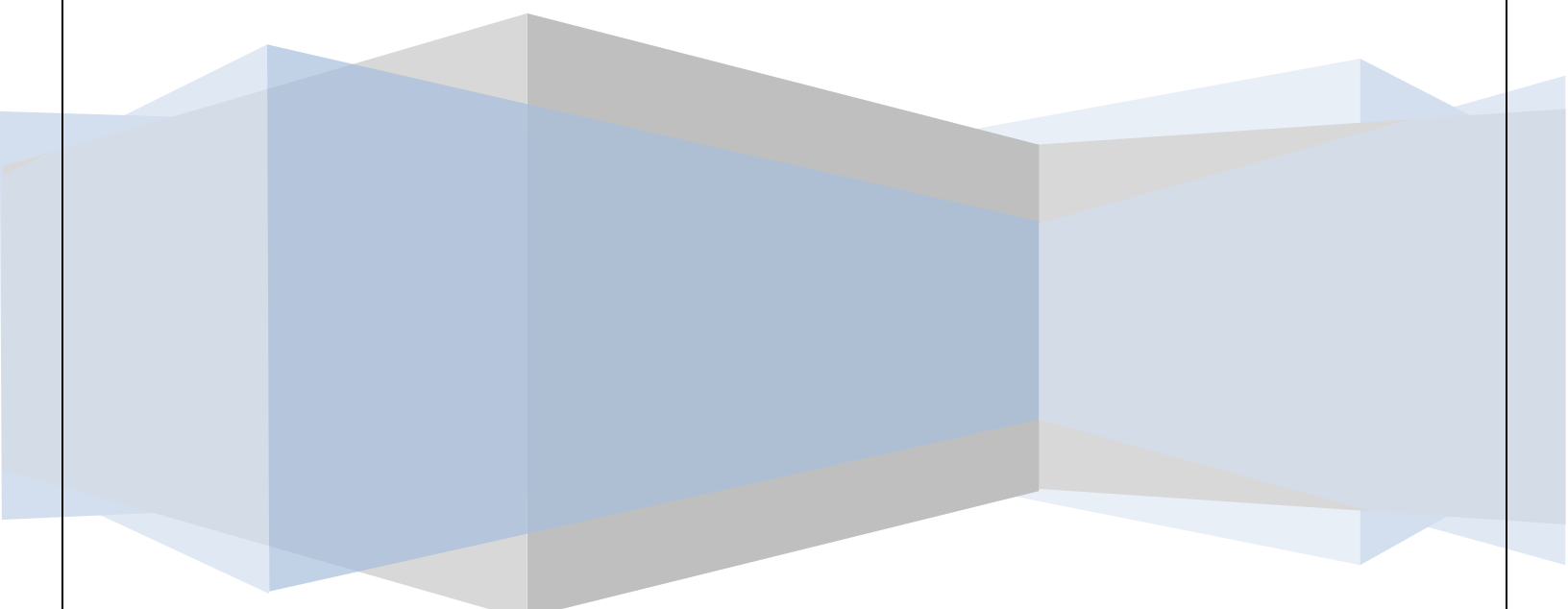


# API REFERENCE HANDBOOK

A COMPLETE GUIDE TO EXCHANGE API



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## Public Endpoints

## Orderbook

Method	Description	Input Params	Calling
GET	The summary of the exchange orderbook and its bids and asks.	selling_asset_type, selling_asset_code, selling_asset_issue, buying_asset_type, buying_asset_code, buying_asset_issue, limit	GET /order_book?selling_asset_type={selling_asset_type}&selling_asset_code={selling_asset_code}&selling_asset_issuer={selling_asset_issuer}&buying_asset_type={buying_asset_type}&buying_asset_code={buying_asset_code}&buying_asset_issuer={buying_asset_issuer}&limit={limit}

```
output:- { "bids": [ {"price_r": { "n": 100000000, "d": 12953367 }, "price": "7.7200005", "amount": "12.0000000" } ], "asks": [ { "price_r": { "n": 194, "d": 25 }, "price": "7.7600000", "amount": "238.4804125" } ] }
```

## Get All Trades

Method	Description	Input Params	Calling
GET	This endpoint represents all trades.	limit	<a href="https://billbitcoin.com/trades?order=desc&amp;&amp;limit=100">https://billbitcoin.com/trades?order=desc&amp;&amp;limit=100</a>

```
output:-{"id": "21641167678476289-0",
  "paging_token": "21641167678476289-0",
  "ledger_close_time": "2019-02-18T09:54:53Z",
  "offer_id": "697524",
  "base_account": "GATC2JDGYVPMUZMO2BGHGUUP22EQGDWCLQFN6RVJHX6ONWTY63DH6KW6",
  "base_amount": "0.0014496",
  "base_asset_type": "credit_alphanum12",
  "base_asset_code": "BTCETH",
  "base_asset_issuer":
"GATC2JDGYVPMUZMO2BGHGUUP22EQGDWCLQFN6RVJHX6ONWTY63DH6KW6",
  "counter_account": "GBXQKEPGTYHLLX6ZCWYCAIU535H2JT33AMJ7A7OZ6RHDDUUYQYRKLK44",
  "counter_amount": "0.0423203",
  "counter_asset_type": "credit_alphanum12",
  "counter_asset_code": "ETHBTC",
  "counter_asset_issuer":
"GBXQKEPGTYHLLX6ZCWYCAIU535H2JT33AMJ7A7OZ6RHDDUUYQYRKLK44",
  "base_is_seller": false,
  "price": {
    "n": 1000000,
```

```

    "d": 34253
  }
}

```

## All Assets

Method	Description	Input Params	Calling
GET	This endpoint represents all assets.	NA	<a href="https://billbitcoin.com/assets?order=desc">https://billbitcoin.com/assets?order=desc</a>

### output:-

```

{"asset_type":"credit_alphanum12","asset_code":"USDLTC","asset_issuer":"GDO54IHE5UXMWXTLZRAX
XEJW2LDZJAM3N7FTBASUYAY2KLDVRYN3SXPA","paging_token":"USDLTC_GDO54IHE5UXMWXTLZRAXX
EJW2LDZJAM3N7FTBASUYAY2KLDVRYN3SXPA_credit_alphanum12","amount":"899020.9217784","nu_a
ccounts": 52,"flags": { "auth_required":false,
"auth_revocable": false}}

```

## All Transactions

Method	Description	Input Params	Calling
GET	This endpoint represents all successful transactions.	NA	<a href="https://billbitcoin.com/transactions">https://billbitcoin.com/transactions</a>

```

outpot:- {"id":"7e46953bb1361db65c2076ddc272d86616951630d2d0e492f7139ac5576db7c1",
"paging_token": "11021375707815936",
"hash":"7e46953bb1361db65c2076ddc272d86616951630d2d0e492f7139ac5576db7c1",
"ledger": 2566114,"created_at": "2018-09-
27T10:32:18Z","source_account":"GC3DFNXC4JBOW5JB3APTNMCJGHEG5YUXGQWGGD4FJSPQZHQ4B
GKRQ3X","source_account_sequence": "10579230299521041","fee_paid": 100, "operation_count":
1,"envelope_xdr":
"envelope_xdr":"AAAAALYytuLiQut1ldgfNrBJMchU4pc0LGMPHuyfDJ4L4EyoAAAAZAAllcEAAAAARAAAAA
AAAAAAAAABAAAAAQAAAAcAsmkqxW1dFagSecGtKzYzfrb5j1EiluFqxetVt5TEkAAAAAMAAAACQkNIQIR
DAAAAAAAAAAAAAAICyaSrFbV0UCBJ5wZORnJl+tvmpUSli4WrF61W3IMSQAAAAAKJUQ0JDSAAAAAAAAAAAA
AAAAAnEcexdmbkaCwXjT6MKa5uUdiRa71034QCW9aqfluAcQAAAAACHUpQAAvJiwCYloAAAAAAAAAAAAA
AAAAAAAAAc5t5TEkAAAAEBtbJPaa/+4kKMirvlqPxyzNHPdPOm1vJspTorDqQy0YTUWXBjCW/Do874+M8f
0fEGtoaAc5zZ9Cyj0bQLDm/QHC+BMqAAAAECLfPR99r3vR9XYmMVB/5hpdb7MR58cFS44u5o4ukHv//xE1

```

```
TsIBPMPKHGZiXoKzN0VbOS5iEtIBDE1A0rqxbMB", "result_xdr": "AAAAAAAAAGQAAAAAAAAAAQAAAAA
AADAAAAAAAAAAAAAAAAAAAAAAAAAICyaSrFbV0UCBJ5wZORnJl+tvmpUSli4WrF61W3IMSQAAAAAAIqY8A
AACQkNIQIRDAAAAAAAAAAAAAAAAAICyaSrFbV0UCBJ5wZORnJl+tvmpUSli4WrF61W3IMSQAAAAAKJUQ0JDS
AAAAAAAAAAAAAAAAAAAnEcexdmbkaCwXjT6MKa5uUdiRa71034QCW9aqfluAcQAAAAACHUpJAAvJiwCYloAAA
AAAAAAAAAAAAAAAAAA=","result_meta_xdr": "AAAAAQAAAAIAAADACcn4gAAAAAAAAAAAtjK24uJC63Uh2B
82sEkxyG7ilzQsYw+FTJ8MngvgTKgAAAABKgXrXAAIcEAAAAQAAAAQAAAAAAAAAAAAAAAAAAAAEAAAAAA
AAAAAAAAAAAAAAAAAABACcn4gAAAAAAAAAAAtjK24uJC63Uh2B82sEkxyG7ilzQsYw+FTJ8MngvgTKgAAAA
BKgXrXAAIcEAAAAQAAAAQAAAAAAAAAAAAAAAAAAAAEAAAAAAABAAAAAQAAAA
AJyfiAAAAAgAAACAsmkqxW1dFagSecGtKZyZfrb5j1EiluFqxetVt5TEkAAAAAACKmPAAAAAKJDSEJUQw
AAAAAAAAAAAAACAsmkqxW1dFagSecGtKZyZfrb5j1EiluFqxetVt5TEkAAAAAJCVENCQ0gAAAAAAAAAAAA
AJxHHsXZm5GgsF40+jCmubIHkYkWu9dN+EAlvWqnyLgHEAAAAAh1KSQALyYsAmJAAAAAAAAAAAAAAAAA
AAAAAAAwAnJv4AAAAAAAAAAIcyaSrFbV0UCBJ5wZORnJl+tvmpUSli4WrF61W3IMSQAAAA6NSeEWAAEv
qiAAAR6AAAETyAAAAAAAAAAAAAAAAABAAAAAAAAAAAAAAAAAAAAAAAAAAAAQAnJ+IAAAAAAAAAAICyaSr
FbV0UCBJ5wZORnJl+tvmpUSli4WrF61W3IMSQAAAA6NSeEWAAEvqiAAAR6AAAETcAAAAAAAAAAAAAAAA
ABAAAAAAAAAAAAAAAAAAAAAAAAAAAAAwAnJv4AAAAABAAAAAICyaSrFbV0UCBJ5wZORnJl+tvmpUSli4WrF61
W3IMSQAAAAAKJUQ0JDSAAAAAAAAAAAAAAAAAAAnEcexdmbkaCwXjT6MKa5uUdiRa71034QCW9aqfluAcQAA
AAKNRQMIAWNFeFzxaYAAAAABAAAAAQAB5iNVhxiAAAAAAAAAAAAAAAAAAAAAAAAAAAAEAJyfiAAAAA
QAAAAACAsmkqxW1dFagSecGtKZyZfrb5j1EiluFqxetVt5TEkAAAAAJCVENCQ0gAAAAAAAAAAAAAJxHHsXZ
m5GgsF40+jCmubIHkYkWu9dN+EAlvWqnyLgHEAAAAcJUUDCAFjRXhc8WmAAAAAAQAAAAEAAAEYjX/s0A
AAAAAAAAAAAAAAAAAAAAAAAAAA=","fee_meta_xdr": "AAAAAgAAAMAjx9VAAAAAAAAAAAC2Mrbi4kLrdSHY
HzawSTHibuKXNCxjD4VMnwyec+BMqAAAAAEqBevAACWVwQAAABAAAAABAAAAAAAAAAAAAAAAAAAAQA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAEAJyfiAAAAAAAC2Mrbi4kLrdSHYHzawSTHibuKXNCxjD4VMnwyec+
BMqAAAAAEqBetCACWVwQAAABAAAAABAAAAAAAAAAAAAAAAAAAAQAAAAAAAAAAAAAAAAAAAAAAAAAAAA=","m
emo_type": "none", "signatures": ["bWyT2mv/uJClj7yKj8YczRz3TzptbybKU6Kw6kMtGE1FlwSQLvw6PO+P
jPH9HxBraGgHOc2fQso9G0Cw5v0Bw==" , "i3z0ffa970fV2JfQf+YaXW+zEefHBUuOLuaOLpB7//8RNU7CAT
zDyhxmyl6CszdFWzkuYhLYGQxNQNK6sWzAQ==" ]}]
```

## Ledgers By ID

Method	Description	Input Params	Calling
GET	The ledger details endpoint provides information on a single ledger.	ledger_id	<a href="https://billbitcoin.com/ledgers/2566055">https://billbitcoin.com/ledgers/2566055</a>

```
output:{"id": "31b2680fe739ba40bca607d3281b534cea1968c7a426a81b903eeb72ac3a27e0",
"paging_token": "11021122304737280",
"hash": "31b2680fe739ba40bca607d3281b534cea1968c7a426a81b903eeb72ac3a27e0",
"prev_hash": "9e9c6b2fab66e544d71f04e1dcd186e264c7c8b088f37ac66916eb8b9a3c2c1e",
"sequence": 2566055,
"transaction_count": 0,
```

```

"operation_count": 0,
"closed_at": "2018-09-27T10:27:23Z",
"total_coins": "100000000000.0000000",
"fee_pool": "7.2541000",
"base_fee_in_stroops": 100,
"base_reserve_in_stroops": 100000000,
"max_tx_set_size": 100,
"protocol_version": 10,
"header_xdr":
"AAAAcP6cay+rZuVE1x8E4dzRhuJkx8iwiPN6xmkW64uaPCweSR/LUiffj7mc4cukWw7dXmDuhblCjNLV8eD
MnfWljAkAAAAAW6ywiwAAAAAAAAAA3z9hmASpL9tAVxktxD3XSOp3itxSvEmM6AUkwBS4ERlwNbvESN
N3NswRWakBNZmA0Pd6fGAv4l0ERhmcN0YrkgAnJ6cN4Lazp2QAAAAAAAAAEUuNIAAAAAAAAAAAAAACKmN
AAAAZAX14QAAAAABkcDW7xEjTdzBMEVmpATWZgND3enxgL+JdBEYZnDdGK5IXcxHE65eUIVcCTHUrgJhR3
L1tUgTRSOjQUk8jA47k6DxNAOshFbscTpPuaX4Byl/HN1MKDFJqt/sFVq/4bMlcus7eInfTMt+q4Y/atZSFziAk
nohiov9sQpJjoGsxxVQAAAAA"
}

```

## Private Endpoints

### ACCOUNTS

#### Account Info

Method	Description	Input Params	Calling
POST	This endpoint represent user details of a single account.	user_id	user/GetUserDetails

#### Output:-

```

{"userBalanceResult":{"user_balance_id":0,"user_id":0,"fiat_balance":0.0,"btc_balance":null,"user_last_
txn_id":0,"buy_price":0.0,"sell_price":0.0,"bitcoins_bought":null,"bitcoins_sold":null,"buy_bid_rate"
:0.0,"sell_bid_rate":0.0,"crypto_currency":null,"buy_bch_price":null,"sell_bch_price":null,"bch_balance
":null,"buy_eth_price":null,"sell_eth_price":null,"eth_balance":null,"buy_hcx_price":null,"sell_hcx_price
":null,"hcx_balance":null,"crypto_balance":null,"crypto_buy_price":null,"crypto_sell_price":null,"bitcoin
Cash_bought":null,"bitcoinCash_sold":null,"ethereum_bought":null,"ethereum_sold":null,"hcx_
bought":0,"hcx_sold":0,"iec_bought":0,"iec_sold":0,"iec_balance":null,"ltc_bought":0,"ltc_sol
d":0,"ltc_balance":null,"diam_bought":null,"diam_sold":null,"diam_balance":null,"triggers_bought":0
,"triggers_sold":0,"triggers_balance":null,"trigx_bought":null,"trigx_sold":null,"trigx_balance":null},"u
serResult":{"user_id":680,"full_name":"A .

```

```
B", "address": "USA", "state": null, "city": null, "zip": null, "country": "IN", "phone": "122111", "password": null, "new_password": null, "mpin": null, "new_mpin": null, "otp": 0, "email": "arijit.biswas@hashcashconsultants.com", "ssn": "undefined", "profile_pic": "profile_pic_680.jpg", "id_proof_doc": "id_proof_doc_680.jpg", "address_proof_doc": "address_proof_doc_680.jpg", "address_proof_doc_2": "address_proof_doc_2_680.jpg", "secure_token": null, "otp_token": null, "role": null, "android_device_token": null, "ios_device_token": null, "created": "2018-11-07 06:39:11.719336", "status": 0, "imei_no": null, "temp_email": "", "check_email_phone_flag": 0, "app_type": null, "app_version": null, "two_factor_auth": 0, "two_factor_auth_key": null, "g_recaptcha_response": null, "userListResult": null, "error": {"error_data": 0, "error_msg": ""}}
```

### Deposit

Method	Description	Input Params	Calling
POST	This endpoint represent user bank details.	user_id	user/GetAdminBankDetails

### Output:-

```
user_id {"bankDetails":{"bank_details_id":0,"user_id":0,"beneficiary_name":null,"bank_name":"Bank of America","account_no":"325092847697","routing_no":"026009593","verification_amount":0.0,"bank_user_name":"HashCash Consultants PTE. LTD.", "bank_address":"Bank of America, N.A. ,P.O. Box 25118 Tampa, FL 33622-5118.", "bank_cheque":null}, "error":{"error_data":0, "error_msg":""}}
```

### Wallet Balance

Method	Description	Input Params	Calling
POST	Represents user balance details.	user_id, crypto_currency	userTransaction/GetUserBalance

### Output:-

```
{"userBalanceResult":{"user_balance_id":0,"user_id":0,"fiat_balance":0.0,"btc_balance":0.0035,"user_last_txn_id":0,"buy_price":0.0,"sell_price":0.0,"bitcoins_bought":null,"bitcoins_sold":null,"buy_bid_rate":0.0,"sell_bid_rate":0.0,"crypto_currency":null,"buy_bch_price":null,"sell_bch_price":null,"bch_balance":0.001,"buy_eth_price":null,"sell_eth_price":null,"eth_balance":0.2033,"buy_hcx_price":null,"sell_hcx_price":null,"hcx_balance":0,"crypto_balance":0.0035,"crypto_buy_price":null,"crypto_sell_price":null,"bitcoinCash_bought":null,"bitcoinCa
```

```
sh_sold":null,"ethereum_bought":null,"ethereum_sold":null,"hcx_bought":null,"hcx_sold":null,
"iec_bought":null,"iec_sold":null,"iec_balance":"0","ltc_bought":null,"ltc_sold":null,"ltc_balanc
e":"0.65627","diam_bought":null,"diam_sold":null,"diam_balance":"0","triggers_bought":null,"
triggers_sold":null,"triggers_balance":"0","trigx_bought":null,"trigx_sold":null,"trigx_balance":"
0"},"userTransactionsResult":null,"customerkeysResult":null,"paymentOrdersListResult":null,"in
voicesListResult":null,"feesListResult":null,"checkBeforeBuy":false,"totalCount":0,"error":{"erro
r_data":0,"error_msg":""}}
```

## Withdrawal

Method	Description	Input Params	Calling
POST	Represent withdrawal details.	user_id	user/GetAdminBankDetails

### Output:-

```
user_id {"bankDetails":{"bank_details_id":0,"user_id":0,"beneficiary_name":null,"bank_name":"Bank of
America","account_no":"325092847697","routing_no":"026009593","verification_amount":0.0,"bank_u
ser_name":"HashCash Consultants PTE. LTD.,"bank_address":"Bank of America, N.A. ,P.O. Box 25118 Tampa,
FL 33622-5118.,"bank_cheque":null},"error":{"error_data":0,"error_msg":""}}
```

## All Transactions

Method	Description	Input Params	Calling
POST	This endpoint represents all successful transactions.	customerID, no_of_items_per_page, page_no, time_span	userTransaction/GetUserAllTransaction

### Output:-

```
{"transaction_id":"429326","customerID":"680","debit_fiat_amount":"0","credit_fiat_amount":"0","deb
it_btc_amount":"0","credit_btc_amount":"0","debit_bch_amount":".01","credit_bch_amount":"0","deb
it_eth_amount":"0","credit_eth_amount":"0","debit_hcx_amount":"0","credit_hcx_amount":"0","debit
_iec_amount":"0","credit_iec_amount":"0","debit_ltc_amount":"0","credit_ltc_amount":"0","debit_dia
m_amount":"0","credit_diam_amount":"0","debit_triggers_amount":"0","credit_triggers_amount":"0",
"debit_trigx_amount":"0","credit_trigx_amount":"0","transaction_timestamp":"2019-01-07
```



```
16:18:50.57881", "description": "Bitcoin Cash sent to address
qzyjvyk358cvdj0pyr2flj6qz4mzmt7xyg520sn5zf", "form_date": null, "to_date": null, "btc_txn_id": null, "fiat_
txn_id": "-
", "bch_txn_id": "cde8a9fadd6da16b117612f345f5a608963c82e0d72f512f6989cd92fd4e73d1", "eth_txn_
id": "-", "hcx_txn_id": "-", "iec_txn_id": "-", "ltc_txn_id": "-", "diam_txn_id": "-", "triggers_txn_id": "-
", "trigx_txn_id": "-
", "orderid": "SD190068", "mining_fees": ".001", "chargeCGST": "0", "chargeSGST": "0", "txnCharge": "0", "cry
pto_currency": null, "status": "confirm", "action": "Send", "transaction_type": null, "currency": "bcc", "base_c
urrency": null, "price": "0", "offer_amount": "0", "offer_price": "0"}
```

## ORDERS

### New Offers

Method	Description	Input Params	Calling
POST	To create new offer.	sellingassetcode, buyingassetcode, amount, price, flag	<a href="#">tradeservice/createOffer</a>

### Output:-

```
{
  "message": "Offer Submitted Successfully",
  "offerid": "82",
  "amount": "1",
  "price": "100",
  "code": 1
}
```

### Cancel Offers

Method	Description	Input Params	Calling
--------	-------------	--------------	---------

POST	To delete existing offer	sellingassetcode, buyingassetcode, amount, Price, flag, offerid	tradeservice/createOffer
------	--------------------------	--	--------------------------

**Output:-**

```
{
  "message": "Offer Deleted Successfully"
}
```

**Modify Offers**

Method	Description	Input Params	Calling
POST	To modify existing offer.	sellingassetcode, buyingassetcode, amount, price, flag, offerid	tradeservice/createOffer

**Output:-**

```
{
  Message:" Offer updated Successfully",
  "offerid":"20",
  "amount":"0.5",
  "price":"100.000000",
  "code":"2"
}
```

**Open Offers**

Method	Description	Input Params	Calling
--------	-------------	--------------	---------

POST	Get offers by customer id.	user_id	userTrade/GetOfferByAccountID
------	----------------------------	---------	-------------------------------

**Output:-**

```
{ "userTradeBidsResult":null,"chartData":null,"tradeResult":null,"tradeListResult":null,"low":null,"high":null,"api_response":null,"totalCount":0,"error":{"error_data":0,"error_msg":"no data"}}
```

## STOPLOSS

### New Offers

Method	Description	Input Params	Calling
POST	Insert the new stop loss offers for buy & sell.	cust_id, buyingasset, sellingasset, quantity, stopprice, triggerprice, type	<a href="#">rest/MyLiquidity/insertIntoStopLoss</a>

**Output:-**

```
{"Msg":"StopLoss data inserted","error":{"error_data":0,"error_msg":""}}
```

### Cancel Offers

Method	Description	Input Params	Calling
POST	Cancel existing stop loss offers placed for individual assets.	cust_id, stoploss_id, buyassetcode, sellassetcode, quantity, modifyType,	/userTrade/ModifyStopLossBuySell

		stopprice, triggerPrice	
--	--	----------------------------	--

**Output:-**

```
{"userTradeBidsResult":null,"chartData":null,"tradeResult":null,"tradeListResult":null,"low":null,"high":null,"api_response":null,"totalCount":0,"error":{"error_data":0,"error_msg":""}}
```

**Modify Offers**

Method	Description	Input Params	Calling
POST	Update offer price & amount for existing stop loss offers placed for individual assets.	cust_Id, stoploss_Id, buyassetcode, sellassetcode, quantity, modifyType, stopprice, triggerPrice	/userTrade/ModifyStopLossBuySell

**Output:-**

```
{"userTradeBidsResult":null,"chartData":null,"tradeResult":null,"tradeListResult":null,"low":null,"high":null,"api_response":null,"totalCount":0,"error":{"error_data":0,"error_msg":""}}
```

**Active Offers**

Method	Description	Input Params	Calling
POST	View active/current stop loss offers for each assets.	user_id, buying_asset_code, selling_asset_code, txn_type	userTrade/GetStopLossBuySell

**Output:-**



```
{"userTradeBidsResult":null,"chartData":null,"tradeResult":null,"tradeListResult":null,"low":null,"high":null,"api_response":{"response\":[],"totalCount":0,"error":{"error_data":0,"error_msg":""}}
```