeneRef4	Part if the Payment array. Extra references. Only applicable for international payments	No
- IntermediaryAccount	Part if the Payment array. Intermediary swift code. Optionally applicable for international payments	No
- CountryCode	Part if the Payment array. Country code of the beneficiary's bank, ISO 3166-1 alpha-2 country code format. E.g. GB, US, IT etc. Max 2 characters	Yes
Narrative	Description of the Payment	No

### Request Example

```

$key = "0000:aBcdefgHijklmnopQrstuVwxyz0123456789Abcd";
$post = array(
  'ClientId'=> '101',
  'Payment'=> array(
    'AccountNumber'=> '00000000',
    'BankCode'=> '000000',
    'Currency'=> 'GBP',
    'Amount'=> '100.00',
    'BeneName'=> 'Jane Smith',
    'BeneRef1'=> 'Payment from John Smith',
    'CountryCode'=> 'GB'
  )
);

$ch = curl_init('https://app.gcen.co.uk/Api/PaymentReturnFromGCSBalance');
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);
curl_setopt($ch, CURLOPT_HEADER, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER,
array("Authentication: $key"));
curl_setopt($ch, CURLINFO_HEADER_OUT, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER, array('Content-Type: text/json'));
curl_setopt($ch, CURLOPT_POST, 1);
curl_setopt($ch, CURLOPT_POSTFIELDS, $post);
$result = curl_exec($ch);
curl_close($ch);

```

### Example Response

```

{
  "StatusId": 0,
  "Success": true,
  "ReturnObject": "0000-101-1",
  "Message": ""
}

```

*StatusId of '10' indicates that the client is over their annual turnover limit and extended client due diligence should be done.*

## Card Payment Deposit

Make an investment/deposit by debit card.

Once funds have been received by GCEN and the Due Diligence checks have been completed, the money will be moved to the specified ToClientId's GCS Balance.

### Connection URL:

<https://app.gcen.co.uk/Api/CardPayment>

### Request Parameters

Parameter	Values	Required
ClientId	Integer	Yes
ToClientId	By default, this will be 100	No
You may use this to e.g. define the SPV account of an investment or the investor's account ClientId		
Currency	Currency code as specified in ISO 4217	Yes
Amount	Format: d.dd	Yes
ReturnUrl	The page you want the user redirected to once payment is complete	Yes
PaymentType	1 - Visa (credit) 3 - MasterCard (credit) 114 - Visa (debit) 117 - Maestro (debit) 119 - MasterCard (debit) 122 - Visa Electron(debit)	Yes
Note that Credit card payments, or payments made in a non-GBP currency incur a 3% charge		
Name	Name on the card holder	Yes
Address1	Billing address	Yes
Address2	Billing address	Yes
PostCode	Billing address	Yes
CountryCode	Billing address. ISO 3166-1 alpha-2 country code format. E.g. GB, US, IT etc.	Yes
Language	Lower-case ISO 639 two-character language code. Exceptions are: Chinese, simplified - sc Chinese, traditional - tc Czech (legacy) - cz Polish (legacy) - po	No
OrderDescription	A description of the order being placed	No
Narrative	A description of the order being placed, displayed on the resulting GCS Balance	No

## Request Example

```
$key = "0000:aBcdefgHijklmnopQrstuVwxyz0123456789Abcd";
$post = array(
    'ClientId'=> '101',
    'Currency'=> 'GBP',
    'Amount'=> '100.00',
    'ReturnUrl'=> 'https://gcn.co.uk/',
    'PaymentType'=> '114',
    'Name'=> 'Mr John Smith',
    'Address1'=> 'The Old Barn',
    'Address2'=> 'The Oats Business Village',
    'PostCode'=> 'ME18 5NN',
    'CountryCode'=> 'GB'
);

$ch = curl_init('https://app.gcn.co.uk/Api/CardPayment');
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);
curl_setopt($ch, CURLOPT_HEADER, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER,
    array("Authentication: $key"));
curl_setopt($ch, CURLOPT_HEADER_OUT, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER, array('Content-Type: text/json'));
curl_setopt($ch, CURLOPT_POST, 1);
curl_setopt($ch, CURLOPT_POSTFIELDS, $post);
$result = curl_exec($ch);
curl_close($ch);
```

## Example Response

```
{
  "StatusId": 0,
  "Success": true,
  "ReturnObject": {
    "Amount": 500.00
    "PaymentUrl": "https://...",
    "DlCode": 2,
    "REF": "000050771100000787460000100001",
    "RETURNMAC": "/gPh1hPJ/7gwykLAK2IbDSfA9cY5M7/9HgMySJi9uPI="
  }
  "Message": ""
}
```

*Once payment is complete, the user will be redirected back your website (specified in ReturnURL). The REF and RETURNMAC will again be returned which you should make a note of in order to obtain the order status.*

*To check the status of the user's payment use the Card Payment Response API method*

### **Check Card Payment Response**

This method checks whether a card payment was authorised and payment was successfully taken.

#### Connection URL:

<https://app.gcn.co.uk/Api/CardPayment>

## Request Parameters

Parameter	Values	Required
REF	Integer	Yes
RETURNMAC	String	Yes

## Request Example

```
$key = "0000:aBcdefgHijklmnopQrstuVwxyz0123456789Abcd";
$post = array(
  'REF'=> '000050771100000787460000100001',
  'RETURNMAC'=> '/gPh1hPJ/7gwykLAK2IbDSfA9cY5M7/9HgMySJi9uPI='
);

$ch = curl_init('https://app.gcen.co.uk/Api/CardPayment');
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);
curl_setopt($ch, CURLOPT_HEADER, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER,
array("Authentication: $key"));
curl_setopt($ch, CURLOPTINFO_HEADER_OUT, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER, array('Content-Type: text/json'));
curl_setopt($ch, CURLOPT_POST, 1);
curl_setopt($ch, CURLOPT_POSTFIELDS, $post);
$result = curl_exec($ch);
curl_close($ch);
```

## Example Response

```
{
  "StatusId": 0,
  "Success": true,
  "ReturnObject": "0000-101-1",
  "Message": ""
}
```

*StatusId of '10' indicates that the client is over their annual turnover limit and extended client due diligence should be done.*

## Payment Messages

Status ID	Description
2002	Your payment could not be authorised. The usual cause is due to using incorrect card details. If, after verifying your details, the problem persists, please consider using a different card to try again.
2020	PENDING AT MERCHANT: The Hosted Merchant Link transaction is waiting for the consumer to be redirected by the merchant to WebCollect.
2025	PENDING AT GLOBALCOLLECT: The Hosted Merchant Link transaction is waiting for the consumer to enter missing data on the payment pages of GlobalCollect.
2030	PENDING AT GLOBALCOLLECT: The Hosted Merchant Link transaction is waiting for the consumer to be redirected by WebCollect to the payment pages of the bank (optionally after the completion of missing data).
2050	PENDING AT BANK: The payment request and consumer have been forwarded to the payment pages of the bank.

2055	PENDING AT CONSUMER: The consumer received all payment details to initiate the transaction. The consumer must go to the (bank) office to initiate the payment.
2060	NOT ENROLLED: The consumer is not enrolled for 3D Secure authentications.
2065	PENDING PAYMENT (CONSUMER AT BANK): The consumer is at an office to initiate a transaction. The status is used when the supplier polls the WebCollect database to verify if a payment on an order is (still) possible.

### **Bank transfer deposit**

Instructs GCEN of impending bank transfer deposit. Supplies the bank details and reference necessary.

Once funds have been received by GCEN and the Due Diligence checks have been completed, the money will be moved to the specified ToClientId's GCS Balance.

Please note that for all payments we cannot accept funds from BSI Bank Switzerland under instruction of our banking partner Santander

### **Connection URL:**

<https://app.gcen.co.uk/Api/InvestmentDeposit>

### **Request Parameters**

Parameter	Values	Required
ClientId	Integer	Yes
ToClientId	By default, this will be 100. You may use this to e.g. define the SPV account of an investment or the investor's account ClientId	No
Currency	Currency code as specified in ISO 4217	Yes
Amount	Format: d.dd	Yes
OrderDescription	Description of the order being placed	No

### **Request Example**

```
$key = "0000:aBcdefgHijklmnopQrstuVwxyz0123456789Abcd";
$post = array(
  'ClientId'=> '101',
  'Currency'=> 'GBP',
  'Amount'=> '100.00'
);

$ch = curl_init('https://app.gcen.co.uk/Api/InvestmentDeposit');
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);
curl_setopt($ch, CURLOPT_HEADER, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER,
array("Authentication: $key"));
curl_setopt($ch, CURLINFO_HEADER_OUT, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER, array('Content-Type: text/json'));
curl_setopt($ch, CURLOPT_POST, 1);
curl_setopt($ch, CURLOPT_POSTFIELDS, $post);
$result = curl_exec($ch);
curl_close($ch);
```



## Example Response

```
{
  "StatusId": 0,
  "Success": true,
  "ReturnObject": {
    "BankReference": "0000-101-1",
    "DlCode": 1,
    "PaymentAmount": 100,
    "PaymentCurrency": "GBP",
    "BankDetails": {
      "AccountHolder": "Global Currency Exchange Network",
      "BankName": "Royal Bank of Scotland",
      "SwiftCode": "RBOSGB2L",
      "IBAN": "GB48RBOS16003211037961",
      "BankCountry": "United Kingdom",
      "BankAccountNumber": "11037961",
      "SpecialId": "Sort code: 160032"
    }
  },
  "Message": ""
}
```

*StatusId of '10' indicates that the client is over their annual turnover limit and extended client due diligence should be done.*

## **FX Quote**

Generates a unique quote from GCEN to exchange currency. Returns an FX Online Deal Quotation with a quotation reference. Quote is valid for purchase up to 30 minutes.

### Connection URL:

<https://app.gcen.co.uk/Api/GetFXQuote>

### Request Parameters

Parameter	Values	Required
ClientId	Integer	Yes
SellCurrency	Currency code as specified in ISO 4217	Yes
BuyCurrency	Currency code as specified in ISO 4217	Yes
SellValue	format d.dd	Conditional
BuyValue	format d.dd	Conditional
Either SellValue or BuyValue must be supplied.		
Charge	Applied in SellCurrency	No

## Request Example

```
$key = "0000:aBcdefgHijklmnopQrstuVwxyz0123456789Abcd";
$post = array(
    'ClientId'=> '101',
    'SellCurrency'=> 'USD',
    'BuyCurrency'=> 'GBP',
    'SellValue'=> '300.00'
);

$ch = curl_init('https://app.gcen.co.uk/Api/GetFXQuote');
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);
curl_setopt($ch, CURLOPT_HEADER, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER,
    array("Authentication: $key"));
curl_setopt($ch, CURLOPTINFO_HEADER_OUT, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER, array('Content-Type: text/json'));
curl_setopt($ch, CURLOPT_POST, 1);
curl_setopt($ch, CURLOPT_POSTFIELDS, $post);
$result = curl_exec($ch);
curl_close($ch);
```

## Example Response

```
{
    "StatusId": 0,
    "Success": true,
    "ReturnObject": {
        "ClientId": 101,
        "CardCharge": 7.8,
        "Charge": 0,
        "CurrentRate": 0.59296197,
        "CurrentRateString": "0.59296",
        "SellValueString": "300.00",
        "BuyValueString": "177.89",
        "QuotationReference": "3a7e3352-d28b-4ed9-9fd1-e8d1e01e327e",
        "Date": "2015-01-18T13:44:03.219311+01:00",
        "SellCurrency": "USD",
        "BuyCurrency": "GBP",
        "SellValue": 300,
        "BuyValue": 177.89,
        "TotalSellValue": 310.8,
        "TotalSellValueString": "310.80",
        "IsCardPaymentAvailable": true,
        "IsBankTransferAvailable": true
    },
    "Message": ""
}
```

## Confirm FX Quote - Card Payment

This method confirms a given FX quote and sets up the payment system so the user can place their transaction.

### Connection URL:

<https://app.gcen.co.uk/Api/ConfirmQuoteWithCardPayment>

## Request Parameters

Parameter	Values	Required
ClientId	Integer	Yes
QuotationReference	Reference returned supplied from FX Quote	Yes
ReturnUrl	The page you want the user redirected to once payment is complete	Yes
PaymentType	1 - Visa (credit) 3 - MasterCard (credit) 114 - Visa (debit) 117 - Maestro (debit) 119 - MasterCard (debit) 122 - Visa Electron(debit)	Yes
Note that Credit card payments, or payments made in a non-GBP currency incur a 3% charge		
Name	Name on the card holder	Yes
Address1	Billing address	Yes
Address2	Billing address	Yes
PostCode	Billing address	Yes
CountryCode	Billing address. ISO 3166-1 alpha-2 country code format. E.g. GB, US, IT etc.	Yes
Language	Lower-case ISO 639 two-character language code. Exceptions are: Chinese, simplified - sc Chinese, traditional - tc Czech (legacy) - cz Polish (legacy) - po	No
MaturityDate	Format: yyyy-MM-dd Using this allows the user to request a Forward Deal	No
Payment	Array	Yes
- HoldOnAccount	Part of the Payment array. Bool. If true other properties are not required	Yes
- AccountNumber	Part of the Payment array. IBAN or account number	Yes
- BankCode	Part of the Payment array. Swift code / Sort code / Branch code	Yes
- BeneName	Part of the Payment array. Beneficiary's account name	Yes
- BeneRef1	Part of the Payment array. Reference that will appear on the beneficiary's statement	No
- BeneRef2	Part of the Payment array. Extra references. Only applicable for international payments	No
- BeneRef3	Part of the Payment array. Extra references. Only applicable for international payments	No
- BeneRef4	Part of the Payment array. Extra references. Only applicable for international payments	No
- CountryCode	Part of the Payment array. Country code of the beneficiary's bank. ISO 3166-1 alpha-2 country code format. E.g. GB, US, IT etc.	Yes
- Currency	Part of the Payment array. Currency of the beneficiary's bank account. Currency code as specified in ISO 4217	Yes
- IntermediaryAccount	Part of the Payment array. Intermediary swift code. Optionally applicable for international payments	No

## Request Example

```
$key = "0000:aBcdefgHijklmnopQrstuVwxyz0123456789Abcd";
$post = array(
  'ClientId'=> '101',
  'QuotationReference'=> '3a7e3352-d28b-4ed9-9fd1-e8d1e01e327e',
  'ReturnUrl'=> 'https://gcen.co.uk/',
  'PaymentType'=> '114',
  'Name'=> 'John Smith',
  'Address1'=> 'The Old Barn',
  'Address2'=> 'The Oats Business Village',
  'PostCode'=> 'ME18 5NN',
  'CountryCode'=> 'GB',
  'Payment'=> array(
    'HoldOnAccount'=> false,
    'AccountNumber'=> '00000000',
    'BankCode'=> '000000',
    'BeneName'=> 'Jane Smith',
    'BeneRef1'=> 'Payment from John Smith',
    'CountryCode'=> 'GB',
    'Currency'=> 'GBP'
  )
);

$ch = curl_init('https://app.gcen.co.uk/Api/ConfirmQuoteWithCardPayment');
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);
curl_setopt($ch, CURLOPT_HEADER, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER,
array("Authentication: $key"));
curl_setopt($ch, CURLOPTINFO_HEADER_OUT, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER, array('Content-Type: text/json'));
curl_setopt($ch, CURLOPT_POST, 1);
curl_setopt($ch, CURLOPT_POSTFIELDS, $post);
$result = curl_exec($ch);
curl_close($ch);
```

## Example Response

```
{
  "StatusId": 0,
  "Success": true,
  "ReturnObject": {
    "Amount": 307.8,
    "PaymentUrl": https://....
  },
  "Message": ""
}
```

*Once payment is complete, the user will be redirected back your website (specified in ReturnURL). The REF and RETURNMAC will again be returned which you should make a note of in order to obtain the order status.*

*To check the status of the user's payment use the Card Payment Response API method.*

## Confirm FX Quote - Bank Transfer

This method confirms a given FX quote and returns the amount and bank account that the client must pay in to.

Please note that for all payments we cannot accept funds from BSI Bank Switzerland under instruction of our banking partner Santander

### Connection URL:

<https://app.gcen.co.uk/Api/ConfirmQuoteWithBankTransfer>

### Request Parameters

Parameter	Values	Required
ClientId	Integer	Yes
QuotationReference	Reference returned supplied from FX Quote	Yes
MaturityDate	Format: yyyy-MM-dd. Using this allows the user to request a Forward Deal	No
Payment	Array	Yes
- HoldOnAccount	Part of the Payment array. Bool. If true other properties are not required	Yes
- AccountNumber	Part of the Payment array. IBAN or account number	Yes
- BankCode	Part of the Payment array. Swift code / Sort code / Branch code	Yes
- BeneName	Part of the Payment array. Beneficiary's account name	Yes
- BeneRef1	Part of the Payment array. Reference that will appear on the beneficiary's statement	No
- BeneRef2	Part of the Payment array. Extra references. Only applicable for international payments	No
- BeneRef3	Part of the Payment array. Extra references. Only applicable for international payments	No
- BeneRef4	Part of the Payment array. Extra references. Only applicable for international payments	No
- CountryCode	Part of the Payment array. Country code of the beneficiary's bank. ISO 3166-1 alpha-2 country code format. E.g. GB, US, IT etc.	Yes
- Currency	Part of the Payment array. Currency of the beneficiary's bank account. Currency code as specified in ISO 4217	Yes
- IntermediaryAccount	Part of the Payment array. Intermediary swift code. Optionally applicable for international payments	No

## Request Example

```
$key = "0000:aBcdefgHijklmnopQrstuVwxyz0123456789Abcd";
$post = array(
    'ClientId'=> '101',
    'QuotationReference'=> '3a7e3352-d28b-4ed9-9fd1-e8d1e01e327e',
    'Payment'=> array(
        'HoldOnAccount'=> false,
        'AccountNumber'=> '00000000',
        'BankCode'=> '000000',
        'BeneName'=> 'Jane Smith',
        'CountryCode'=> 'GB',
        'Currency'=> 'GBP'
    )
);

$ch = curl_init('https://app.gcen.co.uk/Api/ConfirmQuoteWithBankTransfer');
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);
curl_setopt($ch, CURLOPT_HEADER, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER,
    array("Authentication: $key"));
curl_setopt($ch, CURLOPTINFO_HEADER_OUT, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER, array('Content-Type: ext/json'));
curl_setopt($ch, CURLOPT_POST, 1);
curl_setopt($ch, CURLOPT_POSTFIELDS, $post);
$result = curl_exec($ch);
curl_close($ch);
```

## Example Response

```
{
    "StatusId": 0,
    "Success": true,
    "ReturnObject": {
        "DealReference": "0000-101-1",
        "BankReference": "0000-101-1",
        "Amount": 350,
        "Currency": "GBP",
        "BankDetails": {
            "AccountHolder": "Global Currency Exchange Network",
            "BankName": "Royal Bank of Scotland",
            "SwiftCode": "RBOSGB2L",
            "IBAN": "GB28RBOS16003211043074",
            "BankCountry": "United Kingdom",
            "BankAccountNumber": "11043074",
            "SpecialId": "Sort code: 160032"
        }
    },
    "Message": ""
}
```

## Get List of Client deals

Returns a list of a client's deals.

### Connection URL:

<https://app.gcen.co.uk/Api/GetDealHistory/{ClientId}>

### Request Example

```
$key = "0000:aBcdefgHijklmnopQrstuVwxyz0123456789Abcd";
$post = array();

$ch = curl_init('https://app.gcen.co.uk/Api/GetDealHistory/101');
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);
curl_setopt($ch, CURLOPT_HEADER, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER,
array("Authentication: $key"));
curl_setopt($ch, CURLINFO_HEADER_OUT, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER, array('Content-Type: text/json'));
curl_setopt($ch, CURLOPT_POST, 1);
curl_setopt($ch, CURLOPT_POSTFIELDS, $post);
$result = curl_exec($ch);
curl_close($ch);
```

## Example Response

```
{
  "StatusId": 0,
  "Success": true,
  "ReturnObject": [
    {
      "AgentId": 0000,
      "ClientId": 101,
      "DlCode": 1,
      "DealReference": "0000-101-1",
      "TransactionDate": "2011-09-14T00:00:00+01:00",
      "MaturityDate": "2011-09-16T00:00:00+01:00",
      "SourceCurrency": "GBP",
      "PurchaseCurrency": "EUR",
      "TotalAmount": 300000,
      "TransactionCharge": 0,
      "CustodianCharge": 0,
      "SellAmount": 300000,
      "BuyAmount": 360000,
      "Status": "Cancelled",
      "DealRate": 1.2
    },
    {
      "AgentId": 0000,
      "ClientId": 101,
      "DlCode": 2,
      "DealReference": "0000-101-2",
      "TransactionDate": "2011-10-13T00:00:00+01:00",
      "MaturityDate": "2011-10-18T00:00:00+01:00",
      "SourceCurrency": "GBP",
      "PurchaseCurrency": "EUR",
      "TotalAmount": 5000,
      "TransactionCharge": 0,
      "CustodianCharge": 0,
      "SellAmount": 5000,
      "BuyAmount": 6050,
      "Status": "Cleared",
      "DealRate": 1.21
    },
    {
      "AgentId": 0000,
      "ClientId": 101,
      "DlCode": 3,
      "DealReference": "0000-101-3",
      "TransactionDate": "2013-07-16T00:00:00+01:00",
      "MaturityDate": "2013-07-18T00:00:00+01:00",
      "SourceCurrency": "GBP",
      "PurchaseCurrency": "GBP",
      "TotalAmount": 1000,
      "TransactionCharge": 0,
      "CustodianCharge": 0,
      "SellAmount": 1000,
      "BuyAmount": 1000,
      "Status": "Awaiting Payment"
    }
  ],
  "Message": ""
}
```

### Deal Statuses

Status	Description
Unfinished	Deal not finished being defined i.e. investor has not completed user journey or has dropped out of investment process. Deal will need to be re booked.



Awaiting Payment	Deal not received payment
Reversed	Deal has been fully reversed
Part Reversed (xx.xx)	Deal is has been partially reversed. The amount paid in is shown in brackets
Partial Payment (yyy xx.xx)	Deal has received part of the required funds (show in brackets e.g. GBP 123.23)
Cleared	Deal is complete, all payments have been have been received and processed - funds will have been sent to the intended beneficiary
Cancelled	Deal has been cancelled

### **Get Payments Out**

Returns a list of clients outgoing payments.

#### Connection URL:

<https://app.gcen.co.uk/Api/GetOutgoingPayments/{ClientId}>

#### Request Example

```
$key = "0000:aBcdefgHijklmnopQrstuVwxyz0123456789Abcd";
$post = array();

$ch = curl_init('https://app.gcen.co.uk/Api/GetOutgoingPayments/101');
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);
curl_setopt($ch, CURLOPT_HEADER, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER,
array("Authentication: $key"));
curl_setopt($ch, CURLINFO_HEADER_OUT, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER, array('Content-Type: text/json'));
curl_setopt($ch, CURLOPT_POST, 1);
curl_setopt($ch, CURLOPT_POSTFIELDS, $post);
$result = curl_exec($ch);
curl_close($ch);
```

#### Example Response

```
{
  "StatusId": 0,
  "Success": true,
  "ReturnObject": [{
    "AgentId": 0000,
    "ClientId": 101,
    "DlCode": 1,
    "DealReference": "0000-101-1",
    "BeneficiaryName": null,
    "PaymentDate": "2008-05-23T00:00:00+01:00",
    "Reference": "",
    "Currency": "GBP",
    "Amount": 10,
    "Status": "Cleared"
  }],
  "Message": ""
}
```

## Get Payments In

Gets a list of incoming payments.

### Connection URL:

<https://app.gcen.co.uk/Api/GetIncomingPayments/{ClientId}>

### Request Example

```
$key = "0000:aBcdefgHijklmnopQrstuVwxyz0123456789Abcd";
$post = array();

$ch = curl_init('https://app.gcen.co.uk/Api/GetIncomingPayments/101');
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);
curl_setopt($ch, CURLOPT_HEADER, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER,
array("Authentication: $key"));
curl_setopt($ch, CURLOPTINFO_HEADER_OUT, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER, array('Content-Type: text/json'));
curl_setopt($ch, CURLOPT_POST, 1);
curl_setopt($ch, CURLOPT_POSTFIELDS, $post);
$result = curl_exec($ch);
curl_close($ch);
```

## Example Response

```
{
  "StatusId": 0,
  "Success": true,
  "ReturnObject": [
    {
      "AgentId": 0000,
      "ClientId": 101,
      "DlCode": 3,
      "DealReference": "0000-101-3",
      "PaymentMethod": "Final Payment",
      "PaymentRecordedDate": "2013-07-25T16:13:29+01:00",
      "Currency": "GBP",
      "Amount": 600
    },
    {
      "AgentId": 0000,
      "ClientId": 101,
      "DlCode": 2,
      "DealReference": "0000-101-2",
      "PaymentMethod": "Cheque",
      "PaymentRecordedDate": "2007-12-06T11:01:23+00:00",
      "Currency": "GBP",
      "Amount": 11798.5
    },
    {
      "AgentId": 0000,
      "ClientId": 101,
      "DlCode": 1,
      "DealReference": "0000-101-1",
      "PaymentMethod": "Bank Transfer",
      "PaymentRecordedDate": "2006-10-30T04:44:00+00:00",
      "Currency": "GBP",
      "Amount": 10000
    }
  ],
  "Message": ""
}
```

## Investment Collection Entries

This method will return a list of investment collection entries by date and status

### Connection URL:

<https://app.gcen.co.uk/Api/InvestmentCollectionEntries>

## Request Parameters

```
$key = "0000:aBcdefgHijklmnopQrstuVwxyz0123456789Abcd";
$post = array();

$ch = curl_init('https://app.gcen.co.uk/Api/InvestmentCollectionEntries');
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);
curl_setopt($ch, CURLOPT_HEADER, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER,
array("Authentication: $key"));
curl_setopt($ch, CURLOPTINFO_HEADER_OUT, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER, array('Content-Type: text/json'));
curl_setopt($ch, CURLOPT_POST, 1);
curl_setopt($ch, CURLOPT_POSTFIELDS, $post);
$result = curl_exec($ch);
curl_close($ch);
```

## Example Response

```
{
  "StatusId": 0,
  "Success": true,
  "ReturnObject": [
    {
      "Available": {
        "TotalGBPAmount": 2588600,
        "TotalGBPPaidIn": 2588600,
        "EntryList": [
          {
            "StatementDate": "2016-09-02T16:28:05+01:00",
            "ClearedDate": "2016-09-02T16:28:05+01:00",
            "ReleasedDate": "2016-09-02T16:28:05+01:00",
            "NotReleasedReason": "N/A",
            "AnnualTurnoverLimit": 44000,
            "AgentId": 0000,
            "ClientId": 101,
            "Title": "Mr",
            "Forename": "John",
            "Surname": "Smith",
            "IDChecked": true,
            "KYCPassed": false,
            "DealCancelledDate": null,
            "TransactionDate": "2016-06-20T11:34:12+01:00",
            "DealStatus": "Cleared",
            "DealCode": "0000-101-1",
            "InvestmentCurrency": "GBP",
            "InvestmentAmount": 23000,
            "AmountPaidIn": 23000,
            "Description": "",
            "PaymentMethod": "Bank Transfer"
          }
        ]
      },
      "Unallocated": {
        "EntryList": [
          {
            "Currency": "GBP",
            "Amount": 11000,
            "Description": "FASTER PAYMENTS RECEIPT REF.0000 101 | 0000 101",
            "PaymentDate": "2016-09-28T00:00:00+01:00"
          }
        ]
      }
    }
  ],
  "Message": ""
}
```

### **Investment Cancel Deal**

This method will send a deal cancellation request to the given clients account manager for approval and action

#### Connection URL:

<https://app.gcen.co.uk/Api/CancelDealRequest>

#### Request Parameters

Parameter	Values	Required
ClientId	Integer	Yes
DIcode	Payment transaction identification number E.g. 154	Yes

## Request Example

```
$key = "0000:aBcdefgHijklmnopQrstuVwxyz0123456789Abcd";
$post = array(
    'ClientId'=> '101',
    'DlCode'=> '1'
);

$ch = curl_init('https://app.gcen.co.uk/Api/CancelDealRequest');
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);
curl_setopt($ch, CURLOPT_HEADER, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER,
    array("Authentication: $key"));
curl_setopt($ch, CURLINFO_HEADER_OUT, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER, array('Content-Type: text/json'));
curl_setopt($ch, CURLOPT_POST, 1);
curl_setopt($ch, CURLOPT_POSTFIELDS, $post);
$result = curl_exec($ch);
curl_close($ch);
```

## Example Response

```
{
    "StatusId": 0,
    "Success": true,
    "ReturnObject": null,
    "Message": "Deal (0000-101-1) cancellation request successfully sent."
}
```

## **Test Account Method - Reset Clients**

Resets all clients' payments, balances, deals etc.

This method is only available for GCEN/GCS test accounts.

### Connection URL:

<https://app.gcen.co.uk/Api/ResetClients>

## Request Example

```
$key = "0000:aBcdefgHijklmnopQrstuVwxyz0123456789Abcd";
$post = array();

$ch = curl_init('https://app.gcen.co.uk/Api/ResetClients');
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);
curl_setopt($ch, CURLOPT_HEADER, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER,
array("Authentication: $key"));
curl_setopt($ch, CURLINFO_HEADER_OUT, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER, array('Content-Type: text/json'));
curl_setopt($ch, CURLOPT_POST, 1);
curl_setopt($ch, CURLOPT_POSTFIELDS, $post);
$result = curl_exec($ch);
curl_close($ch);
```

## Example Response

```
{
  "StatusId": 0,
  "Success": true,
  "ReturnObject": null,
  "Message": ""
}
```

## Test Account Method - Delete Clients

Resets all client accounts and then delete all clients apart from the "100" account.

This method is only available for GCEN/GCS test accounts.

### Connection URL:

<https://app.gcen.co.uk/Api/DeleteClients>

### Request Example

```
$key = "0000:aBcdefgHijklmnopQrstuVwxyz0123456789Abcd";
$post = array();

$ch = curl_init('https://app.gcen.co.uk/Api/DeleteClients');
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);
curl_setopt($ch, CURLOPT_HEADER, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER,
array("Authentication: $key"));
curl_setopt($ch, CURLINFO_HEADER_OUT, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER, array('Content-Type: text/json'));
curl_setopt($ch, CURLOPT_POST, 1);
curl_setopt($ch, CURLOPT_POSTFIELDS, $post);
$result = curl_exec($ch);
curl_close($ch);
```

## Example Response

```
{
  "StatusId": 0,
  "Success": true,
  "ReturnObject": null,
  "Message": ""
}
```

## **Test Account Method - Credit GCS Balance**

Makes a manual adjustment to a client's GCS balance.

This method is only available for GCEN/GCS test accounts.

### Connection URL:

<https://app.gcen.co.uk/Api/CreditGCSBalance>

### Request Parameters

Parameter	Values	Required
ClientId	Integer	Yes
Currency	Currency code as specified in ISO 4217	Yes
Amount	Format: d.dd	Yes

### Request Example

```
$key = "0000:aBcdefgHijklmnopQrstuVwxyz0123456789Abcd";
$post = array(
  'ClientId'=> '101',
  'Currency'=> 'GBP',
  'Amount'=> '100.00'
);

$ch = curl_init('https://app.gcen.co.uk/Api/CreditGCSBalance');
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);
curl_setopt($ch, CURLOPT_HEADER, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER,
array("Authentication: $key"));
curl_setopt($ch, CURLOPTINFO_HEADER_OUT, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER, array('Content-Type: text/json'));
curl_setopt($ch, CURLOPT_POST, 1);
curl_setopt($ch, CURLOPT_POSTFIELDS, $post);
$result = curl_exec($ch);
curl_close($ch);
```



## Example Response

```
{
  "StatusId": 0,
  "Success": true,
  "ReturnObject": null,
  "Message": ""
}
```

## Test Account Method - Credit Test Deal

This allows you to simulate the process of GCEN receiving funds and allocating them to an existing deal. For investment deals, this method will move the money from the deal to the beneficiary's GCS Balance, providing:

- the client's due diligence checks are all passing, and
- all funds have been received on the deal

This method is only available for GCS test accounts.

### Connection URL:

<https://app.gcen.co.uk/Api/CreditTestDeal>

### Request Parameters

Parameter	Values	Required
ClientId	Integer	Yes
DIcode	Integer	Yes
Currency	Currency code as specified in ISO 4217	Yes
Amount	Format: d.dd	Yes

### Request Example

```
$key = "0000:aBcdefgHijklmnopQrstuVwxyz0123456789Abcd";
$post = array(
  'ClientId'=> '101',
  'DIcode'=> '1',
  'Currency'=> 'GBP',
  'Amount'=> '100.00'
);

$ch = curl_init('https://app.gcen.co.uk/Api/CreditTestDeal');
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);
curl_setopt($ch, CURLOPT_HEADER, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER,
array("Authentication: $key"));
curl_setopt($ch, CURLOPTINFO_HEADER_OUT, 1);
curl_setopt($ch, CURLOPT_HTTPHEADER, array('Content-Type: text/json'));
curl_setopt($ch, CURLOPT_POST, 1);
curl_setopt($ch, CURLOPT_POSTFIELDS, $post);
$result = curl_exec($ch);
curl_close($ch);
```

## Example Response

```
{
  "StatusId": 0,
  "Success": true,
  "ReturnObject": null,
  "Message": "Actioned"
}
```

## Response Parameters

With a successful request, the 'Message' will indicate the status on the payment to the beneficiary's GCS Balance:

- None - not all payments have been received on the deal
- Pending - the money will be moved once the client's due diligence checks have passed
- Actioned - the deal is complete, and the money has been moved to the beneficiary's GCS Balance