BIPS®

Bitcoin Internet Payment System API

v0.1

https://bips.me

How to use BIPS application programming interface

An invoice is created by sending an HTTP POST to https://bips.me/api/v1/invoice containing the details of your product or service, price and the currency.

On a successful POST an invoice URL will be received in the response. Your system should redirect to this URL to allow the customer to pay.

Required HTTP Basic Authentication

“apikey” *	Your api key from the account where you want to receive payment. To be provide as username of http basic authentication.

Required POST fields

“price”	The price of your product or service.
“currency”	The currency of your price.

* API key should never be publicly visible. If compromised, you can generate a new one in BIPS account.

Optional POST fields

“item”	A description of the service or product.
“custom”	A JSON-encoded string of any custom entries you wish to include in the Instant Payment Notification. “returnurl” and “cancelurl” are protected and should be used to direct the customer to receipt page or similar.

Validate BIPS Instant Payment Notification

Confirmation of transaction, client side, PHP example

```
$BIPS = $_POST;
$hash = hash('sha512', $BIPS['transaction']['hash'] . 'Secret');
```

```
}
```

```
if ($BIPS['hash'] == $hash && $BIPS['status'] == 1) {
  // Do your magic here, and return 200 OK to BIPS.
  header('HTTP/1.1 200 OK');
}
```

BIPS expects to receive a 200 response code from your website.
If the response code is not 200, we will retry the callback up to four times.

BIPS Sale IPN example

```
{
 "invoice": 00001001, // Batch number used to identify an order on BIPS
 "status": 1,
 "type": "purchase",
 "btc": {
  "amount": 1.00000000,
  "rate": 19.46646000,
  "fee": 0.00014900
 },
 "fiat": {
  "amount": 19.46,
  "currency": "USD"
 },
 "item": "ASIC",
 "notes": "A Note",
 "timestamp": 1310717260,
 "custom": {
  "email": "customer@example.com",
  "orderid": 1234
 },
 "transaction": {
  "address": "1UpE17cik2edTr8TjSVskcgJodTeCijoi",
  "hash": "48584919532dd31ac960b960c5d234124eb97b4a805d100e8c57c174a60ecb81",
  "confirmations": 0
 },
 "hash": "GTJKNUJ5TN534JN53NKJ"
}
```

SendTo API

Sending bitcoin via API is done by sending an HTTP POST to https://**bips.me**/api/v1/sendto containing amount, to, from and notes.

On a successful POST a JSON encoded array will be received in the response. On any invalid API request, an error message will be received in the response of the POST. Your system should account for this.

Required HTTP Basic Authentication

“apikey” *	Your api key from the account from where you want to send bitcoin. To be provide as username of http basic authentication.

Required POST fields

“amount”	The amount you want to send.
“to” *	The recipient's email address, mobile phone number (712 mobile networks in 212 countries) or Bitcoin address.

* API key should never be publicly visible. If compromised, one can generate a new one in BIPS account.

* Numbers MUST be in their international format, (no leading zeroes). The UK number 0870 711 111 will become 44870711111

Optional POST fields

“from”	The sender's name, email address, phone number or bitcoin address.
“notes”	Optional details to include. (22 characters message limit on phone messages)

Our SendTo system covers 712 mobile networks in 212 countries — we can reach almost all mobile phones, however please test if we can reach your mobile or the mobile you want to send to, prior to utilize sending bitcoin via SMS. If the mobile is not covered, you can still enjoy sending instant to email addresses, mobile phone number and bitcoin addresses within BIPS. When sending to a mobile phone number not located in BIPS database, the recipient will receive a redeem code, which can be used at BIPS checkout or redeemed at BIPS eWallet.

GetBalance API

Getting balance of bitcoin and in fiat via API is done by sending an HTTP POST to https://**bips.me**/api/v1/getbalance

On a successful POST a JSON encoded array will be received in the response. On any invalid API request, an error message will be received in the response of the POST. Your system should account for this.

Required HTTP Basic Authentication

"apikey" *	Your api key from the account, from where you want to receive balance. To be provide as username of http basic authentication.

Required POST fields

"currency"	The currency of your request.

* API key should never be publicly visible. If compromised, one can generate a new one in BIPS account.

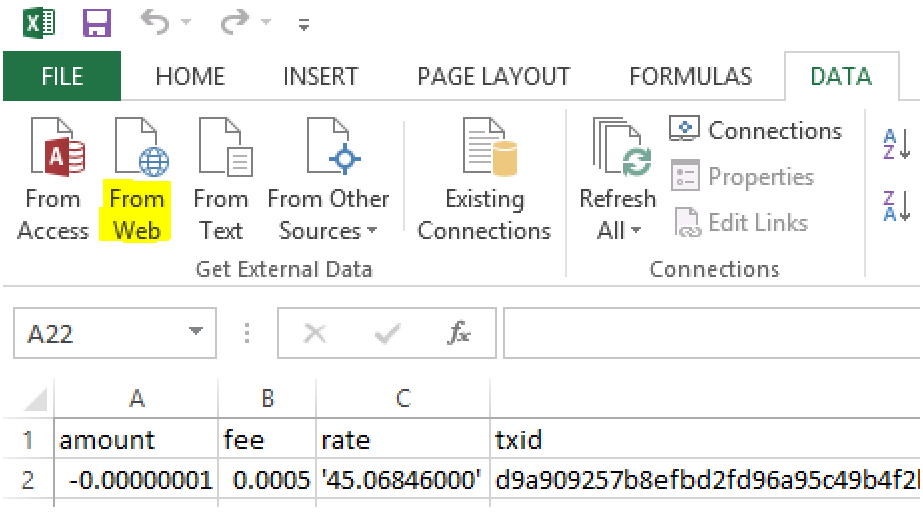
BIPS GetBalance example

```
{
 "btc": {
   "amount": "0.36723477",
   "rate": "110.48764"
 },
 "fiat": {
   "amount": "40.5749",
   "currency": "USD"
 }
}
```

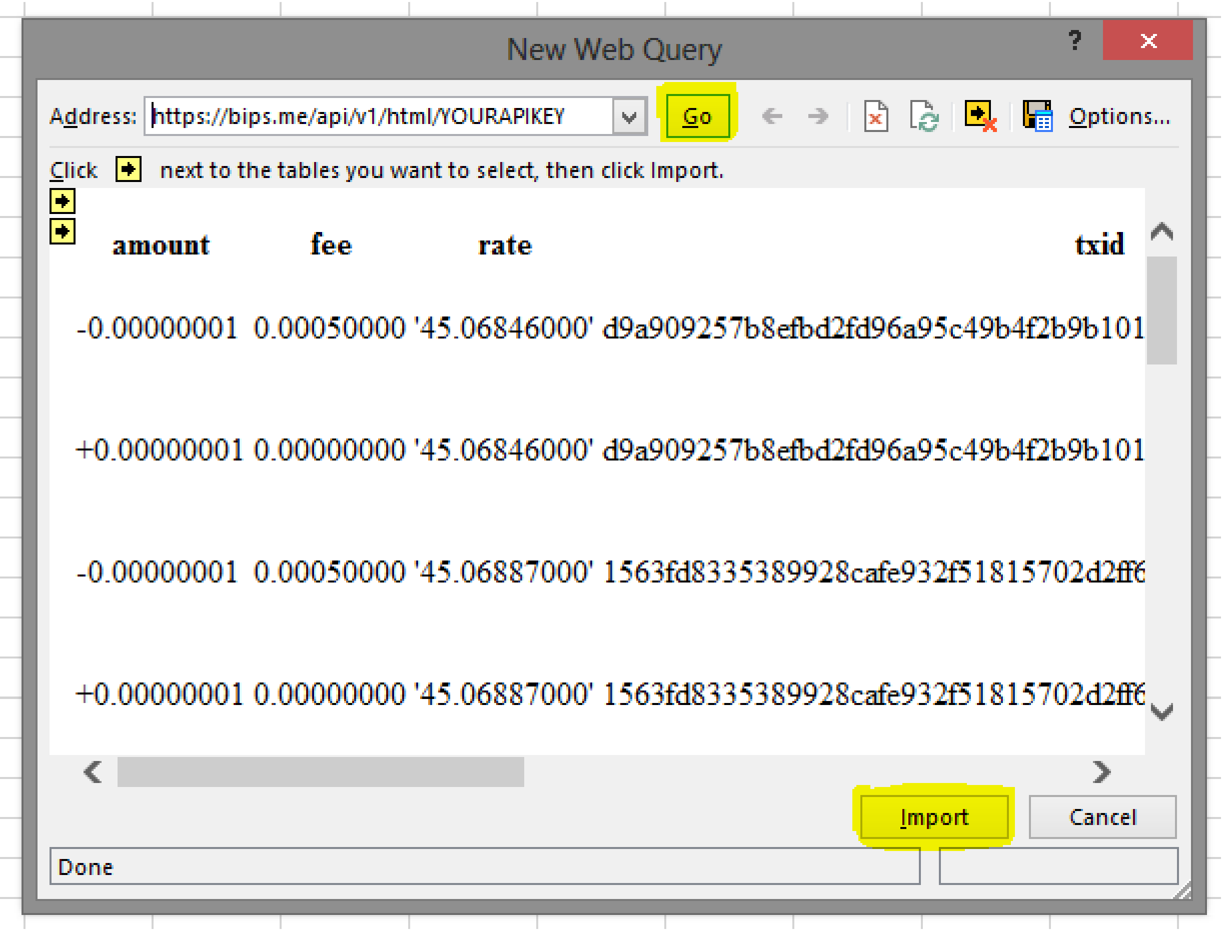
Export Transactions

You can export BIPS transactions to Excel (csv), PDF or HTML by adding API Key to your account located under Merchant https://bips.me/merchant#api

BIPS provides live update of export to Excel by inputting HTML export link to any version of Excel.



	A	B	C	
1	amount	fee	rate	txid
2	-0.00000001	0.0005	'45.06846000'	d9a909257b8efbd2fd96a95c49b4f2l



Address: https://bips.me/api/v1/html/YOURAPIKEY

Click next to the tables you want to select, then click Import.

amount	fee	rate	txid
-0.00000001	0.00050000	'45.06846000'	d9a909257b8efbd2fd96a95c49b4f2b9b101
+0.00000001	0.00000000	'45.06846000'	d9a909257b8efbd2fd96a95c49b4f2b9b101
-0.00000001	0.00050000	'45.06887000'	1563fd8335389928cafe932f51815702d2ff6
+0.00000001	0.00000000	'45.06887000'	1563fd8335389928cafe932f51815702d2ff6