Quick API tutorial

The purpose of the payment gateway API is to return an address and a price in IOTA that you user will have to pay to. Your user can pay the exact amount or can pay more. The payment can be done from multiple addresses. You must issue a POST request to payiota.tk/api.php with the parameters api_key (you can find it on your interface page) price (integer, in US dollars), and custom (which can be whatever you want, for identifying a user at IPN). You will get an JSON object with an array containing address at 0th place and price at 1th. Then, once your payment is payed, our server will POST back to your IPN.

To create payment:

URL: https://payiota.me/api.php

Data: api_key=[api_key]&price=[price_in_usd]&custom=whatever&action=new

Example raw data received:

["QSLFGM9UZBN9ETHYAXCKQMYXKZOBSFLPSXIRTEUZAXPPMJUFGMTVZYLUUAIJJJICEAHNQPBWGLQTO FRASKETEANJGA","2077193"]

You should check whether the address generation was successful, and act accordingly (issue a new request); to check for a temporary error check whether the raw data that is received is 'ERR_FATAL_3RD_PARTY'. It is recommended you encrypt your custom string server-side and decrypt it on IPN receive to avoid payment data tampering! You can also create invoices on your user creation event, store the invoice data, and then display it to your user if he wishes to pay – this Is the best way as it takes around 5-10 seconds for an API call to complete due to how IOTA is built.

To update a stored payments price in IOTA:

URL: https://payiota.me/api.php

Data: api_key=[api_key]&address=[address_you_want_to_update]&verification=[verification]&action=update

If the request was successful, you should get an integer with the new price in IOTA'S:

18826648

You should check for errors like ERR_DISALOWED (address is not yours; verification string incorrect, payment is already paid), ERR_NOT_FOUND (address not found) and of course for ERR_FATAL_3RD_PARTY.

An IPN received POST data example:

address : address to which user sent the payment

realID : your user ID

price : price user paid in USD

price_iota : price in IOTA

custom : your custom string

verification : your verification string

paid_iota : how many IOTA's user paid with

done : 0 or 1, should be 1 always

Don't forget to validate the verification string, check if is it the same as on the interface page! After that you can add payment to database, execute payment action, send email and anything you want. Be careful to set your IPN URL correctly; our system will only send you an IPN once. Of course, you can see all your user's invoices from the interface page.