

Clear Collect

ClearCollect

API Documentation

Documentation

ClearCollect's Crypto Currency REST API provides fast and secure way to access, manage and control your Bitcoin Payment account.

URI

This is the API URI to use

<https://api.clearcollect.com/crypto/v2>

Authentication

Authentication is done using an API key and a secret. To generate this pair, please contact support.
To make a request to

POST <https://api.clearcollect.com/crypto/v2/deposit/new/json>

With a payload of

```
{
  "nonce": "1234",
  "option1": ...
}
```

Note: The nonce provided must be strictly increasing.

To authenticate the request, use the following:

```
payload = parameters-dictionary -> JSON encode -> base64
signature = HMAC-SHA384(payload, api-secret) as hexadecimal
send (api-key, payload, signature)
```

These are encoded as HTTP headers named:

XAPIKEY
XPAYLOAD
XSIGNATURE

Callback

A new post to the registered URI will be fired when the first notification is received and a final one when the deposit reaches the 6th confirmation.

The POST request is expecting "200 OK" HTTP status code to set the callback as succesful. Any other value will be recognized as an error. A total of 3 attemps will be made for each callback.

The HTTP Header "XPAYLOAD" contains the deposit properties.

payloadJSON = XPAYLOAD -> base64Decode

XPAYLOAD Dictionary Decoded

Key	Type	Description
id	[string]	Deposit identification number
serverdatetime	[datetime]	Current server's Date/Time
clienttracking	[string]	Your internal customer tracking number
sender	[string]	The name of person sending bitcoins
securerate	[boolean]	Indicate whether the rate is secure or not
btcpercent	[integer]	The percentage of BTC based in the split option if applicable
estreceivedamount_int	[integer]	The estimated value for the BTCs received in USD cents (Applies only if your account is configured to not convert the received BTCs to USD)
requestamountusd_int	[integer]	The requested amount in USD cents
creditamountusd_int	[integer]	The credited amount in USD cents
feeusd_int	[integer]	The fee in USD cents
requestamountbtc_int	[integer]	The requested BTC amount in satoshis
feebtc_int	[integer]	The BTC fee in satoshis
address	[string]	The address expecting the BTC funds
creationdatetime	[datetime]	Deposit creation date/time
expirationdatetime	[datetime]	Deposit expiration date/time
minutestoexpire	[integer]	The amount of minutes left to secure the rate
timestatus	[string]	Indicates if deposit is "ONTIME" or "DELAYED"
chargemerchant	[boolean]	Indicates who honor the transaction fees (True=Merchant False=Sender)
status	[string]	[C="COMPLETE" O="OUT OF BOUNDS" P="PENDING" E="DOUBLE SPENT"].
txid	[string]	Transaction Hash Identifier (TXID)

Key	Type	Description
confirmations	[integer]	The number of confirmations in the network. (Transactions are condired confirmed after 6 or more confirmations)

IMPORTANT INFORMATION FOR ADDRESSES RECEIVING MORE THAN ONE (1) DEPOSIT

If a customer sends more than one (1) deposit to a given address, a new deposit receipt will be automatically created, duplicating the first received succesful deposit information. The deposit will be notified as usual during the callback process, however you should notice that the value "deposit.id" will not be recognized or found at your end, this happens because the deposit was automatically created for you in clearnetwork.eu, if you want to also be notified via email if an event like this occurs, please register a valid email address with Customer Service.

New deposit

Return a deposit id and address to make a new deposit.

POST /deposit/new/ + (json | xml)

Request

Key	Type	Description
amountusd_int	[integer]	The request amount in USD expressed in cents (1 USD = 100 cents)
amountbtc_int	[integer]	The request amount in BTC expressed in satoshis (1 BTC = 100,000,000 satoshis)
sender	[string]	The name of person sending the transfer
clienttracking	[string]	Your internal customer tracking number

Response

Key	Type	Description
success	[string]	"true" or "false"
deposit.id	[string]	The reference number assigned to the new deposit
deposit.address	[string]	The Bitcoin deposit address
deposit.requestamountbtc_int	[integer]	The requested amount of satoshis

Get Deposit

Get the latest information and status of a given deposit

POST /deposit/get/ + (json | xml)

Request

Key	Type	Description
id	[string]	The deposit id

Response

Key	Type	Description
success	[string]	"true" or "false"
deposit.id	[string]	Deposit identification number
deposit.serverdatetime	[datetime]	Current server's Date/Time
deposit.clienttracking	[string]	Your internal customer tracking number
deposit.sender	[string]	The name of person sending bitcoins
deposit.secure	[boolean]	Indicate whether the rate is secure or not
deposit.btcpercent	[integer]	The percentage of BTC based in the split option if applicable
deposit.estreceivedamount_int	[integer]	The estimated value for the BTCs received in USD cents (Applies only if your account is configured to not convert the received BTCs to USD)
deposit.requestamountusd_int	[integer]	The requested amount in USD cents
deposit.creditamountusd_int	[integer]	The credited amount in USD cents
deposit.feeusd_int	[integer]	The fee in USD cents
deposit.requestamountbtc_int	[integer]	The requested BTC amount in satoshis
deposit.feebtc_int	[integer]	The BTC fee in satoshis
deposit.address	[string]	The address expecting the BTC funds
deposit.creationdatetime	[datetime]	Deposit creation date/time
deposit.expirationdatetime	[datetime]	Deposit expiration date/time
deposit.minuteslefttoexpire	[integer]	The amount of minutes left to secure the rate
deposit.status	[string]	Indicates if deposit is "ONTIME" or "DELAYED"
deposit.charge	[boolean]	Indicates who honor the transaction fees (True=Merchant False=Sender)
deposit.status	[string]	[C="COMPLETE" O="OUT OF BOUNDS" P="PENDING" E="DOUBLE SPENT"].
deposit.txid	[string]	Transaction Hash Identifier (TXID)
deposit.confirmations	[integer]	The number of confirmations in the network. (Transactions are confirmed after 6 or more confirmations)

New Withdraw

Create a new withdraw

POST /withdraw/new/ + (json | xml)**Request**

Key	Type	Description
amountusd_int	[integer]	The amount to be sent in USD cents (1 USD = 100 cents)

Key	Type	Description
amountbtc_int	[integer]	The amount to be sent in BTC satoshis (1 BTC = 100,000,000 satoshis)
beneficiary	[string]	Name of person receiving the bitcoins
clienttracking	[string]	Your internal customer tracking
outputaddress	[string]	A valid BTC address to send the bitcoins
authorize	[boolean]	Whether to authorize or not the withdraw. If [authorize=false] authorizing the payment is possible through the ClearCollect website or calling the "/withdraw/authorize" method

Response

Key	Type	Description
success	[string]	"true" or "false"
withdraw.id	[string]	The reference number assigned to the new withdrawal

Authorize Withdraw

Authorize a withdraw instruction.

POST /withdraw/authorize/ + (json | xml)

Request

Key	Type	Description
id	[string]	The withdrawal id

Response

Key	Type	Description
success	[string]	"true" or "false"

Get Withdraw

Get current withdraw status and properties

POST /withdraw/get/ + (json | xml)

Request

Key	Type	Description
id	[string]	The withdraw id

Key	Type	Description
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Response

Key	Type	Description
success	[string]	"true" or "false"
withdraw.id	[string]	Withdrawal identification number
withdraw.serverdatetime	[datetime]	Current server's Date/Time
withdraw.clienttracking	[string]	Your internal customer tracking number
withdraw.beneficiary	[string]	Name of person receiving the bitcoins
withdraw.outputaddress	[string]	The address to send the bitcoins
withdraw.securerate	[boolean]	Indicate whether the rate is secure or not
withdraw.btcpercent	[integer]	The percentage of BTC credited
withdraw.amountusd_int	[integer]	The sent amount in USD cents
withdraw.amountbtc_int	[integer]	The send amount BTC in satoshis
withdraw.debitamountusd_int	[integer]	The debited amount in USD cents
withdraw.feeusd_int	[integer]	The USD fee in cents
withdraw.debitamountbtc_int	[integer]	The debited BTC amount in satoshis
withdraw.feebtc_int	[integer]	The BTC fee in satoshis
withdraw.creationdatetime	[datetime]	Withdrawal creation date/time
withdraw.processdatetime	[datetime]	Withdrawal process date/time
withdraw.chargemerchant	[boolean]	Indicates who honor the transaction fees (True=Merchant False=Receiver)
withdraw.txid	[string]	Transaction Hash Identifier (TXID)
withdraw.status	[string]	[C="COMPLETE" P="PENDING" E="ERROR_ADDRESS"]