[Navbar](https://binance-docs.github.io/apidocs/spot/en/)

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  + [Get ETH staking history (USER\_DATA)](https://binance-docs.github.io/apidocs/spot/en/#get-eth-staking-history-user_data)
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  + [Repay - Get Loan Repayment History (USER\_DATA)](https://binance-docs.github.io/apidocs/spot/en/#repay-get-loan-repayment-history-user_data)
  + [Adjust LTV - Crypto Loan Adjust LTV (TRADE)](https://binance-docs.github.io/apidocs/spot/en/#adjust-ltv-crypto-loan-adjust-ltv-trade)
  + [Adjust LTV - Get Loan LTV Adjustment History (USER\_DATA)](https://binance-docs.github.io/apidocs/spot/en/#adjust-ltv-get-loan-ltv-adjustment-history-user_data)
  + [Get Loanable Assets Data (USER\_DATA)](https://binance-docs.github.io/apidocs/spot/en/#get-loanable-assets-data-user_data-2)
  + [Get Collateral Assets Data (USER\_DATA)](https://binance-docs.github.io/apidocs/spot/en/#get-collateral-assets-data-user_data)
  + [Check Collateral Repay Rate (USER\_DATA)](https://binance-docs.github.io/apidocs/spot/en/#check-collateral-repay-rate-user_data)
  + [Crypto Loan Customize Margin Call (TRADE)](https://binance-docs.github.io/apidocs/spot/en/#crypto-loan-customize-margin-call-trade)
  + [Borrow - Flexible Loan Borrow (TRADE)](https://binance-docs.github.io/apidocs/spot/en/#borrow-flexible-loan-borrow-trade)
  + [Borrow - Get Flexible Loan Ongoing Orders (USER\_DATA)](https://binance-docs.github.io/apidocs/spot/en/#borrow-get-flexible-loan-ongoing-orders-user_data)
  + [Borrow - Get Flexible Loan Borrow History (USER\_DATA)](https://binance-docs.github.io/apidocs/spot/en/#borrow-get-flexible-loan-borrow-history-user_data)
  + [Repay - Flexible Loan Repay (TRADE)](https://binance-docs.github.io/apidocs/spot/en/#repay-flexible-loan-repay-trade)
  + [Repay - Get Flexible Loan Repayment History (USER\_DATA)](https://binance-docs.github.io/apidocs/spot/en/#repay-get-flexible-loan-repayment-history-user_data)
  + [Adjust LTV - Flexible Loan Adjust LTV (TRADE)](https://binance-docs.github.io/apidocs/spot/en/#adjust-ltv-flexible-loan-adjust-ltv-trade)
  + [Adjust LTV - Get Flexible Loan LTV Adjustment History (USER\_DATA)](https://binance-docs.github.io/apidocs/spot/en/#adjust-ltv-get-flexible-loan-ltv-adjustment-history-user_data)
  + [Get Flexible Loan Assets Data (USER\_DATA)](https://binance-docs.github.io/apidocs/spot/en/#get-flexible-loan-assets-data-user_data)
  + [Get Flexible Loan Collateral Assets Data (USER\_DATA)](https://binance-docs.github.io/apidocs/spot/en/#get-flexible-loan-collateral-assets-data-user_data)
* [Copy Trading Endpoints](https://binance-docs.github.io/apidocs/spot/en/#copy-trading-endpoints)
  + [Get Futures Lead Trader Status (USER\_DATA)](https://binance-docs.github.io/apidocs/spot/en/#get-futures-lead-trader-status-user_data)
  + [Get Futures Lead Trading Symbol Whitelist（USER\_DATA）](https://binance-docs.github.io/apidocs/spot/en/#get-futures-lead-trading-symbol-whitelist-user_data)
* [Pay Endpoints](https://binance-docs.github.io/apidocs/spot/en/#pay-endpoints)
  + [Get Pay Trade History (USER\_DATA)](https://binance-docs.github.io/apidocs/spot/en/#get-pay-trade-history-user_data)
* [Convert Endpoints](https://binance-docs.github.io/apidocs/spot/en/#convert-endpoints)
  + [List All Convert Pairs](https://binance-docs.github.io/apidocs/spot/en/#list-all-convert-pairs)
  + [Query order quantity precision per asset (USER\_DATA)](https://binance-docs.github.io/apidocs/spot/en/#query-order-quantity-precision-per-asset-user_data)
  + [Send quote request (USER\_DATA)](https://binance-docs.github.io/apidocs/spot/en/#send-quote-request-user_data)
  + [Accept Quote (TRADE)](https://binance-docs.github.io/apidocs/spot/en/#accept-quote-trade)
  + [Order status (USER\_DATA)](https://binance-docs.github.io/apidocs/spot/en/#order-status-user_data)
  + [Place limit order (USER\_DATA)](https://binance-docs.github.io/apidocs/spot/en/#place-limit-order-user_data)
  + [Cancel limit order (USER\_DATA)](https://binance-docs.github.io/apidocs/spot/en/#cancel-limit-order-user_data)
  + [Query limit open orders (USER\_DATA)](https://binance-docs.github.io/apidocs/spot/en/#query-limit-open-orders-user_data)
  + [Get Convert Trade History (USER\_DATA)](https://binance-docs.github.io/apidocs/spot/en/#get-convert-trade-history-user_data)
* [Rebate Endpoints](https://binance-docs.github.io/apidocs/spot/en/#rebate-endpoints)
  + [Get Spot Rebate History Records (USER\_DATA)](https://binance-docs.github.io/apidocs/spot/en/#get-spot-rebate-history-records-user_data)
* [NFT Endpoints](https://binance-docs.github.io/apidocs/spot/en/#nft-endpoints)
  + [Get NFT Transaction History (USER\_DATA)](https://binance-docs.github.io/apidocs/spot/en/#get-nft-transaction-history-user_data)
  + [Get NFT Deposit History(USER\_DATA)](https://binance-docs.github.io/apidocs/spot/en/#get-nft-deposit-history-user_data)
  + [Get NFT Withdraw History (USER\_DATA)](https://binance-docs.github.io/apidocs/spot/en/#get-nft-withdraw-history-user_data)
  + [Get NFT Asset (USER\_DATA)](https://binance-docs.github.io/apidocs/spot/en/#get-nft-asset-user_data)
* [Binance Gift Card Endpoints](https://binance-docs.github.io/apidocs/spot/en/#binance-gift-card-endpoints)
  + [Create a single-token gift card (USER\_DATA)](https://binance-docs.github.io/apidocs/spot/en/#create-a-single-token-gift-card-user_data)
  + [Create a dual-token gift card (fixed value, discount feature) (TRADE)](https://binance-docs.github.io/apidocs/spot/en/#create-a-dual-token-gift-card-fixed-value-discount-feature-trade)
  + [Redeem a Binance Gift Card (USER\_DATA)](https://binance-docs.github.io/apidocs/spot/en/#redeem-a-binance-gift-card-user_data)
  + [Verify Binance Gift Card by Gift Card Number (USER\_DATA)](https://binance-docs.github.io/apidocs/spot/en/#verify-binance-gift-card-by-gift-card-number-user_data)
  + [Fetch RSA Public Key (USER\_DATA)](https://binance-docs.github.io/apidocs/spot/en/#fetch-rsa-public-key-user_data)
  + [Fetch Token Limit (USER\_DATA)](https://binance-docs.github.io/apidocs/spot/en/#fetch-token-limit-user_data)
* [Error Codes](https://binance-docs.github.io/apidocs/spot/en/#error-codes)
  + [10xx - General Server or Network issues](https://binance-docs.github.io/apidocs/spot/en/#10xx-general-server-or-network-issues)
  + [11xx - 2xxx Request issues](https://binance-docs.github.io/apidocs/spot/en/#11xx-2xxx-request-issues)
  + [3xxx-5xxx SAPI-specific issues](https://binance-docs.github.io/apidocs/spot/en/#3xxx-5xxx-sapi-specific-issues)
  + [6XXX - Savings Issues](https://binance-docs.github.io/apidocs/spot/en/#6xxx-savings-issues)
  + [70xx - Futures](https://binance-docs.github.io/apidocs/spot/en/#70xx-futures)
  + [20xxx - Futures/Spot Algo](https://binance-docs.github.io/apidocs/spot/en/#20xxx-futures-spot-algo)
  + [Filter failures](https://binance-docs.github.io/apidocs/spot/en/#filter-failures)
  + [10xxx - Crypto Loans](https://binance-docs.github.io/apidocs/spot/en/#10xxx-crypto-loans)
  + [18xxx - Binance Code](https://binance-docs.github.io/apidocs/spot/en/#18xxx-binance-code)
  + [21xxx - Portfolio Margin Account](https://binance-docs.github.io/apidocs/spot/en/#21xxx-portfolio-margin-account)
  + [Order Rejection Issues](https://binance-docs.github.io/apidocs/spot/en/#order-rejection-issues)
  + [Errors regarding POST /api/v3/order/cancelReplace](https://binance-docs.github.io/apidocs/spot/en/#errors-regarding-post-api-v3-order-cancelreplace)
* [Notes](https://binance-docs.github.io/apidocs/spot/en/#notes)
  + [Request Parameters](https://binance-docs.github.io/apidocs/spot/en/#request-parameters)
* [Binance Exchange](https://www.binance.com/)

# Change Log

**Important Documentation Notice**

Binance has launched its new [API Documentation Portal](https://developers.binance.com/en). The existing [GitHub API documentation](https://binance-docs.github.io/apidocs/spot/en/#change-log) is now deprecated(2024-06-17) and set to go offline in the upcoming few months following user migration; the exact date will be determined and communicated in due course.

During this transition phase, both sites will be maintained. However, any new services will only be published in the new portal moving forward.

Here's a reference table of the links for the current and new API documentation:

| **Functionality** | **Current Documentation** | **New Documentation** |
| --- | --- | --- |
| Spot Trading | [Current Documentation](https://binance-docs.github.io/apidocs/spot/en/#spot-trading-endpoints) | [New Documentation](https://developers.binance.com/docs/binance-spot-api-docs) |
| Spot Websocket API | [Current Documentation](https://binance-docs.github.io/apidocs/websocket_api/en/#change-log) | [New Documentation](https://developers.binance.com/docs/binance-spot-api-docs/web-socket-api) |
| Margin Trading | [Current Documentation](https://binance-docs.github.io/apidocs/spot/en/#margin-account-trade) | [New Documentation](https://developers.binance.com/docs/margin_trading) |
| Derivative UM Futures | [Current Documentation](https://binance-docs.github.io/apidocs/futures/en/#change-log) | [New Documentation](https://developers.binance.com/docs/derivatives/usds-margined-futures/general-info) |
| Derivative CM Futures | [Current Documentation](https://binance-docs.github.io/apidocs/delivery/en/) | [New Documentation](https://developers.binance.com/docs/derivatives/coin-margined-futures/general-info) |
| Derivative Options | [Current Documentation](https://binance-docs.github.io/apidocs/voptions/en/#change-log) | [New Documentation](https://developers.binance.com/docs/derivatives/option/general-info) |
| Derivative Portfolio Margin | [Current Documentation](https://binance-docs.github.io/apidocs/pm/en/#change-log) | [New Documentation](https://developers.binance.com/docs/derivatives/portfolio-margin/general-info) |
| Wallet | [Current Documentation](https://binance-docs.github.io/apidocs/spot/en/#wallet-endpoints) | [New Documentation](https://developers.binance.com/docs/wallet) |
| Sub Account | [Current Documentation](https://binance-docs.github.io/apidocs/spot/en/#sub-account-endpoints) | [New Documentation](https://developers.binance.com/docs/sub_account/Introduction) |
| Simple Earn | [Current Documentation](https://binance-docs.github.io/apidocs/spot/en/#simple-earn-endpoints) | [New Documentation](https://developers.binance.com/docs/simple_earn) |
| Dual Investment | [Current Documentation](https://binance-docs.github.io/apidocs/spot/en/#dual-investment-endpoints) | [New Documentation](https://developers.binance.com/docs/dual_investment) |
| Auto Invest | [Current Documentation](https://binance-docs.github.io/apidocs/spot/en/#auto-invest-endpoints) | [New Documentation](https://developers.binance.com/docs/auto_invest) |
| Staking | [Current Documentation](https://binance-docs.github.io/apidocs/spot/en/#staking-endpoints) | [New Documentation](https://developers.binance.com/docs/staking) |
| Mining | [Current Documentation](https://binance-docs.github.io/apidocs/spot/en/#mining-endpoints) | [New Documentation](https://developers.binance.com/docs/mining) |
| Algo Trading | [Current Documentation](https://binance-docs.github.io/apidocs/spot/en/#futures-algo-endpoints) | [New Documentation](https://developers.binance.com/docs/algo) |
| Copy Trading | [Current Documentation](https://binance-docs.github.io/apidocs/spot/en/#copy-trading-endpoints) | [New Documentation](https://developers.binance.com/docs/copy_trading) |
| Porfolio Margin Pro | [Current Documentation](https://binance-docs.github.io/apidocs/spot/en/#portfolio-margin-pro-endpoints) | [New Documentation](https://developers.binance.com/docs/derivatives/portfolio-margin-pro/general-info) |
| Fiat | [Current Documentation](https://binance-docs.github.io/apidocs/spot/en/#fiat-endpoints) | [New Documentation](https://developers.binance.com/docs/fiat) |
| C2C | [Current Documentation](https://binance-docs.github.io/apidocs/spot/en/#c2c-endpoints) | [New Documentation](https://developers.binance.com/docs/c2c) |
| VIP Loan | [Current Documentation](https://binance-docs.github.io/apidocs/spot/en/#vip-loans-endpoints) | [New Documentation](https://developers.binance.com/docs/vip_loan) |
| Crypto Loan | [Current Documentation](https://binance-docs.github.io/apidocs/spot/en/#crypto-loans-endpoints) | [New Documentation](https://developers.binance.com/docs/crypto_loan) |
| Pay | [Current Documentation](https://binance-docs.github.io/apidocs/spot/en/#pay-endpoints) | [New Documentation](https://developers.binance.com/docs/binance-pay) |
| Convert | [Current Documentation](https://binance-docs.github.io/apidocs/spot/en/#convert-endpoints) | [New Documentation](https://developers.binance.com/docs/convert) |
| Rebate | [Current Documentation](https://binance-docs.github.io/apidocs/spot/en/#rebate-endpoints) | [New Documentation](https://developers.binance.com/docs/rebate) |
| NFT | [Current Documentation](https://binance-docs.github.io/apidocs/spot/en/#nft-endpoints) | [New Documentation](https://developers.binance.com/docs/nft) |
| Gift Card | [Current Documentation](https://binance-docs.github.io/apidocs/spot/en/#binance-gift-card-endpoints) | [New Documentation](https://developers.binance.com/docs/gift_card) |

**2024-12-09**

**Notice:** The changes below will be rolled out starting at **2024-12-12** and may take approximately a week to complete.

General Changes

* Timestamp parameters now reject values too far into the past or the future. To be specific, the parameter will be rejected if:
  + timestamp before 2017-01-01 (less than 1483228800000)
  + timestamp is more than 10 seconds after the current time (e.g., if current time is 1729745280000 then it is an error to use 1729745291000 or greater)
* If startTime and/or endTime values are outside of range, the values will be adjusted to fit the correct range.
* The field for quote order quantity (origQuoteOrderQty) has been added to responses that previously did not have it. Note that for order placement endpoints the field will only appear for requests with newOrderRespType set to RESULT or FULL.
  + Please refer to the table below for affected requests with: origQuoteOrderQty:

| **Service** | **Request** |
| --- | --- |
| REST | POST /api/v3/order |
|  | POST /api/v3/sor/order |
|  | POST /api/v3/order/oco |
|  | POST /api/v3/orderList/oco |
|  | POST /api/v3/orderList/oto |
|  | POST /api/v3/orderList/otoco |
|  | DELETE /api/v3/order |
|  | DELETE /api/v3/orderList |
|  | POST /api/v3/order/cancelReplace |
| WebSocket API | order.place |
|  | sor.order.place |
|  | orderList.place |
|  | orderList.place.oco |
|  | orderList.place.oto |
|  | orderList.place.otoco |
|  | order.cancel |
|  | orderList.cancel |
|  | order.cancelReplace |

SBE

* A new schema 2:1 [spot\_2\_1.xml](https://github.com/binance/binance-spot-api-docs/blob/master/sbe/schemas/spot_2_1.xml) has been released. The current schema 2:0 [spot\_2\_0.xml](https://github.com/binance/binance-spot-api-docs/blob/master/sbe/schemas/spot_2_0.xml) will thus be deprecated, and retired from the API in 6 months as per our schema deprecation policy.
* Schema 2:1 is a backward compatible update of schema 2:0. You will always receive payloads in 2:1 format when you request either schema 2:0 or 2:1.
* Changes in SBE schema 2:1:
  + New field origQuoteOrderQty in order placement/cancellation responses (Note: Decoders generated using the 2:0 schema will skip this field.):
  + NewOrderResultResponse
  + NewOrderFullResponse
  + CancelOrderResponse
  + NewOrderListResultResponse
  + NewOrderListFullResponse
  + CancelOrderListResponse
  + WebSocket API only: New field userDataStream in session status responses:
  + WebSocketSessionLogonResponse
  + WebSocketSessionStatusResponse
  + WebSocketSessionLogoutResponse
  + WebSocket API only: New messages for User Data Stream support:
  + UserDataStreamSubscribeResponse
  + UserDataStreamUnsubscribeResponse
  + BalanceUpdateEvent
  + EventStreamTerminatedEvent
  + ExecutionReportEvent
  + ExternalLockUpdateEvent
  + ListStatusEvent
  + OutboundAccountPositionEvent

User Data Stream

* WebSocket API only: New event eventStreamTerminated is emitted when you either logout from your websocket session or you have unsubscribed from the user data stream.
* New event externalLockUpdate is sent when your spot wallet balance is locked/unlocked by an external system.

The following changes will occur **between 2024-12-16 to 2024-12-20**:

* Fixed a bug that prevented orders from being placed when submitting OCOs on the BUY side without providing a stopPrice.
* TAKE\_PROFIT and TAKE\_PROFIT\_LIMIT support has been added for OCOs.
  + Previously OCOs could only be composed by the following order types:
  + LIMIT\_MAKER + STOP\_LOSS
  + LIMIT\_MAKER + STOP\_LOSS\_LIMIT
  + Now OCOs can be composed of the following order types:
  + LIMIT\_MAKER + STOP\_LOSS
  + LIMIT\_MAKER + STOP\_LOSS\_LIMIT
  + TAKE\_PROFIT + STOP\_LOSS
  + TAKE\_PROFIT + STOP\_LOSS\_LIMIT
  + TAKE\_PROFIT\_LIMIT + STOP\_LOSS
  + TAKE\_PROFIT\_LIMIT + STOP\_LOSS\_LIMIT
  + This is supported by the following requests:
  + POST /api/v3/orderList/oco
  + POST /api/v3/orderList/otoco
  + orderList.place.oco
  + orderList.place.otoco
  + NewOrderList<E>
  + Error code -1167 will be obsolete after this update and will be removed from the documentation in a later update.

**2024-10-18**

REST and WebSocket API:

* Reminder that SBE 1:0 schema will be disabled on 2024-10-25, [6 months after being deprecated](https://github.com/binance/binance-spot-api-docs/blob/master/faqs/sbe_faq.md), as per our SBE policy.
* The [SBE lifecycle for Prod](https://github.com/binance/binance-spot-api-docs/blob/master/sbe/schemas/sbe_schema_lifecycle_prod.json) has been updated to reflect this change.

**2024-10-17**

Changes to Exchange Information (i.e. GET /api/v3/exchangeInfo from REST and exchangeInfofor WebSocket API).

* A new optional parameter showPermissionSets can be used to hide the permissions from permissionsSets; This can be used for a reduced payload size.
* A new optional parameter symbolStatus can now be used to only show symbols with the specified status. (e.g. TRADING, HALT, BREAK).

**2024-09-02**

* [Spot Unfilled Order Count Rules](https://github.com/binance/binance-spot-api-docs/blob/master/faqs/order_count_decrement.md) have been updated to explain how to decrease your unfilled order count when placing orders.

**2024-08-16**

**Notice:** The changes below are being rolled out gradually, and may take approximately a week to complete.

SPOT API: \* New error message have been added when quote quantity market orders (aka reverse market orders) are rejected in low-liquidity situations.

**2024-07-22**

SPOT API

* Fixed a bug where klines had incorrect timestamps.
  + REST API: GET /api/v3/klines and GET /api/v3/uiKlines with timeZone parameter
  + WebSocket API: klines and uiKlines with timeZone parameter
  + WebSocket Streams: <symbol>@kline\_<interval>@+08:00 streams

**2024-06-11**

* On **June 11, 05:00 UTC**, One-Triggers-the-Other (OTO) orders and One-Triggers-a-One-Cancels-The-Other (OTOCO) orders will be enabled. (Note this may take a few hours to be rolled out to all servers.)   
  For more information, please refer to the following pages:
  + [OTO](https://binance-docs.github.io/apidocs/spot/en/#new-order-list---oto-trade)
  + [OTOCO](https://binance-docs.github.io/apidocs/spot/en/#new-order-list---otoco-trade)
* On **June 18, 05:00 UTC**, Buyer order ID b and Seller order ID a will be removed from the Trade Streams (i.e. <symbol>@trade). (Note that this may take a few hours to be rolled out to all servers.)
  + [WebSocket Streams](https://binance-docs.github.io/apidocs/spot/en/#websocket-market-streams) has been updated regarding this change.
  + To monitor if your order was part of a trade, please listen to the [User Data Streams](https://binance-docs.github.io/apidocs/spot/en/#user-data-streams).

**2024-06-06**

This will be available by **June 6, 11:59 UTC**.

SPOT API

* orderRateLimitExceededMode has been added to POST /api/v3/order/cancelReplace.

**2024-06-04**

* New Copy Trading Endpoint:
  + GET /sapi/v1/copyTrading/futures/userStatus: get futures lead trader status
  + GET /sapi/v1/copyTrading/futures/leadSymbol: get futures lead trading symbol whitelist
* Wallet Endpoints adjustment: for internal transfers, the txid prefix has been replaced to “Off-chain transfer”on 28 May 2024. “internal transfer” flag is no longer available in the TXID field, including historical transactions, the following endpoints are impacted:
  + GET /sapi/v1/capital/deposit/hisrec
  + GET /sapi/v1/capital/withdraw/history
  + GET /sapi/v1/capital/deposit/subHisrec

**2024-05-30**

WebSocket Streams

* Kline/Candlestick streams can now support a UTC+8:00 timezone offset. (e.g. btcusdt@kline\_1d@+08:00)

**2024-05-22**

* Update Sub Account Endpoint:
  + GET /sapi/v1/sub-account/transfer/subUserHistory: update response field fromAccountType and toAccountType. Return USDT\_FUTURE/COIN\_FUTURE in order to differentiate 2 futures wallets.
* New Wallet Endpoint:
  + GET /sapi/v1/account/info: To fetch the “VIP Level”, “whether Margin account is enabled” and “whether Futures account is enabled”

**2024-04-18**

* New Wallet Endpoint:
  + GET /sapi/v1/capital/withdraw/address/list: Fetch withdraw address list

**2024-04-10**

The following changes have been postponed to take effect on **April 25, 05:00 UTC**

* Symbol permission information in Exchange Information responses has moved from field permissions to field permissionSets.
* Field permissions will be empty and will be removed in a future release.
* Previously, "permissions":["SPOT","MARGIN"] meant that you could place an order on the symbol if your account had SPOT or MARGIN permissions.   
  The equivalent is "permissionSets":[["SPOT","MARGIN"]]. (Note the extra set of square brackets.)   
  Each array of permissions inside the permissionSets array is called a "permission set".
* Symbol permissions can now be more complex.   
  "permissionSets":[["SPOT","MARGIN"],["TRD\_GRP\_004","TRD\_GRP\_005"]] means that you may place an order on the symbol if your account has SPOT or MARGIN permissions **and** TRD\_GRP\_004 or TRD\_GRP\_005 permissions.   
  There may be an arbitrary number of permission sets in a symbol's permissionSets.
* otoAllowed will now appear on GET /api/v3/exchangeInfo, that indicates if One-Triggers-the-Other (OTO) orders are supported on that symbol.

SBE

* A new schema 2:0 [spot\_2\_0.xml](https://github.com/binance/binance-spot-api-docs/blob/master/sbe/schemas/spot_2_0.xml) has been released. The current schema 1:0 [spot\_1\_0.xml](https://github.com/binance/binance-spot-api-docs/blob/becd4d44a09d94821d2dc761ba9197aae8b495c3/sbe/schemas/spot_1_0.xml) will thus be deprecated, and retired from the API in 6 months as per our schema deprecation policy.
* When using schema 1:0 on REST API or WebSocket API, group "permissions" in message "ExchangeInfoResponse" will always be empty. Upgrade to schema 2:0 to find permission information in group "permissionSets". See General changes above for more details.
* Deprecated OCO requests will still be supported by the latest schema.
* Note that trying to use schema 2:0 before it is actually released will result in an error.

**2024-04-08**

* Update Gift Card Endpoint:
  + POST /sapi/v1/giftcard/createCode: add response field expiredTime
  + POST /sapi/v1/giftcard/buyCode: add response field expiredTime
* Update Wallet Endpoint:
  + GET /sapi/v1/capital/config/getall: will remove response field resetAddressStatus on 2024-05-16

**2024-04-02**

**Notice:** The changes below are being rolled out gradually, and will take approximately a week to complete.

* GET /api/v3/account has a new optional parameter omitZeroBalances, which if enabled hides all zero balances.
* **The weight of the following requests has been increased from 10 to 25 (This will take effect on April 4, 2024)**:
  + GET /api/v3/trades
  + GET /api/v3/historicalTrades
* The POST /api/v3/order/oco endpoint is now deprecated on the REST API. You should use the new POST /api/v3/orderList/oco endpoint instead. Note that this new endpoint uses different parameters.

User Data Stream:

* New event listenKeyExpired that will be emitted in the streams if the listenKey expired.

**The following will take effect approximately a week after the release date:**

* Symbol permission information in Exchange Information responses has moved from field permissions to field permissionSets.
* Field permissions will be empty and will be removed in a future release.
* Previously, "permissions":["SPOT","MARGIN"] meant that you could place an order on the symbol if your account had SPOT or MARGIN permissions.   
  The equivalent is "permissionSets":[["SPOT","MARGIN"]]. (Note the extra set of square brackets.)   
  Each array of permissions inside the permissionSets array is called a "permission set".
* Symbol permissions can now be more complex.   
  "permissionSets":[["SPOT","MARGIN"],["TRD\_GRP\_004","TRD\_GRP\_005"]] means that you may place an order on the symbol if your account has SPOT or MARGIN permissions **and** TRD\_GRP\_004 or TRD\_GRP\_005 permissions.   
  There may be an arbitrary number of permission sets in a symbol's permissionSets.
* otoAllowed will now appear on GET /api/v3/exchangeInfo, that indicates if One-Triggers-the-Other (OTO) orders are supported on that symbol.

SBE

* A new schema 2:0 [spot\_2\_0.xml](https://github.com/binance/binance-spot-api-docs/blob/master/sbe/schemas/spot_2_0.xml) has been released. The current schema 1:0 [spot\_1\_0.xml](https://github.com/binance/binance-spot-api-docs/blob/becd4d44a09d94821d2dc761ba9197aae8b495c3/sbe/schemas/spot_1_0.xml) will thus be deprecated, and retired from the API in 6 months as per our schema deprecation policy.
* When using schema 1:0 on REST API or WebSocket API, group "permissions" in message "ExchangeInfoResponse" will always be empty. Upgrade to schema 2:0 to find permission information in group "permissionSets". See General changes above for more details.
* Deprecated OCO requests will still be supported by the latest schema.
* Note that trying to use schema 2:0 before it is actually released will result in an error.

**2024-02-28**

**This will take effect on March 5, 2024.**

Simple Binary Encoding (SBE) will be added to the live exchange, both for the Rest API and WebSocket API on SPOT.

For more information on SBE, please refer to the [FAQ](https://github.com/binance/binance-spot-api-docs/blob/master/faqs/sbe_faq.md).

**2024-02-27**

* Following the latest [upgrade](https://www.binance.com/en/support/announcement/binance-upgrades-binance-loans-flexible-rate-2024-02-27-d35942110b53480581773fc62a3e6eae) on Binance Loans
  + Binance Loans has added the following /v2 SAPI endpoints at 2024-02-27 08:00 (UTC). Users may utilize v2 SAPI endpoints to place, repay, and manage new Binance Loans (Flexible Rate) orders created after 2024-02-27 08:00 (UTC).
    - POST /sapi/v2/loan/flexible/borrow
    - GET /sapi/v2/loan/flexible/ongoing/orders
    - GET /sapi/v2/loan/flexible/borrow/history
    - POST /sapi/v2/loan/flexible/repay
    - GET /sapi/v2/loan/flexible/repay/history
    - POST /sapi/v2/loan/flexible/adjust/ltv
    - GET /sapi/v2/loan/flexible/ltv/adjustment/history
    - GET /sapi/v2/loan/flexible/loanable/data
    - GET /sapi/v2/loan/flexible/collateral/data
  + In addition, Binance Loans will be retiring its /v1 SAPI endpoints at the following timings:
    - At 2024-02-27 08:00 (UTC):
    - POST /sapi/v1/loan/flexible/borrow
    - GET /sapi/v1/loan/flexible/loanable/data
    - GET /sapi/v1/loan/flexible/collateral/data
    - At 2024-04-24 03:00 (UTC):
    - GET /sapi/v1/loan/flexible/ongoing/orders
    - POST /sapi/v1/loan/flexible/repay
    - POST /sapi/v1/loan/flexible/adjust/ltv
    - Binance Loans will also continue to maintain the following /v1 SAPI endpoints for users to check their Binance Loans (Flexible Rate) order history before 2024-02-27 08:00 (UTC).
    - GET /sapi/v1/loan/flexible/borrow/history
    - GET /sapi/v1/loan/flexible/repay/history
    - GET /sapi/v1/loan/flexible/ltv/adjustment/history

**2024-02-23**

* New Endpoints for Convert:
  + GET /sapi/v1/dci/product/list: Get Dual Investment product list
  + POST /sapi/v1/dci/product/subscribe: Subscribe Dual Investment products
  + GET /sapi/v1/dci/product/positions: Get Dual Investment positions (batch)
  + GET /sapi/v1/dci/product/accounts: Check Dual Investment accounts
  + POST /sapi/v1/dci/product/auto\_compound/edit-status: Change Auto-Compound status

**2024-02-08**

The SPOT WebSocket API can now support SBE on [SPOT Testnet](https://testnet.binance.vision/).

The SBE schema has been updated with WebSocket API metadata without incrementing either schemaId or version.

Users using SBE only on the REST API may continue to use the SBE schema with git commit hash [128b94b2591944a536ae427626b795000100cf1d](https://github.com/binance/binance-spot-api-docs/blob/128b94b2591944a536ae427626b795000100cf1d/sbe/schemas/spot_1_0.xml) or update to the newly-published SBE schema.

Users who want to use SBE on the WebSocket API must use the [newly-published SBE schema](https://github.com/binance/binance-spot-api-docs/blob/becd4d44a09d94821d2dc761ba9197aae8b495c3/sbe/schemas/spot_1_0.xml).

The [FAQ](https://github.com/binance/binance-spot-api-docs/blob/master/faqs/sbe_faq.md) for SBE has been updated.

**2024-01-24**

* New Endpoints for Convert:
  + POST /sapi/v1/convert/limit/placeOrder: Place convert limit order
  + POST /sapi/v1/convert/limit/cancelOrder: Cancel convert limit order
  + GET /sapi/v1/convert/limit/queryOpenOrders: Query convert limit open orders

**2024-01-19**

* According to the [announcement](https://www.binance.com/en/support/announcement/updates-on-binance-liquid-swap-services-2024-01-19-05734e52735e488a9c5f229c3824bd08), Binance Earn will disable the following BSwap SAPI endpoints and websocket at 2024-01-26 04:00 (UTC):
  + GET /sapi/v1/bswap/pools
  + GET /sapi/v1/bswap/liquidity
  + POST /sapi/v1/bswap/liquidityAdd
  + POST /sapi/v1/bswap/liquidityRemove
  + GET /sapi/v1/bswap/liquidityOps
  + GET /sapi/v1/bswap/quote
  + POST /sapi/v1/bswap/swap
  + GET /sapi/v1/bswap/swap
  + GET /sapi/v1/bswap/poolConfigure
  + GET /sapi/v1/bswap/addLiquidityPreview
  + GET /sapi/v1/bswap/removeLiquidityPreview
  + GET /sapi/v1/bswap/unclaimedRewards
  + POST /sapi/v1/bswap/claimRewards
  + GET /sapi/v1/bswap/claimedHistory
  + wss://api.binance.com/sapi/wss for BSwap streams earn\_swapprice\_<poolid> and earn\_swapprice\_all
* According to the [announcement](https://www.binance.com/en/support/announcement/notice-regarding-the-removal-of-binance-defi-staking-products-2024-01-09-8d20bf4db660493a87f2f94d41071d67), Binance Earn disable the following Staking SAPI endpoints at 2024-01-09 06:00 (UTC):
  + GET /sapi/v1/staking/productList
  + POST /sapi/v1/staking/purchase
  + POST /sapi/v1/staking/redeem
  + GET /sapi/v1/staking/position
  + GET /sapi/v1/staking/stakingRecord
  + POST /sapi/v1/staking/setAutoStaking
  + GET /sapi/v1/staking/personalLeftQuota

**2024-01-15**

* New Endpoints for Wallet:
  + GET /sapi/v1/spot/delist-schedule: Query spot delist schedule
* Update Endpoints for Wallet:
  + GET /sapi/v1/asset/dribblet：add parameter accountType
  + POST /sapi/v1/asset/dust-btc：add parameter accountType
  + POST /sapi/v1/asset/dust：add parameter accountType

**2024-01-09**

* According to the [announcement](https://www.binance.com/en/support/announcement/updates-on-binance-margin-sapi-endpoints-2024-03-31-a1868c686ce7448da8c3061a82a87b0c), Binance Margin will remove the following SAPI interfaces at 4:00 on March 31, 2024 (UTC). Please switch to the corresponding alternative interfaces in time:
  + POST /sapi/v1/margin/transfer will be removed, please replace with POST /sapi/v1/asset/transfer universal transfer
  + POST /sapi/v1/margin/isolated/transfer will be removed, please replace with POST /sapi/v1/asset/transfer universal transfer
  + POST /sapi/v1/margin/loan will be removed, please replace with the new POST /sapi/v1/margin/borrow-repay borrowing and repayment interface
  + POST /sapi/v1/margin/repay will be removed, please replace with the new POST /sapi/v1/margin/borrow-repay borrowing and repayment interface
  + GET /sapi/v1/margin/isolated/transfer will be removed, please replace it with GET /sapi/v1/margin/transfer to get total margin transfer history
  + GET /sapi/v1/margin/asset will be removed, please replace with GET /sapi/v1/margin/allAssets
  + GET /sapi/v1/margin/pair will be removed, please replace with GET /sapi/v1/margin/allPairs
  + GET /sapi/v1/margin/isolated/pair will be removed, please replace with GET /sapi/v1/margin/isolated/allPairs
  + GET /sapi/v1/margin/loan will be removed, please replace with GET /sapi/v1/margin/borrow-repay
  + GET /sapi/v1/margin/repay will be removed, please replace with GET /sapi/v1/margin/borrow-repay
  + GET /sapi/v1/margin/dribblet will be removed, please replace with GET /sapi/v1/asset/dribblet
  + GET /sapi/v1/margin/dust will be removed, please replace with POST /sapi/v1/asset/dust-btc
  + POST /sapi/v1/margin/dust will be removed, please replace with POST /sapi/v1/asset/dust
* New Endpoints for Margin:
  + POST /sapi/v1/margin/borrow-repay: Margin account borrow/repay
  + GET /sapi/v1/margin/borrow-repay: Query borrow/repay records in Margin account
* Update Endpoints fpr Margin:
  + GET /sapi/v1/margin/transfer: add parameter isolatedSymbol, add response body
  + GET /sapi/v1/margin/allAssets: add parameter asset, add response body
  + GET /sapi/v1/margin/allPairs: add parameter symbol
  + GET /sapi/v1/margin/isolated/allPairs: add parameter symbol

**2023-12-22**

* Binance will disable the following Staking SAPI endpoints at 2024-03-31 04:00:
  + GET /sapi/v1/eth-staking/eth/history/wbethRewardsHistory: add new endpoint to query WBETH income record
  + POST /sapi/v2/eth-staking/eth/stake: add new endpoint to stake ETH to get WBETH. Current v1 endpoint POST /sapi/v1/eth-staking/eth/stake will be deprecated in the future, with the exact timing to be determined.
  + GET /sapi/v2/eth-staking/account: add new endpoint to query positions and 30-day earnings of staked ETH. Current v1 endpoint GET /sapi/v1/eth-staking/account will be deprecated in the future, with the exact timing to be determined.
  + POST /sapi/v1/eth-staking/wbeth/unwrap: delete this endpoint, POST /sapi/v1/eth-staking/eth/redeem is able to achieve same functionality
  + POST /sapi/v1/eth-staking/eth/redeem: Add new parameter asset, add new response fieldsethAmount, conversionRatio
  + GET /sapi/v1/eth-staking/eth/history/stakingHistory: add new response fields distributeAsset, distributeAmount, conversionRatio
  + GET /sapi/v1/eth-staking/eth/history/redemptionHistory add new response fields asset, distributeAsset, distributeAmount, conversionRatio
  + POST /sapi/v1/eth-staking/wbeth/wrap: add new response fields wbethAmount, exchangeRate
* New Websocket for Margin Trading:
  + New Base url wss://margin-stream.binance.com for two events: Liability update event and Margin call event

**2023-12-08**

Simple Binary Encoding (SBE) has been added to [SPOT Testnet](https://testnet.binance.vision/).

This will be added to the live exchange at a later date.

For more information on what SBE is, please refer to the [FAQ](https://github.com/binance/binance-spot-api-docs/blob/master/faqs/sbe_faq.md)

**2023-12-04**

**Notice:** The changes below are being rolled out gradually, and will take approximately a week to complete.

General Changes:

* Error message Precision is over the maximum defined for this asset. has been changed to Parameter '%s' has too much precision.
  + This error message is returned when a parameter has more precision than allowed: e.g. if base asset precision is 6 and quantity=0.1234567 then this error message will appear.
  + This affects all requests with the following parameters:
    - quantity
    - quoteOrderQty
    - icebergQty
    - limitIcebergQty
    - stopIcebergQty
    - price
    - stopPrice
    - stopLimitPrice
* Requests for open OCO (GET /api/v3/openOrderList) now correctly return results in **ascending order**.
* Requests for all OCO (GET /api/v3/allOrderList) now correctly return results in **ascending order** when startTime or fromId are specified.
* Fixed a bug where order query (GET /api/v3/order)requests would incorrectly return -2026 ORDER\_ARCHIVED error for newly placed orders.

SPOT API

* New endpoint GET /api/v3/account/commission
* New endpoint GET /api/v3/ticker/tradingDay
* GET /api/v3/avgPrice response has a new field closeTime, indicating the last trade time.
* GET /api/v3/klines and /api/v3/uiKlines have a new optional parameter timeZone.
* POST /api/v3/order/test and POST /api/v3/sor/order/test have a new optional parameter computeCommissionRates.
* Changes regarding invalid endpoints being sent:
  + Previously, if you query an non-existing endpoint (e.g. curl -X GET "https://api.binance.com/api/v3/exchangie) you would get a HTTP 404 code with the response <html><body><h2>404 Not found</h2></body></html>
  + From now on the HTML response will only appear if the Accept request header has text/html for this situation. The HTTP code will remain the same.

WebSocket Streams

* New stream <symbol>@avgPrice
* id now supports the same values as used for id in the WebSocket API:
  + 64-bit signed integers (previously this was unsigned)
  + Alphanumeric strings, max of 36 in length
  + null
* Fixed a bug where unsolicited pongs sent before the ping would cause disconnection.

User Data Streams

* When an event of type executionReport has an execution type (x) of TRADE\_PREVENTION, fields l, L and Y will now always be 0. New fields pl, pL and pY will describe the prevented execution quantity, prevented execution price, and prevented execution notional instead. These new fields show the values of what would l, L and Y have been if the taker order didn't have self-trade prevention enabled.

**The following will take effect approximately a week after the release date:**

* Symbol Permissions will only affect order placement, not cancellation.
  + permissions still apply to Cancel-Replace orders (i.e. The cancellation won't be allowed if your account does have the permission to place an order using this request.)

**2023-11-21**

* New endpoint for Wallet:
  + GET /sapi/v1/capital/deposit/address/list: Fetch deposit address list with network.
* Update endpoints for Margin
  + POST /sapi/v1/margin/order：New enumerate value AUTO\_BORROW\_REPAY for the field of sideEffectType
  + POST /sapi/v1/margin/order/oco：New enumerate value AUTO\_BORROW\_REPAY for the field of sideEffectType
  + GET /sapi/v1/margin/available-inventory：New response field of updateTime which indicates the acquisition time of lending inventory.

**2023-11-17**

* New endpoint for Margin to support cross margin Pro mode[FAQ](https://www.binance.com/en/support/faq/introduction-to-binance-cross-margin-pro-0b5441a1c1ff431bb2e135dfa8e6ffba):
  + GET /sapi/v1/margin/leverageBracket: query Liability coin leverage bracket in cross margin Pro mode
* Update endpoints for Margin:
  + POST /sapi/v1/margin/max-leverage: field maxLeverage adds value 10 for Cross Margin Pro
  + GET /sapi/v1/margin/account: add new response field accountType, MARGIN\_2 for Cross Margin Pro

**2023-11-02**

* Changes to Wallet Endpoint:
  + GET /sapi/v1/account/apiRestrictions: add new response field enablePortfolioMarginTrading

**2023-10-19**

**Effective on 2023-10-19 00:00 UTC**

The request weights of the following requests have been increased:

|  |  |  |  |
| --- | --- | --- | --- |
| **SPOT API** | **Condition** | **Previous Request Weight** | **New Request Weight** |
| GET /api/v3/trades | N/A | 2 | 10 |
| GET /api/v3/depth | **Limit 1-100** | 2 | 5 |
| **Limit 101-500** | 10 | 25 |
| **Limit 501-1000** | 20 | 50 |
| **Limit 1001-5000** | 100 | 250 |

**2023-10-16**

* New endpoint for Margin:
  + GET /sapi/v1/margin/available-inventory: Query margin available inventory
  + POST /sapi/v1/margin/manual-liquidation: Margin manual liquidation

**2023-10-11**

* New endpoint for VIP Loans:
  + GET /sapi/v1/loan/vip/request/interestRate: Get Borrow Interest Rate

**2023-10-03**

* **Order decrement feature went live at 06:15 UTC.**
* For more information on this feature, please refer to our [FAQ](https://github.com/binance/binance-spot-api-docs/tree/master/faqs/order_count_decrement.md)

**2023-09-25**

* New endpoint for Futures:
  + GET /sapi/v1/futures/histDataLink: query futures ticklevel orderbook historicak data download link
* Delete Futures cross collateral endpoint(offline on 2022):
  + GET /sapi/v1/futures/loan/borrow/history
  + GET /sapi/v1/futures/loan/repay/history
  + GET /sapi/v2/futures/loan/wallet
  + GET /sapi/v1/futures/loan/adjustCollateral/history
  + GET /sapi/v1/futures/loan/liquidationHistory
  + GET /sapi/v1/futures/loan/interestHistory

**2023-09-22**

* New endpoints for Wallet:
  + GET /sapi/v1/asset/wallet/balance: query user wallet balance
  + GET /sapi/v1/asset/custody/transfer-history: query user delegation history(For Master Account)
* Changes to VIP loan Endpoint:
  + GET /sapi/v1/loan/vip/loanable/data: add new response fields \_flexibleDailyInterestRate,\_flexibleYearlyInterestRate
  + GET /sapi/v1/loan/vip/ongoing/orders: add new response fields loanDate，loanRate，loanTerm，expirationTime
* Changes to Portfolio Margin Pro Endpoint:
  + POST /sapi/v1/portfolio/repay: add paramater from

**2023-09-18**

* New endpoints for Auto-Invest:
  + GET /sapi/v1/lending/auto-invest/index/info: query index details
  + GET /sapi/v1/lending/auto-invest/index/user-summary: query index linked plan position details
  + POST /sapi/v1/lending/auto-invest/one-off: One Time transaction
  + GET /sapi/v1/lending/auto-invest/one-off/status: query one-time transaction status
  + POST /sapi/v1/lending/auto-invest/redeem: index linked plan redemption
  + GET /sapi/v1/lending/auto-invest/redeem/history:query index Linked plan Redemption history
  + GET /sapi/v1/lending/auto-invest/rebalance/history: query index linked plan rebalance details
* Changes to Margin Endpoint GET /sapi/v1/margin/isolated/transfer:
  + Add request field type
  + Delete request field transFrom,transTo

**2023-09-14**

* New endpoint for Portfolio Margin Pro:
  + GET /sapi/v1/portfolio/margin-asset-leverage: Get Portfolio Margin Asset Leverage
* The api key permission for the following endpoints changed from enable Enable Spot & Margin Trading to enable Permits Universal Transfer
  + POST /sapi/v1/portfolio/auto-collection
  + POST /sapi/v1/portfolio/asset-collection
  + POST /sapi/v1/portfolio/bnb-transfer

**2023-09-04**

* Rate limit adjustment for Wallet Endpoint:
  + GET /sapi/v1/capital/withdraw/history: UID rate limit is adjusted to 18000, maxmium 10 requests per second. Please refer to the endpoint description for detail

**2023-08-31**

* New endpoint for Margin:
  + /sapi/v1/margin/capital-flow: Get cross or isolated margin capital flow

**2023-08-26**

* Changes to Simple Earn endpoints:
  + GET /sapi/v1/simple-earn/flexible/history/subscriptionRecord: new fields in response: sourceAccount,amtFromSpot,amtFromFunding
  + GET /sapi/v1/simple-earn/locked/history/subscriptionRecord: new fields in response: sourceAccount，amtFromSpot,amtFromFunding
  + GET /sapi/v1/simple-earn/flexible/history/redemptionRecord: new fields in response destAccount
  + POST /sapi/v1/simple-earn/flexible/subscribe: new parameter sourceAccount
  + POST /sapi/v1/simple-earn/locked/subscribe: new parameter sourceAccount
  + POST /sapi/v1/simple-earn/flexible/redeem: new parameter destAccount
* New endpoint for Crypto Loans:
  + POST /sapi/v1/loan/flexible/borrow: flexible Loan borrow
  + GET /sapi/v1/loan/flexible/ongoing/orders: get flexible loan ongoing orders
  + GET /sapi/v1/loan/flexible/borrow/history: Get flexible loan borrow history
  + POST /sapi/v1/loan/flexible/repay: flexible loan repay
  + POST /sapi/v1/loan/flexible/repay/history: Get flexible loan repayment history
  + POST /sapi/v1/loan/flexible/adjust/ltv: adjust flexible Loan adjust LTV
  + GET /sapi/v1/loan/flexible/ltv/adjustment/history: Get Flexible loan LTV adjustment history
  + GET /sapi/v1/loan/flexible/loanable/data:Get flexible loan assets data
  + GET /sapi/v1/loan/flexible/collateral/data: Get flexible loan collateral assets data

**2023-08-25**

**The following changes will be effective from 2023-08-25 at UTC 00:00.**

* The REQUEST\_WEIGHT rate limit for SPOT API has been adjusted to 6,000 every minute.
* The RAW\_REQUESTS for SPOT API has been adjusted to 61,000 every 5 minutes.
* The weights to the following requests for the SPOT API have been adjusted.

Please refer to the table for more details:

| **Request** | **Previous Request Weight** | **New Request Weight** |
| --- | --- | --- |
| GET /api/v3/order | 2 | 4 |
| GET /api/v3/orderList | 2 | 4 |
| GET /api/v3/openOrders - **With symbol** | 3 | 6 |
| GET /api/v3/openOrders- **Without symbol** | 40 | 80 |
| GET /api/v3/openOrderList | 3 | 6 |
| GET /api/v3/allOrders | 10 | 20 |
| GET /api/v3/allOrderList | 10 | 20 |
| GET /api/v3/myTrades | 10 | 20 |
| GET /api/v3/myAllocations | 10 | 20 |
| GET /api/v3/myPreventedMatches - **Using preventedMatchId** | 1 | 2 |
| GET /api/v3/myPreventedMatches - **Using orderId** | 10 | 20 |
| GET /api/v3/account | 10 | 20 |
| GET /api/v3/rateLimit/order | 20 | 40 |
| GET /api/v3/exchangeInfo | 10 | 20 |
| GET /api/v3/depth - **Limit 1-100** | 1 | 2 |
| GET /api/v3/depth - **Limit 101-500** | 5 | 10 |
| GET /api/v3/depth - **Limit 501-1000** | 10 | 20 |
| GET /api/v3/depth - **Limit 1001-5000** | 50 | 100 |
| GET /api/v3/aggTrades | 1 | 2 |
| GET /api/v3/trades | 1 | 2 |
| GET /api/v3/historicalTrades | 5 | 10 |
| GET /api/v3/klines | 1 | 2 |
| GET /api/v3/uiKlines | 1 | 2 |
| GET /api/v3/ticker/bookTicker - **With symbol** | 1 | 2 |
| GET /api/v3/ticker/bookTicker - **Without symbol** or **With symbols** | 2 | 4 |
| GET /api/v3/ticker/price- **With symbol** | 1 | 2 |
| GET /api/v3/ticker/price- **Without symbol** or **With symbols** | 2 | 4 |
| GET /api/v3/ticker/24hr - **With symbol** or **With symbols using 1-20 symbols** | 1 | 2 |
| GET /api/v3/ticker/24hr - **With symbols using 21-100 symbols** | 20 | 40 |
| GET /api/v3/ticker/24hr - **Without symbol or symbols using 101 or more symbols** | 40 | 80 |
| GET /api/v3/avgPrice | 1 | 2 |
| GET /api/v3/ticker | 2 | 4 |
| GET /api/v3/ticker - Maximum weight for this request | 100 | 200 |
| POST /api/v3/userDataStream | 1 | 2 |
| PUT /api/v3/userDataStream | 1 | 2 |
| DELETE /api/v3/userDataStream | 1 | 2 |

**2023-08-18**

* Update endpoints for VIP Loan:
  + POST /sapi/v1/loan/vip/borrow: add field isFlexibleRate to borrow using flexible rate loan

**2023-08-08**

Smart Order Routing (SOR) has been added to the APIs. For more information please refer to our [FAQ](https://github.com/binance/binance-spot-api-docs/tree/master/faqs/sor_faq.md). Please wait for future announcements on when the feature will be enabled.

SPOT API

* Changes to GET /api/v3/exchangeInfo:
  + New field in response: sors, describing SORs enabled on the exchange.
* Changes to GET /api/v3/myPreventedMatches
  + New field makerSymbol will appear in the response for all prevented matches.
* New endpoints for order placement using SOR:
  + POST /api/v3/sor/order
  + POST /api/v3/sor/order/test
* New endpoint GET /api/v3/myAllocations

USER DATA STREAM

* Changes to executionReport:
  + These fields are only relevant for orders placed using SOR:
    - New field b for matchType
    - New field a for allocId
    - New field k for workingFloor
  + This field is only relevant for orders expiring due to STP:
    - New field Cs for counterSymbol

**2023-08-02**

* Effective from 21 Aug 2023, a 1% transaction fee will apply when you buy or create gift cards in Binance directly. The following endpoints are impacted:
  + POST /sapi/v1/giftcard/createCode
  + POST /sapi/v1/giftcard/buyCode

**2023-07-20**

* As per [the announcement](https://www.binance.com/en/support/announcement/updates-on-the-creation-of-gift-cards-transferring-of-crypto-via-gift-cards-16b0d3ad544b464889d37d2cfdc2a692), effective from 20 July 2023, creating gift cards is limited only to entity accounts which have passed KYB verification. The following endpoints are impacted:
  + POST /sapi/v1/giftcard/createCode
  + POST /sapi/v1/giftcard/buyCode
* New endpoints for Porfolio Margin Pro:
  + POST /sapi/v1/portfolio/asset-collection: Fund Collection by Asset

**2023-07-18**

* New API key type – Ed25519 – is now supported. (UI support will be released this week.)
  + Ed25519 API keys are an alternative to RSA API keys, using asymmetric cryptography to authenticate your requests on the API.
  + **We recommend switching to Ed25519** for improved performance and security.   
    For more information, please refer to our supplemental document [API Key Types](https://github.com/binance/binance-spot-api-docs/blob/master/faqs/api_key_types.md).
* Documentation has been updated with how to sign a payload with Ed25519 keys.

**2023-07-14**

* New endpoints for Porfolio Margin Pro:
  + POST /sapi/v1/portfolio/repay-futures-switch: Change Auto-repay-futures Status
  + GET /sapi/v1/portfolio/repay-futures-switch: Get Auto-repay-futures Status
  + POST /sapi/v1/portfolio/repay-futures-negative-balance: Repay futures Negative Balance
* New endpoints for VIP Loan:
  + POST /sapi/v1/loan/vip/renew: VIP Loan Renew

**2023-07-11**

**Notice:** The change below are being rolled out, and will take approximately a week to complete.

SPOT API

* Changes to error messages:
  + Previously, when duplicate symbols were passed to requests that do not allow it, the error would be "Mandatory parameter symbols was not sent, was empty/null, or malformed."
  + Now, the error message is "Symbol is present multiple times in the list", with a new error code -1151
  + This affects the following requests:
    - GET /api/v3/exchangeInfo
    - GET /api/v3/ticker/24hr
    - GET /api/v3/ticker/price
    - GET/api/v3/ticker/bookTicker
* Fixed a bug where some non-archived orders being queried would receive the error code that their order was archived.
* Changes to GET /api/v3/account:
  + New field preventSor will appear in the response.
  + New field uid that shows the User Id/Account will appear in the response.
* Changes to GET /api/v3/historicalTrades:
  + Changed security type from MARKET\_DATA to NONE.
  + This means that the X-MBX-APIKEY header is no longer necessary and is now ignored.

**The following changes will take effect approximately a week from the release date:**:

* Fixed multiple bugs with orders that use type=MARKET and quoteOrderQty, also known as “reverse market orders”:
  + Reverse market orders are no longer partially filled, or filled for zero or negative quantity under extreme market conditions.
  + MARKET\_LOT\_SIZE filter now correctly rejects reverse market orders that go over the symbol's maxQty.
* Fixed a bug where OCO orders using trailingDelta could have an incorrect trailingTime value after either leg of the OCO is touched.
* New field transactTime will appear in order cancellation responses. This affects the following requests:
  + DELETE /api/v3/order
  + POST /api/v3/order/cancelReplace
  + DELETE /api/v3/openOrders
  + DELETE /api/v3/orderList

**2023-07-07**

* New endpoints for Margin:
  + POST /sapi/v1/margin/max-leverage: Adjust cross margin max leverage

**2023-06-29**

* Added multiple new endpoints related to ETH Staking in Staking.
* New endpoints for Margin:
  + GET /sapi/v1/margin/dust: Get Assets That Can Be Converted Into BNB
  + POST /sapi/v1/margin/dust: Convert dust assets to BNB.
* New endpoints for VIP Loan(effective on 2023-06-30):
  + POST /sapi/v1/loan/vip/borrow: Borrow VIP loan
  + GET /sapi/v1/loan/vip/loanable/data: Get interest rate and borrow limit of loanable assets.
  + GET /sapi/v1/loan/vip/collateral/data: Get collateral asset data
  + GET /sapi/v1/loan/vip/request/data: Query application status.

**2023-06-22**

* New endpoints for Sub-Account:
  + POST /sapi/v1/sub-account/eoptions/enable: enable Options for Sub-account
  + GET /sapi/v1/managed-subaccount/query-trans-log: Query Managed Sub Account Transfer Log (For Trading Team Sub Account)
* Update endpoints for Margin:
  + POST /sapi/v1/margin/order: add fields autoRepayAtCancel and selfTradePreventionMode
  + POST /sapi/v1/margin/order/oco: add field selfTradePreventionMode
* New endpoints for Simple Earn.
* Delete endpoint for Lending:
  + GET /sapi/v1/lending/daily/product/list
  + GET /sapi/v1/lending/daily/userLeftQuota
  + POST /sapi/v1/lending/daily/purchase
  + GET /sapi/v1/lending/daily/userRedemptionQuota
  + POST /sapi/v1/lending/daily/redeem
  + GET /sapi/v1/lending/daily/token/position
  + GET /sapi/v1/lending/union/account
  + GET /sapi/v1/lending/union/purchaseRecord
  + GET /sapi/v1/lending/union/redemptionRecord
  + GET /sapi/v1/lending/union/interestHistory

**2023-06-20**

* New endpoints for Auto-Investment:
  + GET /sapi/v1/lending/auto-invest/target-asset/list: query target asset list
  + GET /sapi/v1/lending/auto-invest/target-asset/roi/list: query ROI return list for target asset
  + GET /sapi/v1/lending/auto-invest/all/asset: query all source assets and target assets
  + GET /sapi/v1/lending/auto-invest/source-asset/list: query source asset to be used for investment
  + POST /sapi/v1/lending/auto-invest/plan/add: create an investment plan
  + POST/sapi/v1/lending/auto-invest/plan/edit: adjust the details of the plan
  + POST /sapi/v1/lending/auto-invest/plan/edit-status: change plan status
  + GET /sapi/v1/lending/auto-invest/plan/list: query plan lists
  + GET /sapi/v1/lending/auto-invest/plan/id: Get holding details of the plan
  + GET /sapi/v1/lending/auto-invest/history/list: query subscription transaction history of a plan
* Update endpoints for Margin:
  + GET /sapi/v1/margin/delist-schedule: get tokens or symbols delist schedule for cross margin and isolated margin

**2023-06-09**

* Below changes are applicable to **the Portfolio Margin Pro Program and the new Portfolio Margin Program**: these will be taken into effect on 2023-06-22: Transfers in and out of Portfolio Margin Account can only be done through Cross Margin Wallets. For POST /sapi/v1/asset/transfer, only below parameters can be supported for the Portfolio Margin Pro Program and the new Portfolio Margin Program: MAIN\_PORTFOLIO\_MARGIN and PORTFOLIO\_MARGIN\_MAIN
  + Please be aware that transfer in and out from UM or CM wallets to non-PM wallets (such as spot wallet and option wallet) are not supported. For POST /sapi/v1/asset/transfer, below parameters can no longer be supported for the Portfolio Margin Pro Program and the new Portfolio Margin Program:
    - MAIN\_UMFUTURE
    - MAIN\_CMFUTURE
    - UMFUTURE\_MAIN
    - UMFUTURE\_MARGIN
    - CMFUTURE\_MARGIN
    - MARGIN\_UMFUTURE
    - MARGIN\_CMFUTURE
    - FUNDING\_UMFUTURE
    - UMFUTURE\_FUNDING
    - FUNDING\_CMFUTURE
    - CMFUTURE\_FUNDING
    - UMFUTURE\_OPTION
    - OPTION\_UMFUTURE
  + POST /sapi/v1/sub-account/futures/internalTransfer will no longer be supported
  + POST /sapi/v1/sub-account/futures/transfer will no longer be supported
  + POST /sapi/v1/futures/transfer will no longer be supported
  + POST /sapi/v1/sub-account/universalTransfer will no longer be supported for below:
    - SPOT transfer to USDT\_FUTURE, COIN\_FUTURE (regardless of master or sub)
    - USDT\_FUTURE, COIN\_FUTURE transfer to SPOT (regardless of master or sub)
* New endpoints for Portfolio Margin Pro(Effective on 06/09):
  + POST /sapi/v1/portfolio/auto-collection: all transfers (excluding UM Account’s BNB) from Futures Account to Margin account
  + POST /sapi/v1/portfolio/bnb-transfer: BNB transfer can be between Margin Account and UM Account

**2023-06-06**

* A new endpoint is now available for redundancy: **https://api-gcp.binance.com/**
  + This is using the GCP (Google Cloud Platform) CDN and may have slower performance compared to api1-api4 endpoints.

**2023-06-01**

* New WEBSOCKET for Bwap：
  + New Base url wss://api.binance.com/sapi/wss for BSwap streams earn\_swapprice\_<poolid> and earn\_swapprice\_all

**2023-05-30**

* Update endpoints for Pay：
  + GET /sapi/v1/pay/transactions: add more content in response field fundsDetail

**2023-05-26**

**Notice:** The change below are being rolled out, and will take approximately a week to complete.

* The following base endpoints may give better performance but have less stability than **https://api.binance.com**:
  + **https://api1.binance.com**
  + **https://api2.binance.com**
  + **https://api3.binance.com**
  + **https://api4.binance.com**

**2023-05-24**

* **The previous market data URLs have been deprecated. Please update your code immediately to prevent interruption of our services.**
  + API Market data from data.binance.com can now be accessed from data-api.binance.vision.
  + Websocket Market Data from data-stream.binance.com can now be accessed from data-stream.binance.vision.
* GET /sapi/v1/portfolio/interest-rate has be deprecated, users can query the Portfolio Margin Pro Negative Balance Interest Rate by using GET /sapi/v1/margin/interestRateHistory.

**2023-05-18**

* New endpoints for Wallet：
  + POST /sapi/v1/capital/deposit/credit-apply: apply deposit credit for expired address

**2023-05-09**

* New endpoints for Portfolio Margin：
  + GET /sapi/v1/portfolio/asset-index-price: query portfolio margin asset index price
* Update endpoints for Wallet:
  + POST /sapi/v1/asset/transfer: add enum MAIN\_PORTFOLIO\_MARGIN and PORTFOLIO\_MARGIN\_MAIN

**2023-04-20**

* New endpoints for Sub-Account：
  + GET /sapi/v1/managed-subaccount/deposit/address: get managed sub-account deposit address
* Update endpoints for VIP Loans:
  + GET /sapi/v1/loan/vip/ongoing/orders: add fields totalCollateralValueAfterHaircut and lockedCollateralValue

**2023-04-18**

* New endpoints for Spot Algo：
  + POST /sapi/v1/algo/spot/newOrderTwap to support new order
  + DELETE /sapi/v1/algo/spot/order to support cancel Algo order
  + GET /sapi/v1/algo/spot/openOrders to support query Algo open orders
  + GET /sapi/v1/algo/spot/historicalOrders to support query Algo historical orders
  + GET /sapi/v1/algo/spot/subOrders to support query Algo sub orders for a specified algoId

**2023-03-23**

* Update endpoints for Sub-Account:
  + GET /sapi/v1/managed-subaccount/queryTransLogForInvestor: Add response field tranId
  + GET /sapi/v1/managed-subaccount/queryTransLogForTradeParent: Add response field tranId
* New endpoints for Sub-Account:
  + GET /sapi/v1/managed-subaccount/info: query investor's managed sub-account list
  + GET /sapi/v1/sub-account/transaction-statistics: Query sub-account transaction tatistics

**2023-03-13**

**Notice:** All changes are being rolled out gradually to all our servers, and may take a week to complete.

GENERAL CHANGES

* The error messages for certain issues have been improved for easier troubleshooting.

|  |  |  |
| --- | --- | --- |
| **Situation** | **Old Error Message** | **New Error Message** |
| An account cannot place or cancel an order, due to trading ability disabled. | This action is disabled on this account. | This account may not place or cancel orders. |
| When the permissions configured on the symbol do not match the permissions on the account. | This symbol is not permitted for this account. |
| When the account tries to place an order on a symbol it has no permissions for. | This symbol is restricted for this account. |
| Placing an order when symbol is not TRADING. | Unsupported order combination. | This order type is not possible in this trading phase. |
| Placing an order with timeinForce=IOC or FOK on a trading phase that does not support it. | Limit orders require GTC for this phase. |

* Fixed error message for querying archived orders:
  + Previously, If an archived order (i.e. order with status CANCELED or EXPIRED where executedQty == 0 that occurred more than 90 days in the past.) is queried, the error message would be:
    - {"code": -2013,"msg": "Order does not exist."}
  + Now, the error message is:
    - {"code": -2026,"msg": "Order was canceled or expired with no executed qty over 90 days ago and has been archived."}
* Behavior for API requests with startTime and endTime:
  + Previously some requests failed if the startTime == endTime.
  + Now, all API requests that accept startTime and endTime allow the parameters to be equal. This applies to the following requests:
    - Rest API
      * GET /api/v3/aggTrades
      * GET /api/v3/klines
      * GET /api/v3/allOrderList
      * GET /api/v3/allOrders
      * GET /api/v3/myTrades

The following changes will take effect **approximately a week from the release date**, but the rest of the documentation has been updated to reflect the future changes:

* Changes to Filter Evaluation:
  + Previous behavior: LOT\_SIZE and MARKET\_LOT\_SIZE required that (quantity - minQty) % stepSize == 0.
  + New behavior: This has now been changed to (quantity % stepSize) == 0.
* Bug fix with reverse MARKET orders (i.e., MARKET using quoteOrderQty):
  + Previous behavior: Reverse market orders would always have the status FILLED even if the order did not fully fill due to low liquidity.
  + New behavior: If the reverse market order did not fully fill due to low liquidity the order status will be EXPIRED, and FILLED only if the order was completely filled.

SPOT API

* Changes to DELETE /api/v3/order and POST /api/v3/order/cancelReplace:
  + A new optional parameter cancelRestrictions that determines whether the cancel will succeed if the order status is NEW or PARTIALLY\_FILLED.
  + If the order cancellation fails due to cancelRestrictions, the error will be:
    - {"code": -2011,"msg": "Order was not canceled due to cancel restrictions."}

**2023-02-27**

* New endpoints for Margin:
  + /sapi/v1/margin/next-hourly-interest-rate: Get user the next hourly estimate interest
* New endpoints for Porfolio Margin:
  + GET /sapi/v1/portfolio/interest-history: get user's portfolio margin interest history
  + GET /sapi/v1/portfolio/interest-rate: get portfolio margin interest rate

**2023-02-21**

* Adjusted endpoints for Crypto Loan:
  + POST /sapi/v1/loan/borrow: paramater loanTerm is restricted to 7 or 30

**2023-02-17**

The Websocket Stream now only allows 300 connections requests every 5 minutes.

This limit is **per IP address**.

Please be careful when trying to open multiple connections or reconnecting to the Websocket API.

**2023-02-13**

* New endpoints for Sub-Account:
  + GET /sapi/v4/sub-account/assets: Fetch sub-account assets

**2023-02-02**

* New endpoints for Margin:
  + GET /sapi/v1/margin/exchange-small-liability: Query the coins which can be small liability exchange
  + POST /sapi/v1/margin/exchange-small-liability: Cross Margin Small Liability Exchange
  + GET /sapi/v1/margin/exchange-small-liability-history: Get Small liability Exchange History
* Update endpoints for Wallet:
  + Universal Transfer POST /sapi/v1/asset/transfer support option transfer

**2023-01-26**

As per the [announcement](https://www.binance.com/en/support/announcement/binance-spot-launches-self-trade-prevention-stp-function-on-api-312fd0112fb44635b397c116e56d8f84), Self Trade Prevention will be enabled at **2023-01-26 08:00 UTC**.

Please refer to GET /api/v3/exchangeInfo from the Rest API or exchangeInfo from the Websocket API on the default and allowed modes.

**2023-01-23**

New API cluster has been added. Note that all endpoints are functionally equal, but may vary in performance.

* https://api4.binance.com

**2023-01-19**

**ACTUAL RELEASE DATE TBD**

SPOT API

**New Feature**: Self-Trade Prevention (aka STP) will be added to the system at a later date. This will prevent orders from matching with orders from the same account, or accounts under the same tradeGroupId.

Please refer to GET /api/v3/exchangeInfo from the SPOT API or exchangeInfo from the Websocket API on the status.

"defaultSelfTradePreventionMode": "NONE", //If selfTradePreventionMode not provided, this will be the value passed to the engine

"allowedSelfTradePreventionModes": [ //What the allowed modes of selfTradePrevention are

"NONE",

"EXPIRE\_TAKER",

"EXPIRE\_BOTH",

"EXPIRE\_MAKER"

]

* New order status: EXPIRED\_IN\_MATCH - This means that the order expired due to STP being triggered.
* New endpoint:
  + GET /api/v3/myPreventedMatches - This queries the orders that expired due to STP being triggered.
* New optional parameter selfTradePreventionMode has been added to the following endpoints:
  + POST /api/v3/order
  + POST /api/v3/order/oco
  + POST /api/v3/order/cancelReplace
* New responses that will appear for all order placement endpoints if there was a prevented match (i.e. if an order could have matched with an order of the same account, or the accounts are in the same tradeGroupId):
  + tradeGroupId - This will only appear if account is configured to a tradeGroupId and if there was a prevented match.
  + preventedQuantity - Only appears if there was a prevented match.
  + An array preventedMatches with the following fields:
    - preventedMatchId
    - makerOrderId
    - price
    - takerPreventedQuantity - This will only appear if selfTradePreventionMode set is EXPIRE\_TAKER or EXPIRE\_BOTH.
    - makerPreventedQuantity - This will only appear if selfTradePreventionMode set is EXPIRE\_MAKER or EXPIRE\_BOTH.
* New fields preventedMatchId and preventedQuantity that can appear in the order query endpoints if the order had expired due to an STP trigger:
  + GET /api/v3/order
  + GET /api/v3/openOrders
  + GET /api/v3/allOrders

USER DATA STREAM

* New execution Type: TRADE\_PREVENTION
* New fields for executionReport (These fields will only appear if the order has expired due to STP trigger)
  + u - tradeGroupId
  + v - preventedMatchId
  + U - counterOrderId
  + A - preventedQuantity
  + B - lastPreventedQuantity

**2023-01-13**

* The following endpoints will be discontinued on January 13, 2023 6:00 AM UTC:
  + POST /sapi/v1/sub-account/subAccountApi/ipRestriction to support master account enable and disable IP restriction for a sub-account API Key
  + POST /sapi/v1/sub-account/subAccountApi/ipRestriction/ipList to support master account add IP list for a sub-account API Key
* New endpoints for Sub-Account:
  + GET /sapi/v1/managed-subaccount/fetch-future-asset: Investor can use this api to query managed sub account futures asset details
  + GET /sapi/v1/managed-subaccount/marginAsset: Investor can use this api to query managed sub account margin asset details
* New endpoin for Margin:
  + GET /sapi/v1/margin/crossMarginCollateralRatio: Get cross margin collateral ratio

**2023-01-05**

* New endpoints for Sub-Account:
  + GET /sapi/v1/managed-subaccount/queryTransLogForInvestor: Investor can use this api to query managed sub account transfer log
  + GET /sapi/v1/managed-subaccount/queryTransLogForTradeParent: Trading team can use this api to query managed sub account transfer log

**2022-12-26**

* New endpoints for wallet:
  + GET /sapi/v1/capital/contract/convertible-coins: Get a user's auto-conversion settings in deposit/withdrawal
  + POST /sapi/v1/capital/contract/convertible-coins: User can use it to turn on or turn off the BUSD auto-conversion from/to a specific stable coin.

**2022-12-15**

* New RSA signature
  + Documentation has been updated to show how to sign a request using an RSA key.
  + For security reasons, we recommend to use RSA keys instead of HMAC keys when generating an API key.
  + We accept PKCS#8 (BEGIN PUBLIC KEY).
  + More details on how to upload your RSA public key will be added at a later date.

**2022-12-13**

REST API

Some error messages on error code -1003 have changed:

* Previous error message:

Too much request weight used; current limit is %s request weight per %s %s. Please use the websocket for live updates to avoid polling the API.

has been updated to:

Too much request weight used; current limit is %s request weight per %s. Please use WebSocket Streams for live updates to avoid polling the API.

* Previous error message

Way too much request weight used; IP banned until %s. Please use the websocket for live updates to avoid bans.

has been updated to:

Way too much request weight used; IP banned until %s. Please use WebSocket Streams for live updates to avoid bans.

**2022-12-05**

**Notice:** These changes are being rolled out gradually to all our servers, and will take approximately a week to complete.

WEBSOCKET

* !bookTicker will be removed by **December 7, 2022**. Please use the Individual Book Ticker Streams instead. (<symbol>@bookTicker).
  + Multiple <symbol>@bookTicker streams can be subscribed to over one connection. (E.g. wss://stream.binance.com:9443/stream?streams=btcusdt@bookTicker/bnbbtc@bookTicker)

SPOT API

* New error code -1135
  + This error code will occur if a parameter requiring a JSON object is invalid.
* New error code -1108
  + This error will occur if a value to a parameter being sent was too large, potentially causing overflow.
  + This error code can occur in the following endpoints:
    - POST /api/v3/order
    - POST /api/v3/order/cancelReplace
    - POST /api/v3/order/oco
* Changes to GET /api/v3/aggTrades
  + Previous behavior: startTime and endTime had to be used in combination and could only be an hour apart.
  + New behavior: startTime and endTime can be used individually and the 1 hour limit has been removed.
    - When using startTime only, this will return trades from that time, up to the limit provided.
    - When using endTime only, this will return trades starting from the endTime including all trades before that time, up to the limit provided.
    - If limit not provided, regardless of used in combination or sent individually, the endpoint will use the default limit.
* Changes to GET /api/v3/myTrades
  + Fixed a bug where symbol + orderId combination would return all trades even if the number of trades went beyond the 500 default limit.
  + Previous behavior: The API would send specific error messages depending on the combination of parameters sent. E.g:

{ "code": -1106, "msg": "Parameter X was sent when not required." }

* + New behavior: If the combinations of optional parameters to the endpoint were not supported, then the endpoint will respond with the generic error:

{ "code": -1128, "msg": "Combination of optional parameters invalid." }

* + Added a new combination of supported parameters: symbol + orderId + fromId.
  + The following combinations of parameters were previously supported but no longer accepted, as these combinations were only taking fromId into consideration, ignoring startTime and endTime:
    - symbol + fromId + startTime
    - symbol + fromId + endTime
    - symbol + fromId + startTime + endTime
  + Thus, these are the supported combinations of parameters:
    - symbol
    - symbol + orderId
    - symbol + startTime
    - symbol + endTime
    - symbol + fromId
    - symbol + startTime + endTime
    - symbol+ orderId + fromId

**Note:** These new fields will appear approximately a week from the release date.

* Changes to GET /api/v3/exchangeInfo
  + New fields defaultSelfTradePreventionMode and allowedSelfTradePreventionModes
* Changes to the Order Placement Endpoints/Order Query/Order Cancellation Endpoints:
  + New field selfTradePreventionMode will appear in the response.
  + Affects the following endpoints:
    - POST /api/v3/order
    - POST /api/v3/order/oco
    - POST /api/v3/order/cancelReplace
    - GET /api/v3/order
    - DELETE /api/v3/order
    - DELETE /api/v3/orderList
* Changes to GET /api/v3/account
  + New field requireSelfTradePrevention will appear in the response.
* New field workingTime, indicating when the order started working on the order book, will appear in the following endpoints:
  + POST /api/v3/order
  + GET /api/v3/order
  + POST /api/v3/order/cancelReplace
  + POST /api/v3/order/oco
  + GET /api/v3/order
  + GET /api/v3/openOrders
  + GET /api/v3/allOrders
* Field trailingTime, indicating the time when the trailing order is active and tracking price changes, will appear for the following order types (TAKE\_PROFIT, TAKE\_PROFIT\_LIMIT, STOP\_LOSS, STOP\_LOSS\_LIMIT if trailingDelta parameter was provided) for the following endpoints:
  + POST /api/v3/order
  + GET /api/v3/order
  + GET /api/v3/openOrders
  + GET /api/v3/allOrders
  + POST /api/v3/order/cancelReplace
  + DELETE /api/v3/order
* Field commissionRates will appear in the GET /api/v3/acccount response

USER DATA STREAM

* eventType executionReport has new fields
  + V - selfTradePreventionMode
  + D - trailing\_time (Appears if the trailing stop order is active)
  + W - workingTime (Appears if isWorking=true)

**2022-12-02**

* Added a new market data base URL https://data.binance.com.
* Added a new WebSocket URL wss://data-stream.binance.com.

**2022-11-29**

* New endpoint for VIP Loan:
  + GET /sapi/v1/loan/vip/collateral/account: Check Locked Value of VIP Collateral Account

**2022-11-22**

* New endpoints for Convert:
  + GET /sapi/v1/convert/exchangeInfo: Query for all convertible token pairs and the tokens’ respective upper/lower limits
  + GET /sapi/v1/convert/assetInfo: Query for supported asset’s precision information
  + POST /sapi/v1/convert/getQuote: Request a quote for the requested token pairs
  + POST /sapi/v1/convert/acceptQuote: Accept the offered quote by quote ID.
  + GET /sapi/v1/convert/orderStatus: Query order status by order ID.

**2022-11-18**

* New endpoint for Wallet:
  + GET /sapi/v1/asset/ledger-transfer/cloud-mining/queryByPage: The query of Cloud-Mining payment and refund history
* New endpoints for Sub-account:
  + POST /sapi/v2/sub-account/subAccountApi/ipRestriction: To support master account update IP Restriction for Sub-Account API key

**2022-11-14**

* New endpoints for VIP Loan:
  + GET /sapi/v1/loan/vip/ongoing/orders: Get VIP Loan Ongoing Orders
  + POST /sapi/v1/loan/vip/repay: VIP Loan Repay
  + GET /sapi/v1/loan/vip/repay/history: Get VIP Loan Repayment History

**2022-11-02**

* Update endpoints for Wallet:
  + POST /sapi/v1/capital/withdraw/apply: Weight changed to Weight(UID): 600

**2022-11-01**

* New endpoints for Crypto Loan:
  + GET /sapi/v1/loan/loanable/data: Get interest rate and borrow limit of loanable assets. The borrow limit is shown in USD value.
  + GET /sapi/v1/loan/collateral/data: Get LTV information and collateral limit of collateral assets. The collateral limit is shown in USD value.
  + GET /sapi/v1/loan/repay/collateral/rate: Get the the rate of collateral coin / loan coin when using collateral repay, the rate will be valid within 8 second.
  + POST /sapi/v1/loan/customize/margin\_call: Customize margin call for ongoing orders only.

**2022-10-28**

* Update endpoints for Wallet:
  + POST /sapi/v1/asset/convert-transfer: New parameter accountType
  + POST /sapi/v1/asset/convert-transfer/queryByPage: request method is changed to GET, new parameter clientTranId

**2022-10-15**

* New endpoints for Binance Code:
  + POST /sapi/v1/giftcard/buyCode: For buying a fixed-value Binance Code.
  + GET /sapi/v1/giftcard/buyCode/token-limit: To verify which tokens are available for you to purchase fixed-value gift cards as mentioned in section 2 and its’ limitation.

**2022-09-30**

* Delete endpoints for Futures Cross Collateral:
  + POST /sapi/v1/futures/loan/borrow
  + POST /sapi/v1/futures/loan/repay
  + GET /sapi/v1/futures/loan/configs
  + GET /sapi/v2/futures/loan/configs
  + GET /sapi/v1/futures/loan/calcAdjustLevel
  + GET /sapi/v2/futures/loan/calcAdjustLevel
  + GET /sapi/v1/futures/loan/calcMaxAdjustAmount
  + GET /sapi/v2/futures/loan/calcMaxAdjustAmount
  + POST /sapi/v1/futures/loan/adjustCollateral
  + POST /sapi/v2/futures/loan/adjustCollateral
  + GET /sapi/v1/futures/loan/collateralRepayLimit
  + GET /sapi/v1/futures/loan/collateralRepay
  + POST /sapi/v1/futures/loan/collateralRepay
  + GET /sapi/v1/futures/loan/collateralRepayResult

**2022-09-30**

Scheduled changes to the removal of !bookTicker around November 2022.

* The All Book Tickers stream (!bookTicker) is set to be removed in **November 2022**
* More details of the actual removal date will be announced at a later time.
* Please use the Individual Book Ticker Streams instead. (<symbol>@bookTicker).
* Multiple <symbol>@bookTicker streams can be subscribed to over one connection.
  + Example: wss://stream.binance.com:9443/stream?streams=btcusdt@bookTicker/bnbbtc@bookTicker

**2022-09-29**

* New endpoints for Wallet:
  + POST /sapi/v1/asset/convert-transfer: Convert transfer, convert between BUSD and stablecoins.
  + POST /sapi/v1/asset/convert-transfer/queryByPage: Query convert transfer

**2022-09-22**

* Update endpoint for Sub-Account:
  + POST /sapi/v1/sub-account/subAccountApi/ipRestriction: Add new param thirdParty
  + POST /sapi/v1/sub-account/subAccountApi/ipRestriction/ipList: Add new param thirdPartyName
  + DELETE /sapi/v1/sub-account/subAccountApi/ipRestriction/ipList: Add new param thirdPartyName
* Add Rate Limit for following endpoints:
  + GET /sapi/v1/bswap/liquidity: 3/1s per account and per pool
  + GET /sapi/v1/bswap/quote: 3/1s per account and per pool
  + POST /sapi/v1/lending/daily/purchase: 1/3s per account
  + POST /sapi/v1/lending/customizedFixed/purchase: 1/3s per account
  + POST /sapi/v1/staking/purchase: 1/3s per account

**2022-09-16**

* New endpoint for Margin：
  + GET /sapi/v1/margin/tradeCoeff: Get personal margin level information

**2022-09-15**

* New endpoints for Crypto Loan
  + POST /sapi/v1/loan/borrow: Borrow - Crypto Loan Borrow
  + GET /sapi/v1/loan/borrow/history: Borrow - Get Loan Borrow History
  + GET/sapi/v1/loan/ongoing/orders: Borrow - Get Loan Ongoing Orders
  + POST/sapi/v1/loan/repay: Repay - Crypto Loan Repay
  + GET/sapi/v1/loan/repay/history: Repay - Get Loan Repayment History
  + POST/sapi/v1/loan/adjust/ltv: Adjust LTV - Crypto Loan Adjust LTV
  + GET/sapi/v1/loan/ltv/adjustment/history: Adjust LTV - Get Loan LTV Adjustment History

**2022-09-15**

Note that these are rolling changes, so it may take a few days for it to rollout to all our servers.

* Changes to GET /api/v3/exchangeInfo
  + New optional parameter permissions added to display all symbols with the permissions matching the parameter provided. (eg.SPOT, MARGIN)
  + If not provided, the default value will be ["SPOT","MARGIN"].
    - This means the request GET /api/v3/exchangeInfo without any parameters will show all symbols that can be used for SPOT,MARGIN trading.
    - To search for symbols that can be traded on other permissions (e.g. TRD\_GRP\_004, etc), then this needs to be searched for explicitly. (e.g.permissions=TRD\_GRP\_004)
  + Cannot be combined with symbol or symbols

**2022-09-12**

* Update endpoint for Sub-account:
  + GET /sapi/v1/sub-account/subAccountApi/ipRestriction: To support master account query Third party IP list name for a sub account API key

**2022-09-05**

* Delete endpoint for Futures:
  + GET /sapi/v1/futures/loan/wallet

**2022-08-23**

SPOT API

Note that these are rolling changes, so it may take a few days for it to rollout to all our servers.

* Changes to GET /api/v3/ticker and GET /api/v3/ticker/24hr
  + New optional parameter type added
  + Supported values for parameter type are FULL and MINI
    - FULL is the default value and the response that is currently being returned from the endpoint
    - MINI omits the following fields from the response: priceChangePercent, weightedAvgPrice, bidPrice, bidQty, askPrice, askQty, and lastQty
* New error code -1008
  + This is sent whenever the servers are overloaded with requests.
  + This error code only appears for the SPOT API.
* New field brokered has been added to GET /api/v3/account
* New endpoint: GET /api/v3/uiKlines
* New kline interval: 1s

**2022-08-18**

* Update endpoint for Convert:
  + GET /sapi/v1/convert/tradeFlow: Update weight from Weight(IP) 3000 to Weight(UID) 3000.

**2022-08-08**

SPOT API

* Changes to POST /api/v3/order and POST /api/v3/order/cancelReplace
  + New optional field strategyId is a parameter used to identify an order as part of a strategy.
  + New optional field strategyType is a parameter used to identify what strategy was running. (E.g. If all the orders are part of spot grid strategy, it can be set to strategyType=1000000)
  + **Note:** strategyType cannot be less than 1000000.
* Changes to POST /api/v3/order/oco
  + New optional fields limitStrategyId, limitStrategyType. stopStrategyId, stopStrategyType
  + These are the strategy metadata parameters for both legs of the OCO orders.
  + limitStrategyType and stopStrategyType both cannot be less than 1000000.
* Changes to GET /api/v3/order, GET /api/v3/openOrders, and GET /api/v3/allOrders
  + New fields strategyId and strategyType will appear in the response JSON for orders that had these fields populated upon order placement.
* Changes to DELETE /api/v3/order and DELETE /api/v3/openOrders
  + New fields strategyId and strategyType will appear in the response JSON for cancelled orders that had these fields populated upon order placement.

USER DATA STREAM

* New fields to eventType executionReport
  + j for strategyId
  + J for strategyType
  + Note that these fields only appear if these were populated upon order placement.

**2022-08-05**

* Update endpoint for Convert:
  + GET /sapi/v1/convert/tradeFlow: Update weight from Weight(IP) 100 to Weight(IP) 3000.

**2022-07-21**

* New endpoint for Portfolio Margin:
  + GET /sapi/v1/portfolio/pmLoan Query Portfolio Margin Bankruptcy Loan Record
  + POST /sapi/v1/portfolio/repay Portfolio Margin Bankruptcy Loan Repay

**2022-07-18**

* New endpoint for Portfolio Margin:
  + GET /sapi/v1/portfolio/collateralRate to get Portfolio Margin Collateral Rate.

**2022-07-01**

* New endpoint for Wallet:
  + POST /sapi/v3/asset/getUserAsset to get user assets.
* New endpoint for Margin:
  + GET /sapi/v1/margin/dribblet to query the historical information of user's margin account small-value asset conversion BNB.
* Update endpoint for Convert:
  + GET /sapi/v1/convert/tradeFlow: Update weight from 3000 to 100.
* Update endpoint for Margin:
  + GET /sapi/v1/margin/repay: Add response field rawAsset.

**2022-06-20**

SPOT API: Changes to GET /api/v3/ticker

* Weight has been reduced from 5 to 2 per symbol, regardless of windowSize.
* The max number of symbols that can be processed in a request is 100.
  + If the number of symbols sent is more than 100, the error will be as follows:

{

"code": -1101,

"msg": "Too many values sent for parameter 'symbols', maximum allowed up to 100."

}

* The max Weight(IP) for this endpoint will cap at 100.
  + I.e. If the request has more than 50 symbols, the Weight will still be 100, regardless of windowSize.

**2022-06-15**

**Note:** The update is being rolled out over the next few days, so these changes may not be visible right away.

* GET /api/v3/ticker added
  + Rolling window price change statistics based on windowSize provided.
  + Contrary to GET /api/v3/ticker/24hr the list of symbols cannot be omitted.
  + If windowSize not specified, the value will default to 1d.
  + Response is similar to GET /api/v3/ticker/24hr, minus the following fields: prevClosePrice, lastQty, bidPrice, bidQty, askPrice, askQty
* POST /api/v3/order/cancelReplace added
  + Cancels an existing order and places a new order on the same symbol.
  + The filters are evaluated **before** the cancel order is placed.
    - e.g. If the MAX\_NUM\_ORDERS filter is 10, and the total number of open orders on the account is also 10, when using POST /api/v3/order/cancelReplace both the cancel order placement and new order will fail because of the filter.
  + The change is being rolled out in the next few days, thus this feature will be enabled once the upgrade is completed.
* GET /api/v3/exchangeInfo returns new field cancelReplaceAllowed in symbols list.
* New filter NOTIONAL has been added.
  + Defines the allowed notional value (price \* quantity) based on a configured minNotional and maxNotional
* New exchange filter EXCHANGE\_MAX\_NUM\_ICEBERG\_ORDERS has been added.
  + Defines the limit of open iceberg orders on an account

WEBSOCKETS

* New symbol ticker streams with 1h and 4h windows:
  + Individual symbol ticker streams
    - <symbol>@ticker\_<window-size>
  + All market ticker streams
    - !ticker\_<window-size>@arr

**2022-06-02**

* Update endpoint for Subaccount:
  + GET /sapi/v1/sub-account/sub/transfer/history: fromEmail and toEmail can be master email.

**2022-05-31**

* Update endpoint for Fiat:
  + GET /sapi/v1/fiat/orders: Weight changes from UID(3000) to UID(90000)
* Update endpoint for Pay:
  + GET /sapi/v1/pay/transactions: Param names changed: startTimestamp -> startTime; endTimestamp -> endTime.

**2022-05-26**

* Update endpoint for Fiat:
  + GET /sapi/v1/fiat/orders: Weight changes from IP(1) to UID(3000)
* Update info for the following margin account endpoints: The max interval between startTime and endTime is 30 days.:
  + GET /sapi/v1/margin/transfer
  + GET /sapi/v1/margin/loan
  + GET /sapi/v1/margin/repay
  + GET /sapi/v1/margin/isolated/transfer
  + GET /sapi/v1/margin/interestHistory

**2022-05-23**

* Changes to Order Book Depth Levels
  + Quantities in the Depth levels were returning negative values in situations where they were exceeding the max value, resulting in an overflow.
  + Going forward depth levels will not overflow, but will be capped at the max value based on the precision of the base asset. This means that the depth level is at max value or more.
    - E.g. If the precision is 8, then the max value for quantity will be at 92,233,720,368.54775807.
  + When the fix has been applied, a change in the order book at the affected price level is required for the changes to be visible.
* What does this affect?
  + SPOT API
    - GET /api/v3/depth
  + Websocket Streams
    - <symbol>@depth
    - <symbol>@depth@100ms
    - <symbol>@depth<levels>
    - <symbol>@depth<levels>@100ms
* Updates to MAX\_POSITION
  + If an order's quantity can cause the position to overflow, this will now fail the MAX\_POSITION filter.

**2022-05-19**

* Update endpoint for Mining:
  + GET /sapi/v1/mining/pub/algoList and GET /sapi/v1/mining/pub/coinList: Need no paramter.
* Add error codes (21xxx) for Portfolio Margin Account: -21001, -21002, -21003

**2022-05-17**

SPOT API

* Changes to GET api/v3/aggTrades
  + When providing startTime and endTime, the oldest items are returned.
* Changed error messaging on GET /api/v3/myTrades where parameter symbol is not provided:

{

"code": -1102,

"msg": "Mandatory parameter 'symbol' was not sent, was empty/null, or malformed."

}

* The following endpoints now support multi-symbol querying using the parameter symbols.
  + GET /api/v3/ticker/24hr
  + GET /api/v3/ticker/price
  + GET /api/v3/ticker/bookTicker
* In the above, the request weight will depend on the number of symbols provided in symbols.   
    
  Please refer to the table below:

| **Endpoint** | **Number of Symbols** | **Weight** |
| --- | --- | --- |
| GET /api/v3/ticker/price | Any | 2 |
| GET /api/v3/ticker/bookTicker | Any | 2 |
| GET /api/v3/ticker/24hr | 1-20 | 1 |
| GET /api/v3/ticker/24hr | 21-100 | 20 |
| GET /api/v3/ticker/24hr | 101 or more | 40 |

**2022-05-05**

* New endpoint for Binance Code:
  + GET /sapi/v1/giftcard/cryptography/rsa-public-key to fetch RSA public key.
* Update endpoint for Binance Code:
  + POST /sapi/v1/giftcard/redeemCode: new optional parameter externalUid. Each external unique ID represents a unique user on the partner platform. The function helps you to identify the redemption behavior of different users.

**2022-04-28**

* New endpoints for Staking:
  + GET /sapi/v1/staking/productList to get Staking product list
  + POST /sapi/v1/staking/purchase to stake product
  + POST /sapi/v1/staking/redeem to redeem product
  + GET /sapi/v1/staking/position to get Staking product holding position
  + GET /sapi/v1/staking/stakingRecord to inquiry Staking history records
  + POST /sapi/v1/staking/setAutoStaking to set Auto Staking function
  + GET /sapi/v1/staking/personalLeftQuota to inquiry Staking left quota

**2022-04-27**

* New endpoint for Futures Algo：
  + POST /sapi/v1/algo/futures/newOrderTwap to support Twap new order

FAQ: [Time-Weighted Average Price(Twap) Introduction](https://www.binance.com/en/support/faq/093927599fd54fd48857237f6ebec0b0)

**2022-04-26**

* GET /sapi/v1/margin/rateLimit/order added
  + The endpoint will display the user's current margin order count usage for all intervals.

**2022-04-20**

* New endpoint for Portfolio Margin:
  + GET /sapi/v1/portfolio/account to support query portfolio margin account info

FAQ: [Portfolio Margin Program](https://www.binance.com/en/support/faq/5054378212d240cca17ecd6006c11f23)

Only Portfolio Margin Account is accessible to this endpoint. To enroll, kindly refer to: [How to Enroll into the Binance Portfolio Margin Program](https://www.binance.com/en/support/faq/a7834b9bc03140728583a90bcb469144)

**2022-04-13**

* New endpoints for Futures Algo：
  + POST /sapi/v1/algo/futures/newOrderVp to support VP new order
  + DELETE /sapi/v1/algo/futures/order to support cancel Algo order
  + GET /sapi/v1/algo/futures/openOrders to support query Algo open orders
  + GET /sapi/v1/algo/futures/historicalOrders to support query Algo historical orders
  + GET /sapi/v1/algo/futures/subOrders to support query Algo sub orders for a specified algoId

FAQ: [Volume Participation(VP) Introduction](https://www.binance.com/en/support/faq/b0b94dcc8eb64c2585763b8747b60702)

**2022-04-13**

**Information on Trailing Stops**

SPOT API

* Trailing Stops have been enabled.
  + This is a type of algo order where the activation is based on a percentage of a price change in the market using the new parameter trailingDelta.
  + This can only used with any of the following order types: STOP\_LOSS, STOP\_LOSS\_LIMIT, TAKE\_PROFIT, TAKE\_PROFIT\_LIMIT.
  + The trailingDelta parameter will be done in Basis Points or BIPS.
    - For example: a STOP\_LOSS SELL order with a trailingDelta of 100 will trigger after a price decrease of 1%. (100 / 10,000 => 0.01 => 1%)
  + When used in combination with OCO Orders, the trailingDelta will determine when the contingent leg of the OCO will trigger.
  + When trailingDelta is used in combination with stopPrice, once the stopPrice condition is met, the trailing stop starts tracking the price change from the stopPrice based on the trailingDelta provided.
  + When no stopPrice is sent, the trailing stop starts tracking the price changes from the last price based on the trailingDelta provided.
* Changes to POST /api/v3/order
  + New optional field trailingDelta
* Changes to POST /api/v3/order/test
  + New optional field trailingDelta
* Changes to POST /api/v3/order/oco
  + New optional field trailingDelta
* A new filter TRAILING\_DELTA has been added.
  + This filter is defined by the minimum and maximum values for the trailingDelta value.

USER DATA STREAM

* New field in executionReport
  + "d" for trailingDelta

**2022-04-12**

**Note:** The changes are being rolled out during the next few days, so these will not appear right away.

* Error message changed on GET api/v3/allOrders where symbol is not provided:   
    
  { "code": -1102, "msg": "Mandatory parameter 'symbol' was not sent, was empty/null, or malformed." }
* Fixed a typo with an error message when an account has disabled permissions (e.g. to withdraw, to trade, etc)   
    
  "This action is disabled on this account."
* During a market data audit, we detected some issues with the Spot aggregate trade data.
  + Missing aggregate trades were recovered.
  + Duplicated records were marked invalid with the following values:
    - p = '0' // price
    - q = '0' // qty
    - f = -1 // ﬁrst\_trade\_id
    - l = -1 // last\_trade\_id

**2022-3-29**

The following updates will take effect on **March 31, 2022 08:00 AM UTC**

* Update endpoint for Sub-account：
  + GET /sapi/v1/sub-account/universalTransfer

The query time period must be less then 30 days; If startTime and endTime not sent, return records of the last 30 days by default

**2022-03-25**

* Update endpoint for Sub-Account:
  + New endpointGET /sapi/v1/managed-subaccount/accountSnapshot to support investor master account query asset snapshot of managed sub-account

**2022-03-08**

* Update endpoint for Sub-Account:
  + New transfer typesMARGIN,ISOLATED\_MARGIN and parametersymboladded inPOST /sapi/v1/sub-account/universalTransfer to support transfer to sub-account cross margin account and isolated margin account

**2022-02-28**

* New field allowTrailingStop has been added to GET /api/v3/exchangeInfo

**2022-02-22**

SPOT API

* (price-minPrice) % tickSize == 0 rule in PRICE\_FILTER has been changed to price % tickSize == 0.
* A new filter PERCENT\_PRICE\_BY\_SIDE has been added.
* Changes to GET api/v3/depth
  + The limit value can be outside of the previous values (i.e. 5, 10, 20, 50, 100, 500, 1000,5000) and will return the correct limit. (i.e. if limit=3 then the response will be the top 3 bids and asks)
  + The limit still cannot exceed 5000. If the limit provided is greater than 5000, then the response will be truncated to 5000.
  + Due to the changes, these are the updated request weights based on the limit value provided:

| **Limit** | **Request Weight** |
| --- | --- |
| 1-100 | 1 |
| 101-500 | 5 |
| 501-1000 | 10 |
| 1001-5000 | 50 |

* Changes to GET api/v3/aggTrades
  + When providing startTime and endTime, the oldest items are returned.

**2022-2-18**

* Update endpoint for Sub-Account:
  + New fields isManagedSubAccountand isAssetManagementSubAccount added inGET /sapi/v1/sub-account/listto support query whether the sub-account is a managed sub-account or a asset management sub-account

**2022-2-17**

The following updates will take effect on **February 24, 2022 08:00 AM UTC**

* Update endpoint for Wallet：
  + GET /sapi/v1/accountSnapshot

The time limit of this endpoint is shortened to only support querying the data of the latest month

**2022-2-09**

* New endpoint for Wallet:
  + POST /sapi/v1/asset/dust-btc to get assets that can be converted into BNB

**2022-1-25**

* From **January 28, 2022 4:00 AM UTC**, You need to openEnable Spot & Margin Tradingpermission for the API key which requests these endpoints as following：
  + POST /sapi/v1/asset/dust Dust transfer
  + POST /sapi/v1/lending/daily/purchase Purchase Savings flexible product
  + POST /sapi/v1/lending/daily/redeem Redeem Savings flexible product
  + POST /sapi/v1/lending/customizedFixed/purchase Purchase Savings Fixed/Activity project
  + POST /sapi/v1/lending/positionChanged Change Savings Fixed/Activity position to Daily position
  + POST /sapi/v1/bswap/liquidityAdd Bswap add liquidity
  + POST /sapi/v1/bswap/liquidityRemove Bswap remove liquidity
  + POST /sapi/v1/bswap/swap Bswap swap
  + POST /sapi/v1/bswap/claimRewards Bswap claim rewards

**2022-1-21**

* New endpoints for Binance Code:
  + POST /sapi/v1/giftcard/createCode to create a Binance Code.
  + POST /sapi/v1/giftcard/redeemCode to redeem a Binance Code.
  + GET /sapi/v1/giftcard/verify to verify a Binance Code.

**2022-1-4**

* New endpoint for Mining:
  + GET /sapi/v1/mining/payment/uid to get Mining account earning.
* New endpoints for BSwap:
  + GET /sapi/v1/bswap/unclaimedRewards to get unclaimed rewards record.
  + POST /sapi/v1/bswap/claimRewards to claim swap rewards or liquidity rewards.
  + GET /sapi/v1/bswap/claimedHistory to get history of claimed rewards.

**2021-12-30**

* Update endpoint for Margin：
  + Removed out limit fromGET /sapi/v1/margin/interestRateHistory; The max interval between startTime and endTime is 30 days.
* Update endpoint for Wallet：
  + As the Mining account is merged into Funding account, transfer types MAIN\_MINING, MINING\_MAIN, MINING\_UMFUTURE, MARGIN\_MINING, and MINING\_MARGIN will be discontinued in Universal Transfer endpoint POST /sapi/v1/asset/transfer on **January 05, 2022 08:00 AM UTC**

**2021-12-29**

* Removed out dated "Symbol Type" enum; added "Permissions" enum.

**2021-12-24**

* Update endpoints for Sub-Account:
  + New parameterclientTranIdadded inPOST /sapi/v1/sub-account/universalTransfer and GET /sapi/v1/sub-account/universalTransfer to support custom transfer id

**2021-12-03**

* New endpoints for Margin:
  + GET /sapi/v1/margin/crossMarginData to get cross margin fee data collection
  + GET /sapi/v1/margin/isolatedMarginData to get isolated margin fee data collection
  + GET /sapi/v1/margin/isolatedMarginTier to get isolated margin tier data collection
* New endpoints for NFT:
  + GET /sapi/v1/nft/history/transactions to get NFT transaction history
  + GET /sapi/v1/nft/history/deposit to get NFT deposit history
  + GET /sapi/v1/nft/history/withdraw to get NFT withdraw history
  + GET /sapi/v1/nft/user/getAsset to get NFT asset

**2021-11-30**

* New endpoint for Convert:
  + GET /sapi/v1/convert/tradeFlow to support user query convert trade history records
* New endpoint for Rebate:
  + GET /sapi/v1/rebate/taxQuery to support user query spot rebate history records

**2021-11-19**

* New endpoint for Pay:
  + GET /sapi/v1/pay/transactionsto support user query Pay trade history
* Update endpoint for Wallet:
  + New fieldinfoadded inGET /sapi/v1/capital/withdraw/historyto show the reason for withdrawal failure

**2021-11-18**

The following updates will take effect on **November 25, 2021 08:00 AM UTC**

* Update endpoint for Wallet：
  + GET /sapi/v1/accountSnapshot

The query time range of both endpoints are shortened to support data query within the last 6 months only, where startTime does not support selecting a timestamp beyond 6 months. If you do not specify startTime and endTime, the data of the last 7 days will be returned by default.

**2021-11-17**

* The following endpoints will be discontinued on **November 17, 2021 13:00 PM UTC**:
  + POST /sapi/v1/account/apiRestrictions/ipRestriction to support user enable and disable IP restriction for an API Key
  + POST /sapi/v1/account/apiRestrictions/ipRestriction/ipList to support user add IP list for an API Key
  + GET /sapi/v1/account/apiRestrictions/ipRestriction to support user query IP restriction for an API Key
  + DELETE /sapi/v1/account/apiRestrictions/ipRestriction/ipList to support user delete IP list for an API Key

**2021-11-16**

* New endpoints for Sub-Account:
  + POST /sapi/v1/sub-account/subAccountApi/ipRestriction to support master account enable and disable IP restriction for a sub-account API Key
  + POST /sapi/v1/sub-account/subAccountApi/ipRestriction/ipList to support master account add IP list for a sub-account API Key
  + GET /sapi/v1/sub-account/subAccountApi/ipRestriction to support master account query IP restriction for a sub-account API Key
  + DELETE /sapi/v1/sub-account/subAccountApi/ipRestriction/ipList to support master account delete IP list for a sub-account API Key

**2021-11-09**

* New endpoints for Wallet:
  + POST /sapi/v1/account/apiRestrictions/ipRestriction to support user enable and disable IP restriction for an API Key
  + POST /sapi/v1/account/apiRestrictions/ipRestriction/ipList to support user add IP list for an API Key
  + GET /sapi/v1/account/apiRestrictions/ipRestriction to support user query IP restriction for an API Key
  + DELETE /sapi/v1/account/apiRestrictions/ipRestriction/ipList to support user delete IP list for an API Key

**2021-11-08**

* New endpoint for Crypto Loans:
  + New endpointGET /sapi/v1/loan/incometo support user query crypto loans income history

**2021-11-05**

* Update endpoint for Wallet:
  + New parameter walletTypeadded in POST /sapi/v1/capital/withdraw/apply to support user choose wallet type spot wallet and funding wallet when withdraw crypto.

**2021-11-04**

The following updates will take effect on **November 11, 2021 08:00 AM UTC**

* Update endpoints for Wallet and Futures：
  + GET /sapi/v1/asset/transfer
  + GET /sapi/v1/futures/transfer

The query time range of both endpoints are shortened to support data query within the last 6 months only, where startTime does not support selecting a timestamp beyond 6 months. If you do not specify startTime and endTime, the data of the last 7 days will be returned by default.

**2021-11-01**

* GET /api/v3/rateLimit/order added
  + The endpoint will display the user's current order count usage for all intervals.
  + This endpoint will have a request weight of 20.

**2021-10-22**

* Update endpoint for Wallet:
  + New transfer types MAIN\_FUNDING,FUNDING\_MAIN,FUNDING\_UMFUTURE,UMFUTURE\_FUNDING,MARGIN\_FUNDING,FUNDING\_MARGIN,FUNDING\_CMFUTUREand CMFUTURE\_FUNDING added in Universal Transfer endpoint POST /sapi/v1/asset/transfer and GET /sapi/v1/asset/transfer to support transfer assets among funding account and other accounts
  + As the C2C account, Binance Payment, Binance Card and other business account are merged into a Funding account, transfer types MAIN\_C2C,C2C\_MAIN,C2C\_UMFUTURE,C2C\_MINING,UMFUTURE\_C2C,MINING\_C2C,MARGIN\_C2C,C2C\_MARGIN,MAIN\_PAYand PAY\_MAIN will be discontinued in Universal Transfer endpoint POST /sapi/v1/asset/transfer and GET /sapi/v1/asset/transfer on **November 04, 2021 08:00 AM UTC**

**2021-10-14**

* Update the time range of the response data for the following margin account endpoints, startTime and endTime time span will not exceed 30 days, without time parameter sent the system will return the last 7 days of data by default, while the archived parameter is true, the system will return the last 7 days of data 6 months ago by default:
  + GET /sapi/v1/margin/transfer
  + GET /sapi/v1/margin/loan
  + GET /sapi/v1/margin/repay
  + GET /sapi/v1/margin/isolated/transfer
  + GET /sapi/v1/margin/interestHistory

**2021-09-18**

* New endpoints for BSwap:
  + GET /sapi/v1/bswap/poolConfigure to get pool configure
  + GET /sapi/v1/bswap/addLiquidityPreview to get add liquidity preview
  + GET /sapi/v1/bswap/removeLiquidityPreview to get remove liquidity preview

**2021-09-17**

* Add/api/\*and/sapi/\* limit introduction in General Info

**2021-09-08**

* Add endpoints for enabled isolated margin account limit:
  + DELETE /sapi/v1/margin/isolated/account to disable isolated margin account for a specific symbol
  + POST /sapi/v1/margin/isolated/account to enable isolated margin account for a specific symbol
  + GET /sapi/v1/margin/isolated/accountLimit to query enabled isolated margin account limit
* New field "enabled" in response of GET /sapi/v1/margin/isolated/account to check if the isolated margin account is enabled

**2021-09-03**

* Update endpoint for Wallet:
  + New fields sameAddress,depositDust and specialWithdrawTipsadded in GET /sapi/v1/capital/config/getall sameAddress means if the coin needs to provide memo to withdraw depositDust means minimum creditable amount specialWithdrawTips means special tips for withdraw
  + New field confirmNoadded in GET /sapi/v1/capital/withdraw/history to support query confirm times for withdraw history

**2021-08-27**

* Update endpoint for Wallet:
  + New parameter withdrawOrderIdadded in GET /sapi/v1/capital/withdraw/history to support user query withdraw history by withdrawOrderId
  + New field unlockConfirmadded in GET /sapi/v1/capital/deposit/hisrec to support query network confirm times for unlocking

**2021-08-23**

* New endpoints for Margin Account OCO:
  + POST /sapi/v1/margin/order/oco
  + DELETE /sapi/v1/margin/orderList
  + GET /sapi/v1/margin/orderList
  + GET /sapi/v1/margin/allOrderList
  + GET /sapi/v1/margin/openOrderList

Same usage as spot account OCO

**2021-08-20**

* Update endpoint for Wallet:
  + New parametersfromSymbol,toSymboland new transfer types ISOLATEDMARGIN\_MARGIN, MARGIN\_ISOLATEDMARGINand ISOLATEDMARGIN\_ISOLATEDMARGIN added in POST /sapi/v1/asset/transfer and GET /sapi/v1/asset/transfer to support user transfer assets between Margin(cross) account and Margin(isolated) account

**2021-08-12**

* GET api/v3/myTrades has a new optional field orderId

**2021-08-05**

* New endpoint for C2C:
  + GET /sapi/v1/c2c/orderMatch/listUserOrderHistory to query user C2C trade history

**2021-08-05**

* Update endpoints for Savings:
  + GET /sapi/v1/lending/union/purchaseRecord
  + GET /sapi/v1/lending/union/redemptionRecord
  + GET /sapi/v1/lending/union/interestHistory

The time between startTime and endTime cannot be longer than 30 days. If startTime and endTime are both not sent, then the last 30 days' data will be returned

**2021-07-29**

* Update endpoint for Sub-Account:
  + GET /sapi/v1/sub-account/transfer/subUserHistory if startTimeandendTimeare not sent, the recent 30-day data will be returned by default

**2021-07-27**

* New endpoint for Fiat:
  + GET /sapi/v1/fiat/orders to query user fiat deposit and withdraw history
  + GET /sapi/v1/fiat/payments to query user fiat payments history

**2021-07-16**

* New endpoint for Wallet:
  + GET /sapi/v1/account/apiRestrictions to query user API Key permission

**2021-07-09**

* New endpoint for Wallet:
  + POST /sapi/v1/asset/get-funding-asset to query funding wallet, includes Binance Pay, Binance Card, Binance Gift Card, Stock Token

**2021-06-24**

* Update endpoints for Wallet:
  + GET /sapi/v1/capital/withdraw/history added default value 1000, max value 1000 for the parameterlimit
  + GET /sapi/v1/capital/deposit/hisrec added default value 1000, max value 1000 for the parameterlimit

**2021-06-17**

* Update endpoint for Savings:
  + GET /sapi/v1/lending/daily/product/list to include new parameters current and size

**2021-06-15**

* New endpoints for Sub-Account:
  + POST /sapi/v1/managed-subaccount/deposit to deposit assets into the managed sub-account (only for investor master account)
  + GET /sapi/v1/managed-subaccount/asset to query managed sub-account asset details (only for investor master account)
  + POST /sapi/v1/managed-subaccount/withdraw to withdrawal assets from the managed sub-account (only for investor master account)

**2021-06-04**

On **August 01, 2021 02:00 AM UTC** the WAPI endpoints will be discontinued:

* GET /wapi/v3/systemStatus.html
* POST /wapi/v3/withdraw.html
* GET /wapi/v3/depositHistory.html
* GET /wapi/v3/withdrawHistory.html
* GET /wapi/v3/depositAddress.html
* GET /wapi/v3/accountStatus.html
* GET /wapi/v3/apiTradingStatus.html
* GET /wapi/v3/userAssetDribbletLog.html
* GET /wapi/v3/assetDetail.html
* GET /wapi/v3/tradeFee.html
* GET /wapi/v3/sub-account/list.html
* GET /wapi/v3/sub-account/transfer/history.html
* POST /wapi/v3/sub-account/transfer.html
* GET /wapi/v3/sub-account/assets.html

The WAPI endpoints have been removed from Binance API Documentation.To ensure your trading strategies are not affected, all API users are encouraged to upgrade trading bots to SAPI endpoints as soon as possible.

**2021-05-26**

* Update endpoint for Wallet:
  + New transfer types MAIN\_PAY ,PAY\_MAIN added in Universal Transfer endpoint POST /sapi/v1/asset/transfer and GET /sapi/v1/asset/transfer to support trasnfer assets between spot account and pay account

**2021-05-12**

* Added Data Source in the documentation to explain where each endpoint is retrieving its data
* Added field Data Source to each Spot API endpoint in the documentation
* GET api/v3/exchangeInfo now supports single or multi-symbol query

**2021-04-28**

On **May 15, 2021 08:00 UTC** the SAPI Create Margin Account endpoint will be discontinued:

* POST /sapi/v1/margin/isolated/create

Isolated Margin account creation and trade preparation can be completed directly through Isolated Margin funds transfer POST /sapi/v1/margin/isolated/transfer

**2021-04-26**

On **April 28, 2021 00:00 UTC** the weights to the following endpoints will be adjusted:

* GET /api/v3/order weight increased to 2
* GET /api/v3/openOrders weight increased to 3
* GET /api/v3/allOrders weight increased to 10
* GET /api/v3/orderList weight increased to 2
* GET /api/v3/openOrderList weight increased to 3
* GET /api/v3/account weight increased to 10
* GET /api/v3/myTrades weight increased to 10
* GET /api/v3/exchangeInfo weight increased to 10

**2021-04-08**

* Update endpoint for Sub-Account:
  + GET /sapi/v1/sub-account/futures/accountSummary and GET /sapi/v2/sub-account/futures/accountSummary the unit of field asset changed to USD valued summary of sub-account assets

**2021-04-02**

* New endpoints for Wallet:
  + GET /sapi/v1/system/status to query system status
  + GET /sapi/v1/account/status to query account status
  + GET /sapi/v1/account/apiTradingStatus to query account API trading status
  + GET /sapi/v1/asset/dribblet to query dust log
  + GET /sapi/v1/asset/assetDetail to query asset detail
  + GET /sapi/v1/asset/tradeFee to query trade fee
* New endpoint for Sub-Account:
  + GET /sapi/v3/sub-account/assets to query sub-account assets

**2021-04-01**

* Update endpoint for Sub-Account:
  + GET /sapi/v1/sub-account/transfer/subUserHistory new fields fromAccountType and toAccountType added in response

**2021-03-31**

* Update endpoint for Sub-Account:
  + GET /wapi/v3/sub-account/transfer/history.html added new parameters fromEmail and toEmail, the original parameteremail is equal tofromEmailby default

**2021-03-08**

* New endpoint for Sub-Account:
  + POST /sapi/v1/sub-account/virtualSubAccount to support create a virtual sub-account
  + GET /sapi/v1/sub-account/list to support query sub-account list

**2021-03-05**

* New endpoints for Margin:
  + GET /sapi/v1/margin/interestRateHistory to support margin interest rate history query

**2021-02-08**

* New endpoints for Futures:
  + GET /sapi/v2/futures/loan/wallet to support BUSD loan query
  + GET /sapi/v2/futures/loan/configs to support BUSD loan query
  + GET /sapi/v2/futures/loan/calcAdjustLevel to support BUSD loan
  + GET /sapi/v2/futures/loan/calcMaxAdjustAmount to support adjustment of BUSD loan
  + POST /sapi/v2/futures/loan/adjustCollateral to support adjustment of BUSD loan
* Update endpoints for Futures
  + GET /sapi/v1/futures/loan/adjustCollateral/history new parameter and fields in response loanCoin for BUSD loan
  + GET /sapi/v1/futures/loan/liquidationHistory new parameter and fields in response loanCoin for BUSD loan

**2021-02-04**

* New transfer types MARGIN\_MINING ,MINING\_MARGIN, MARGIN\_C2C ,C2C\_MARGIN, MARGIN\_CMFUTURE, CMFUTURE\_MARGIN added in Universal Transfer endpoint POST /sapi/v1/asset/transfer and GET /sapi/v1/asset/transfer.

**2021-01-15**

* New endpoint DELETE /sapi/v1/margin/openOrders for Margin Trade
  + This will allow a user to cancel all open orders on a single symbol for margin account.
  + This endpoint will cancel all open orders including OCO orders for margin account.

**2021-01-10**

* New parameter pageSize for Mining endpoint GET /sapi/v1/mining/payment/list
* New fields in response to Mining endpoint GET /sapi/v1/mining/payment/list:
  + "type" for income type
  + "hashTransfer" for resale Hashrate
  + "transferAmount" for transferred Income
* New Mining endpoints:
  + GET /sapi/v1/mining/payment/other
  + GET /sapi/v1/mining/hash-transfer/config/details
  + GET /sapi/v1/mining/hash-transfer/config/details/list
  + GET /sapi/v1/mining/hash-transfer/profit/details
  + POST /sapi/v1/mining/hash-transfer/config
  + POST /sapi/v1/mining/hash-transfer/config/cancel

**2021-01-01**

USER DATA STREAM

* outboundAccountInfo has been removed.

**2020-12-30**

* New endpoint for Wallet:
  + POST /sapi/v1/asset/transfer to support user universal transfer among Spot, Margin, Futures, C2C, MINING accounts.
  + GET /sapi/v1/asset/transfer to get user universal transfer history.

**2020-12-22**

* New endpoint for Sub-Account:
  + GET /sapi/v1/sub-account/sub/transfer/history to get spot asset transfer history.

**2020-12-11**

* Update endpoints for Futures Cross-Collateral:
  + GET /sapi/v1/futures/loan/wallet new fields in response interestFreeLimit for total interest free limit, interestFreeLimitUsed for interest free limit used.
  + GET /sapi/v1/futures/loan/interestHistory new fields in response interestFreeLimitUsed for interest free limit used.

**2020-12-02**

* New endpoints for Sub-Account:
  + GET /sapi/v2/sub-account/futures/account to get detail on sub-account's USDT margined futures account and COIN margined futures account.
  + GET /sapi/v2/sub-account/futures/accountSummary to get summary of sub-account's USDT margined futures account and COIN margined futures account.
  + GET /sapi/v2/sub-account/futures/positionRisk to get position risk of sub-account's USDT margined futures account and COIN margined futures account.

**2020-12-01**

* Update Margin Trade Endpoint:
  + POST /sapi/v1/margin/order new parameter quoteOrderQty allow a user to specify the total quoteOrderQty spent or received in the MARKET order.

**2020-11-27**

New API clusters have been added in order to improve performance.

Users can access any of the following API clusters, in addition to api.binance.com

If there are any performance issues with accessing api.binance.com please try any of the following instead:

* https://api1.binance.com/api/v3/\*
* https://api2.binance.com/api/v3/\*
* https://api3.binance.com/api/v3/\*

**2020-11-16**

* Updated endpoints for Margin, new parameter archived to query data from 6 months ago:
  + GET /sapi/v1/margin/loan
  + GET /sapi/v1/margin/repay
  + GET /sapi/v1/margin/interestHistory

**2020-11-13**

* New endpoints for Sub-Account:
  + POST /sapi/v1/sub-account/universalTransfer to transfer spot and futures asset between master account and sub accounts.
  + GET /sapi/v1/sub-account/universalTransfer to search transfer records.

**2020-11-10**

* New endpoint to toggle BNB Burn:
  + POST /sapi/v1/bnbBurn to toggle BNB Burn on spot trade and margin interest.
  + GET /sapi/v1/bnbBurn to get BNB Burn status.

**2020-11-09**

* New field tranId is available from endpoints:
  + GET /sapi/v1/sub-account/futures/internalTransfer
  + GET /sapi/v1/sub-account/transfer/subUserHistory

**2020-11-03**

* Update endpoints for Futures Cross-Collateral:
  + GET /sapi/v1/futures/loan/repay/history new fields in response repayType(NORMAL for normal repayment, COLLATERAL for collateral repayment), price (collateral repayment rate), repayCollateral(collateral amount for collateral repayment).
  + GET /sapi/v1/futures/loan/wallet new fields in response totalInterest (total interest for cross-collateral), principalForInterest(cross-collateral principal for interest), interest(cross-collateral interest).
  + GET /sapi/v1/futures/loan/configs new fields in response interestRate (interest rate for cross-collateral), interestGracePeriod (interest grace period for cross-collateral).
* New endpoints for Futures Cross-Collateral:
  + GET /sapi/v1/futures/loan/collateralRepayLimit to check the maximum and minimum limit when repay with collateral.
  + GET /sapi/v1/futures/loan/collateralRepay to get quote for collateral repayment.
  + POST /sapi/v1/futures/loan/collateralRepay to repay with collateral.
  + GET /sapi/v1/futures/loan/collateralRepayResult to check collateral repayment result.
  + GET /sapi/v1/futures/loan/interestHistory to get cross-collateral interest history.

**2020-10-14**

* Update endpoints for Futures Cross-Collateral:
  + POST /sapi/v1/futures/loan/borrow and GET /sapi/v1/futures/loan/borrow/history new field borrowId in response for ID of Cross-Collateral borrow operation.
  + POST /sapi/v1/futures/loan/repay and GET /sapi/v1/futures/loan/repay/history new field repayId in response for ID of Cross-Collateral repay operation.

**2020-10-10**

* New type added in the endpoint POST /sapi/v1/sub-account/futures/transferto support transfer asset from subaccount's spot account to its COIN-margined futures account and transfer asset from subaccount's COIN-margined futures account to its spot account.

**2020-09-30**

* Update endpoints for Margin Account:
  + GET /sapi/v1/margin/maxBorrowable new field borrowLimit in response for account borrow limit.

**2020-09-28**

* New endpoints for Binance Savings:
  + POST /sapi/v1/lending/positionChanged to change fixed/activity position to daily position.
* New parameter ACTIVITY replace REGULARin the following Binance Savings endpoints:
  + GET /sapi/v1/lending/project/list
  + POST /sapi/v1/lending/customizedFixed/purchase
  + GET /sapi/v1/lending/project/position/list
  + GET /sapi/v1/lending/union/purchaseRecord
  + GET /sapi/v1/lending/union/interestHistory

**2020-09-23**

* New SAPI endpoints for BSwap:
  + GET /sapi/v1/bswap/pools to list all swap pools.
  + GET /sapi/v1/bswap/liquidity to get liquidity information of a pool.
  + POST /sapi/v1/bswap/liquidityAdd to add liquidity.
  + POST /sapi/v1/bswap/liquidityRemove to remove liquidity.
  + GET /sapi/v1/bswap/liquidityOps to get liquidity operation record.
  + GET /sapi/v1/bswap/quote to request quotes.
  + POST /sapi/v1/bswap/swap to swap.
  + GET /sapi/v1/bswap/swap to get swap history.

**2020-09-09**

USER DATA STREAM

* outboundAccountInfo has been deprecated.
* outboundAccountInfo will be removed in the future. (Exact date unknown) **Please use outboundAccountPosition instead.**
* outboundAccountInfo will now only show the balance of non-zero assets and assets that have been reduced to 0.

**2020-09-03**

* New endpoint POST /sapi/v1/sub-account/futures/internalTransfer to transfer futures asset between master account and subaccount.
* New endpointGET /sapi/v1/sub-account/futures/internalTransfer to get futures transfer history of subaccount.

**2020-09-01**

* New parameter masterAccountTotalAsset added in the endpoint GET /sapi/v1/sub-account/spotSummary to get BTC valued asset summary of master account.

**2020-08-27**

* New endpoint GET /sapi/v1/sub-account/spotSummary to get BTC valued asset summary of subaccout.

**2020-08-26**

* New parameter symbols added in the endpoint GET /sapi/v1/margin/isolated/account.

**2020-07-28**

ISOLATED MARGIN

* New parameters "isIsolated" and "symbol" added for isolated margin in the following endpoints:
  + POST /sapi/v1/margin/loan
  + POST /sapi/v1/margin/repay
* New parameter "isIsolated" and new response field "isIsolated" added for isolated margin in the following endpoints:
  + POST /sapi/v1/margin/order
  + DELETE /sapi/v1/margin/order
  + GET /sapi/v1/margin/order
  + GET /sapi/v1/margin/openOrders
  + GET /sapi/v1/margin/allOrders
  + GET /sapi/v1/margin/myTrades
* New parameter "isolatedSymbol" and new response field "isolatedSymbol" added for isolated margin in the following endpoints:
  + GET /sapi/v1/margin/loan
  + GET /sapi/v1/margin/repay
  + GET /sapi/v1/margin/interestHistory
* New parameter "isolatedSymbol" and new response field "isIsolated" added for isolated margin in the following endpoint GET /sapi/v1/margin/forceLiquidationRec
* New parameter "isolatedSymbol" added for isolated margin in the following endpoints:
  + GET /sapi/v1/margin/maxBorrowable
  + GET /sapi/v1/margin/maxTransferable
* New endpoints for isolated margin:
  + POST /sapi/v1/margin/isolated/create
  + POST /sapi/v1/margin/isolated/transfer
  + GET /sapi/v1/margin/isolated/transfer
  + GET /sapi/v1/margin/isolated/account
  + GET /sapi/v1/margin/isolated/pair
  + GET /sapi/v1/margin/isolated/allPairs
* New endpoints for listenKey management of isolated margin account:
  + POST /sapi/v1/userDataStream/isolated
  + PUT /sapi/v1/userDataStream/isolated
  + DELETE /sapi/v1/userDataStream/isolated

**2020-07-20**

* The max value of parameter "limit" in GET /sapi/v1/margin/allOrders has been changed as 500.

**2020-07-17**

* There is now a request limit specifically for the sapi/v1/margin/allOrders endpoint at 60 raw requests per minute for a single IP address.

**2020-07-13**

* New SAPI Endpoints for futures Cross-Collateral:
  + POST /sapi/v1/futures/loan/borrow
  + GET /sapi/v1/futures/loan/borrow/history
  + POST /sapi/v1/futures/loan/repay
  + GET /sapi/v1/futures/loan/repay/history
  + GET /sapi/v1/futures/loan/wallet
  + GET /sapi/v1/futures/loan/configs
  + GET /sapi/v1/futures/loan/calcAdjustLevel
  + GET /sapi/v1/futures/loan/calcMaxAdjustAmount
  + POST /sapi/v1/futures/loan/adjustCollateral
  + GET /sapi/v1/futures/loan/adjustCollateral/history
  + GET /sapi/v1/futures/loan/liquidationHistory

**2020-06-28**

* SAPI Endpoints for futures:
  + POST /sapi/v1/futures/transfer
  + GET /sapi/v1/futures/transfer

**2020-05-06**

* New endpoints for Mining:
  + GET /sapi/v1/mining/pub/algoList
  + GET /sapi/v1/mining/pub/coinList
  + GET /sapi/v1/mining/worker/detail
  + GET /sapi/v1/mining/worker/list
  + GET /sapi/v1/mining/payment/list
  + GET /sapi/v1/mining/statistics/user/status
  + GET /sapi/v1/mining/statistics/user/list

**2020-05-01**

* From 2020-05-01 UTC 00:00, all symbols will have a limit of 200 open orders using the [MAX\_NUM\_ORDERS](https://binance-docs.github.io/apidocs/spot/en/#filters) filter.
  + No existing orders will be removed or canceled.
  + Accounts that have 200 or more open orders on a symbol will not be able to place new orders on that symbol until the open order count is below 200.
  + OCO orders count as 2 open orders before the LIMIT order is touched or the STOP\_LOSS (or STOP\_LOSS\_LIMIT) order is triggered; once this happens the other order is canceled and will no longer count as an open order.

**2020-04-25**

SPOT API

* New field permissions
  + Defines the trading permissions that are allowed on accounts and symbols.
  + permissions is an enum array; values:
    - SPOT
    - MARGIN
  + permissions will replace isSpotTradingAllowed and isMarginTradingAllowed on GET api/v3/exchangeInfo in future API versions (v4+).
  + For an account to trade on a symbol, the account and symbol must share at least 1 permission in common.
* Updates to GET api/v3/exchangeInfo
  + New field permissions added.
  + New field quoteAssetPrecision added; a duplicate of the quotePrecision field. quotePrecision will be removed in future API versions (v4+).
* Updates to GET api/v3/account
  + New field permissions added.
* New endpoint DELETE api/v3/openOrders
  + This will allow a user to cancel all open orders on a single symbol.
  + This endpoint will cancel all open orders including OCO orders.
* Orders can be canceled via the API on symbols in the BREAK or HALT status.

USER DATA STREAM

* OutboundAccountInfo has new field P which shows the trading permissions of the account.

**2020-04-23**

WEB SOCKET STREAM

* WebSocket connections have a limit of 5 incoming messages per second. A message is considered:
  + A PING frame
  + A PONG frame
  + A JSON control message (e.g. subscribe, unsubscribe)
* A connection that goes beyond the limit will be disconnected; IPs that are repeatedly disconnected may be banned.
* A single connection can listen to a maximum of 1024 streams.

**2020-04-16**

* New fields in response to endpointGET /sapi/v1/lending/daily/token/position：
  + todayPurchasedAmount for user's purchased amount today
* New lending endpoints for customized fixed projects:
  + GET /sapi/v1/lending/project/list
  + POST /sapi/v1/lending/customizedFixed/purchase
  + GET /sapi/v1/lending/project/position/list

**2020-04-02**

* New fields in response to endpointGET /sapi/v1/capital/config/getall：
  + minConfirm for min number for balance confirmation
  + unLockConfirm for confirmation number for balance unlock

**2020-03-24**

* MAX\_POSITION filter added.
  + This filter defines the allowed maximum position an account can have on the base asset of a symbol. An account's position defined as the sum of the account's:
    - free balance of the base asset
    - locked balance of the base asset
    - sum of the qty of all open BUY orders
  + BUY orders will be rejected if the account's position is greater than the maximum position allowed.

**2020-03-13**

* New parameter transactionFeeFlag is available in endpoint:
  + POST /sapi/v1/capital/withdraw/apply and
  + POST /wapi/v3/withdraw.html

**2020-02-05**

* New sub account endpoints:
  + POST /sapi/v1/sub-account/futures/transfer to transfer between futures and spot accout of sub-account.
  + POST /sapi/v1/sub-account/margin/transfer to transfer between margin and spot accout of sub-account.
  + POST /sapi/v1/sub-account/transfer/subToSub to transfer to another account by sub-account.
  + POST /sapi/v1/sub-account/transfer/subToMaster to transfer to same master by sub-account.
  + GET /sapi/v1/sub-account/transfer/subUserHistory to get transfer history of sub-account.

**2020-01-15**

* New parameter withdrawOrderId for client customized withdraw id for endpoint POST /wapi/v3/withdraw.html.
* New field withdrawOrderId in response to GET /wapi/v3/withdrawHistory.html

**2019-12-25**

* New endpoints for Binance Savings:
  + GET /sapi/v1/lending/daily/product/list
  + GET /sapi/v1/lending/daily/userLeftQuota
  + POST /sapi/v1/lending/daily/purchase
  + GET /sapi/v1/lending/daily/userRedemptionQuota
  + POST /sapi/v1/lending/daily/redeem
  + GET /sapi/v1/lending/daily/token/position
  + GET /sapi/v1/lending/union/account
  + GET /sapi/v1/lending/union/purchaseRecord
  + GET /sapi/v1/lending/union/redemptionRecord
  + GET /sapi/v1/lending/union/interestHistory
* Added time interval limit in  
  GET /sapi/v1/capital/withdraw/history,  
  GET /wapi/v3/withdrawHistory.html,  
  GET /sapi/v1/capital/deposit/hisrec and  
  GET /wapi/v3/depositHistory.html:
  + The default startTime is 90 days from current time, and the default endTime is current time.
  + Please notice the default startTime and endTime to make sure that time interval is within 0-90 days.
  + If both startTime and endTime are sent, time between startTime and endTime must be less than 90 days.

**2019-12-18**

* New endpoint to get daily snapshot of account:  
  GET /sapi/v1/accountSnapshot

**2019-11-30**

* Added parameter sideEffectType in POST /sapi/v1/margin/order (HMAC SHA256) with enums:
  + NO\_SIDE\_EFFECT for normal trade order;
  + MARGIN\_BUY for margin trade order;
  + AUTO\_REPAY for making auto repayment after order filled.
* New field marginBuyBorrowAmount and marginBuyBorrowAsset in FULL response to POST /sapi/v1/margin/order (HMAC SHA256)

**2019-11-28**

* New SAPI endpont to disable fast withdraw switch:  
  POST /sapi/v1/account/disableFastWithdrawSwitch (HMAC SHA256)
* New SAPI endpont to enable fast withdraw switch:  
  POST /sapi/v1/account/enableFastWithdrawSwitch (HMAC SHA256)

**2019-11-22**

* Quote Order Qty Market orders have been enabled on all symbols.
  + Quote Order Qty MARKET orders allow a user to specify the total quoteOrderQty spent or received in the MARKET order.
  + Quote Order Qty MARKET orders will not break LOT\_SIZE filter rules; the order will execute a quantity that will have the notional value as close as possible to quoteOrderQty.
  + Using BNBBTC as an example:
    - On the BUY side, the order will buy as many BNB as quoteOrderQty BTC can.
    - On the SELL side, the order will sell as much BNB as needed to receive quoteOrderQty BTC.

**2019-11-19**

* GET /sapi/v1/sub-account/margin/account has new field: marginTradeCoeffVo which contains
  + forceLiquidationBar for liquidation margin ratio
  + marginCallBar for margin call margin ratio
  + normalBar for initial margin ratio

**2019-11-13**

Rest API

* api/v3/exchangeInfo has new fields:
  + quoteOrderQtyMarketAllowed
  + baseCommissionPrecision
  + quoteCommissionPrecision
* MARKET orders have a new optional field: quoteOrderQty used to specify the quote quantity to BUY or SELL. This cannot be used in combination with quantity.
  + The exact timing that quoteOrderQty MARKET orders will be enabled is TBD. There will be a separate announcement and further details at that time.
* All order query endpoints will return a new field origQuoteOrderQty in the JSON payload. (e.g. GET api/v3/allOrders)

{

"code": -1128,

"msg": "Combination of optional parameters invalid. Recommendation: 'stopLimitTimeInForce' should also be sent."

}

* Updated error messages for -1128
  + Sending an OCO with a stopLimitPrice but without a stopLimitTimeInForce will return the error:
* Updated error messages for -1003 to specify the limit is referring to the request weight, not to the number of requests.

**Deprecation of v1 endpoints**:

By end of Q1 2020, the following endpoints will be removed from the API. The documentation has been updated to use the v3 versions of these endpoints.

* GET api/v1/depth
* GET api/v1/historicalTrades
* GET api/v1/aggTrades
* GET api/v1/klines
* GET api/v1/ticker/24hr
* GET api/v1/ticker/price
* GET api/v1/exchangeInfo
* POST api/v1/userDataStream
* PUT api/v1/userDataStream
* GET api/v1/ping
* GET api/v1/time
* GET api/v1/ticker/bookTicker

**These endpoints however, will NOT be migrated to v3. Please use the following endpoints instead moving forward.**

|  |  |
| --- | --- |
| **Old V1 Endpoints** | **New V3 Endpoints** |
| GET api/v1/ticker/allPrices | GET api/v3/ticker/price |
| GET api/v1/ticker/allBookTickers | GET api/v3/ticker/bookTicker |

USER DATA STREAM

* Changes toexecutionReport event
  + If the C field is empty, it will now properly return null, instead of "null".
  + New field Q which represents the quoteOrderQty.
* balanceUpdate event type added
  + This event occurs when funds are deposited or withdrawn from your account.

WEB SOCKET STREAM

* WSS now supports live subscribing/unsubscribing to streams.

**2019-11-08**

* New sapi for subaccount management on margin and futures:
  + GET /sapi/v1/sub-account/status (HMAC SHA256)
  + POST /sapi/v1/sub-account/margin/enable (HMAC SHA256)
  + GET /sapi/v1/sub-account/margin/account (HMAC SHA256)
  + GET /sapi/v1/sub-account/margin/accountSummary (HMAC SHA256)
  + POST /sapi/v1/sub-account/futures/enable (HMAC SHA256)
  + GET /sapi/v1/sub-account/futures/account (HMAC SHA256)
  + GET /sapi/v1/sub-account/futures/accountSummary (HMAC SHA256)
  + GET /sapi/v1/sub-account/futures/positionRisk (HMAC SHA256)

**2019-11-04**

* New sapi endpoints for subaccount wallet.
  + GET /sapi/v1/capital/deposit/subAddress (HMAC SHA256)): fetch subaccount deposit address.
  + GET /sapi/v1/capital/deposit/subHisrec (HMAC SHA256)): fetch subaccount deposit history.

**2019-10-29**

* New sapi endpoints for wallet.
  + POST /sapi/v1/capital/withdraw/apply (HMAC SHA256): withdraw.
  + Get /sapi/v1/capital/withdraw/history (HMAC SHA256): fetch withdraw history with network.

**2019-10-14**

* New sapi endpoints for wallet.
  + GET /sapi/v1/capital/config/getall (HMAC SHA256): get all coins' information for user.
  + GET /sapi/v1/capital/deposit/hisrec (HMAC SHA256): fetch deposit history with network.
  + GET /sapi/v1/capital/deposit/address (HMAC SHA256): fetch deposit address with network.

**2019-10-11**

* Added parameter network in POST /wapi/v3/withdraw.html so that asset can be withdrawed with specific network.

**2019-09-09**

* New WebSocket streams for bookTickers added: <symbol>@bookTicker and !bookTicker.

**2019-09-03**

* Faster order book data with 100ms updates: <symbol>@depth@100ms and <symbol>@depth#@100ms
* Added "Update Speed:" to Websocket Market Streams
* Removed deprecated v1 endpoints as per previous announcement:
  + GET api/v1/order
  + GET api/v1/openOrders
  + POST api/v1/order
  + DELETE api/v1/order
  + GET api/v1/allOrders
  + GET api/v1/account
  + GET api/v1/myTrades

**2019-08-16**

* GET api/v1/depth limit of 10000 has been temporarily removed
* In Q4 2017, the following endpoints were deprecated and removed from the API documentation. They have been permanently removed from the API as of this version. We apologize for the omission from the original changelog:
  + GET api/v1/order
  + GET api/v1/openOrders
  + POST api/v1/order
  + DELETE api/v1/order
  + GET api/v1/allOrders
  + GET api/v1/account
  + GET api/v1/myTrades
* Streams, endpoints, parameters, payloads, etc. described in the documents in this repository are **considered official** and **supported**. The use of any other streams, endpoints, parameters, or payloads, etc. is **not supported; use them at your own risk and with no guarantees.**

**2019-09-15**

Rest API

* New order type: OCO ("One Cancels the Other")
  + An OCO has 2 orders: (also known as legs in financial terms)
    - STOP\_LOSS or STOP\_LOSS\_LIMIT leg
    - LIMIT\_MAKER leg
  + Price Restrictions:
    - SELL Orders : Limit Price > Last Price > Stop Price
    - BUY Orders : Limit Price < Last Price < Stop Price
    - As stated, the prices must "straddle" the last traded price on the symbol. EX: If the last price is 10:
      * A SELL OCO must have the limit price greater than 10, and the stop price less than 10.
      * A BUY OCO must have a limit price less than 10, and the stop price greater than 10.
  + Quantity Restrictions:
    - Both legs must have the **same quantity**.
    - ICEBERG quantities however, do not have to be the same.
  + Execution Order:
    - If the LIMIT\_MAKER is touched, the limit maker leg will be executed first BEFORE canceling the Stop Loss Leg.
    - if the Market Price moves such that the STOP\_LOSS or STOP\_LOSS\_LIMIT will trigger, the Limit Maker leg will be cancelled BEFORE executing the STOP\_LOSS Leg.
  + Cancelling an OCO
    - Cancelling either order leg will cancel the entire OCO.
    - The entire OCO can be canceled via the orderListId or the listClientOrderId.
  + New Enums for OCO:
    - ListStatusType
      * RESPONSE - used when ListStatus is responding to a failed action. (either order list placement or cancellation)
      * EXEC\_STARTED - used when an order list has been placed or there is an update to a list's status.
      * ALL\_DONE - used when an order list has finished executing and is no longer active.
    - ListOrderStatus
      * EXECUTING - used when an order list has been placed or there is an update to a list's status.
      * ALL\_DONE - used when an order list has finished executing and is no longer active.
      * REJECT - used when ListStatus is responding to a failed action. (either order list placement or cancellation)
    - ContingencyType
      * OCO - specifies the type of order list.
  + New Endpoints:
    - POST api/v3/order/oco
    - DELETE api/v3/orderList
    - GET api/v3/orderList
* recvWindow cannot exceed 60000.
* New intervalLetter values for headers:
  + SECOND => S
  + MINUTE => M
  + HOUR => H
  + DAY => D
* New Headers X-MBX-USED-WEIGHT-(intervalNum)(intervalLetter) will give your current used request weight for the (intervalNum)(intervalLetter) rate limiter. For example, if there is a one minute request rate weight limiter set, you will get a X-MBX-USED-WEIGHT-1M header in the response. The legacy header X-MBX-USED-WEIGHT will still be returned and will represent the current used weight for the one minute request rate weight limit.
* New Header X-MBX-ORDER-COUNT-(intervalNum)(intervalLetter)that is updated on any valid order placement and tracks your current order count for the interval; rejected/unsuccessful orders are not guaranteed to have X-MBX-ORDER-COUNT-\*\* headers in the response.
  + Eg. X-MBX-ORDER-COUNT-1S for "orders per 1 second" and X-MBX-ORDER-COUNT-1D for orders per "one day"
* GET api/v1/depth now supports limit 5000 and 10000; weights are 50 and 100 respectively.
* GET api/v1/exchangeInfo has a new parameter ocoAllowed.

USER DATA STREAM

* executionReport event now contains "g" which has the orderListId; it will be set to -1 for non-OCO orders.
* New Event Type listStatus; listStatus is sent on an update to any OCO order.
* New Event Type outboundAccountPosition; outboundAccountPosition is sent any time an account's balance changes and contains the assets that could have changed by the event that generated the balance change (a deposit, withdrawal, trade, order placement, or cancelation).

NEW ERRORS

* **-1131 BAD\_RECV\_WINDOW**
  + recvWindow must be less than 60000
* **-1099 Not found, authenticated, or authorized**
  + This replaces error code -1999

NEW -2011 ERRORS

* **OCO\_BAD\_ORDER\_PARAMS**
  + A parameter for one of the orders is incorrect.
* **OCO\_BAD\_PRICES**
  + The relationship of the prices for the orders is not correct.
* **UNSUPPORTED\_ORD\_OCO**
  + OCO orders are not supported for this symbol.

**2019-03-12**

Rest API

* X-MBX-USED-WEIGHT header added to Rest API responses.
* Retry-After header added to Rest API 418 and 429 responses.
* When canceling the Rest API can now return errorCode -1013 OR -2011 if the symbol's status isn't TRADING.
* api/v1/depth no longer has the ignored and empty [].
* api/v3/myTrades now returns quoteQty; the price \* qty of for the trade.

Websocket streams

* <symbol>@depth and <symbol>@depthX streams no longer have the ignored and empty [].

System improvements

* Matching Engine stability/reliability improvements.
* Rest API performance improvements.

**2018-11-13**

Rest API

* Can now cancel orders through the Rest API during a trading ban.
* New filters: PERCENT\_PRICE, MARKET\_LOT\_SIZE, MAX\_NUM\_ICEBERG\_ORDERS.
* Added RAW\_REQUESTS rate limit. Limits based on the number of requests over X minutes regardless of weight.
* /api/v3/ticker/price increased to weight of 2 for a no symbol query.
* /api/v3/ticker/bookTicker increased weight of 2 for a no symbol query.
* DELETE /api/v3/order will now return an execution report of the final state of the order.
* MIN\_NOTIONAL filter has two new parameters: applyToMarket (whether or not the filter is applied to MARKET orders) and avgPriceMins (the number of minutes over which the price averaged for the notional estimation).
* intervalNum added to /api/v1/exchangeInfo limits. intervalNum describes the amount of the interval. For example: intervalNum 5, with interval minute, means "every 5 minutes".

Explanation for the average price calculation:

1. (qty \* price) of all trades / sum of qty of all trades over previous 5 minutes.
2. If there is no trade in the last 5 minutes, it takes the first trade that happened outside of the 5min window. For example if the last trade was 20 minutes ago, that trade's price is the 5 min average.
3. If there is no trade on the symbol, there is no average price and market orders cannot be placed. On a new symbol with applyToMarket enabled on the MIN\_NOTIONAL filter, market orders cannot be placed until there is at least 1 trade.
4. The current average price can be checked here: https://api.binance.com/api/v3/avgPrice?symbol=<symbol> For example: https://api.binance.com/api/v3/avgPrice?symbol=BNBUSDT

User data stream

* Last quote asset transacted quantity (as variable Y) added to execution reports. Represents the lastPrice \* lastQty (L \* l).

**2018-07-18**

Rest API

* New filter: ICEBERG\_PARTS
* POST api/v3/order new defaults for newOrderRespType. ACK, RESULT, or FULL; MARKET and LIMIT order types default to FULL, all other orders default to ACK.
* POST api/v3/order RESULT and FULL responses now have cummulativeQuoteQty
* GET api/v3/openOrders with no symbol weight reduced to 40.
* GET api/v3/ticker/24hr with no symbol weight reduced to 40.
* Max amount of trades from GET /api/v1/trades increased to 1000.
* Max amount of trades from GET /api/v1/historicalTrades increased to 1000.
* Max amount of aggregate trades from GET /api/v1/aggTrades increased to 1000.
* Max amount of aggregate trades from GET /api/v1/klines increased to 1000.
* Rest API Order lookups now return updateTime which represents the last time the order was updated; time is the order creation time.
* Order lookup endpoints will now return cummulativeQuoteQty. If cummulativeQuoteQty is < 0, it means the data isn't available for this order at this time.
* REQUESTS rate limit type changed to REQUEST\_WEIGHT. This limit was always logically request weight and the previous name for it caused confusion.

User data stream

* cummulativeQuoteQty field added to order responses and execution reports (as variable Z). Represents the cummulative amount of the quote that has been spent (with a BUY order) or received (with a SELL order). Historical orders will have a value < 0 in this field indicating the data is not available at this time. cummulativeQuoteQty divided by cummulativeQty will give the average price for an order.
* O (order creation time) added to execution reports

**2018-01-23**

* GET /api/v1/historicalTrades weight decreased to 5
* GET /api/v1/aggTrades weight decreased to 1
* GET /api/v1/klines weight decreased to 1
* GET /api/v1/ticker/24hr all symbols weight decreased to number of trading symbols / 2
* GET /api/v3/allOrders weight decreased to 5
* GET /api/v3/myTrades weight decreased to 5
* GET /api/v3/account weight decreased to 5
* GET /api/v1/depth limit=500 weight decreased to 5
* GET /api/v1/depth limit=1000 weight decreased to 10
* -1003 error message updated to direct users to websockets

**2018-01-20**

* GET /api/v1/ticker/24hr single symbol weight decreased to 1
* GET /api/v3/openOrders all symbols weight decreased to number of trading symbols / 2
* GET /api/v3/allOrders weight decreased to 15
* GET /api/v3/myTrades weight decreased to 15
* GET /api/v3/order weight decreased to 1
* myTrades will now return both sides of a self-trade/wash-trade

**2018-01-14**

* GET /api/v1/aggTrades weight changed to 2
* GET /api/v1/klines weight changed to 2
* GET /api/v3/order weight changed to 2
* GET /api/v3/allOrders weight changed to 20
* GET /api/v3/account weight changed to 20
* GET /api/v3/myTrades weight changed to 20
* GET /api/v3/historicalTrades weight changed to 20

# Introduction

## API Key Setup

* Some endpoints will require an API Key. Please refer to [this page](https://www.binance.com/en/support/faq/how-to-create-api-keys-on-binance-360002502072) regarding API key creation.
* Once API key is created, it is recommended to set IP restrictions on the key for security reasons.
* **Never share your API key/secret key to ANYONE.**

If the API keys were accidentally shared, please delete them immediately and create a new key.

## API Key Restrictions

* After creating the API key, the default restrictions is Enable Reading.
* To **enable withdrawals via the API**, the API key restriction needs to be modified through the Binance UI.

## Enabling Accounts

### Spot Account

A SPOT account is provided by default upon creation of a Binance Account.

### Margin Account

To enable a MARGIN account for Margin Trading, please refer to the [Margin Trading Guide](https://www.binance.vision/tutorials/binance-margin-trading-guide)

### Spot Testnet

Users can use the SPOT Testnet to practice SPOT trading.

Currently, this is only available via the API.

Please refer to the [SPOT Testnet page](https://testnet.binance.vision/) for more information and how to set up the Testnet API key.

## API Library

### Connectors

The following are lightweight libraries that work as connectors to the Binance public API, written in different languages:

* Python <https://github.com/binance/binance-connector-python>
* Node.js <https://github.com/binance/binance-connector-node>
* Ruby <https://github.com/binance/binance-connector-ruby>
* DotNET C# <https://github.com/binance/binance-connector-dotnet>
* Java <https://github.com/binance/binance-connector-java>
* Rust <https://github.com/binance/binance-spot-connector-rust>
* PHP <https://github.com/binance/binance-connector-php>
* Go <https://github.com/binance/binance-connector-go>
* Typescript <https://github.com/binance/binance-connector-typescript>

### Postman Collections

Postman collections are available, and they are recommended for new users seeking a quick and easy start with the API.

<https://github.com/binance/binance-api-postman>

### Swagger

A YAML file with OpenAPI specification for the RESTful API is available, along with a Swagger UI page for reference.

<https://github.com/binance/binance-api-swagger>

## Contact Us

* [Binance API Telegram Group](https://t.me/binance_api_english)
  + For any questions in sudden drop in performance with the API and/or Websockets.
  + For any general questions about the API not covered in the documentation.
* [Binance Developers](https://dev.binance.vision/)
  + For any questions on your code implementation with the API and/or Websockets.
* [Binance Customer Support](https://www.binance.com/en/support-center)
  + For cases such as missing funds, help with 2FA, etc.

# General Info

## General API Information

* The following base endpoints are available:
  + **https://api.binance.com**
  + **https://api-gcp.binance.com**
  + **https://api1.binance.com**
  + **https://api2.binance.com**
  + **https://api3.binance.com**
  + **https://api4.binance.com**
* The last 4 endpoints in the point above (api1-api4) might give better performance but have less stability. Please use whichever works best for your setup.
* All endpoints return either a JSON object or array.
* Data is returned in **ascending** order. Oldest first, newest last.
* All time and timestamp related fields are in **milliseconds**.
* The base endpoint **https://data-api.binance.vision** can be used to access the following API endpoints that have NONE as security type:
  + [GET /api/v3/aggTrades](https://binance-docs.github.io/apidocs/spot/en/#compressed-aggregate-trades-list)
  + [GET /api/v3/avgPrice](https://binance-docs.github.io/apidocs/spot/en/#current-average-price)
  + [GET /api/v3/depth](https://binance-docs.github.io/apidocs/spot/en/#order-book)
  + [GET /api/v3/exchangeInfo](https://binance-docs.github.io/apidocs/spot/en/#exchange-information)
  + [GET /api/v3/klines](https://binance-docs.github.io/apidocs/spot/en/#kline-candlestick-data)
  + [GET /api/v3/ping](https://binance-docs.github.io/apidocs/spot/en/#test-connectivity)
  + [GET /api/v3/ticker](https://binance-docs.github.io/apidocs/spot/en/#rolling-window-price-change-statistics)
  + [GET /api/v3/ticker/24hr](https://binance-docs.github.io/apidocs/spot/en/#24hr-ticker-price-change-statistics)
  + [GET /api/v3/ticker/bookTicker](https://binance-docs.github.io/apidocs/spot/en/#symbol-order-book-ticker)
  + [GET /api/v3/ticker/price](https://binance-docs.github.io/apidocs/spot/en/#symbol-price-ticker)
  + [GET /api/v3/time](https://binance-docs.github.io/apidocs/spot/en/#check-server-time)
  + [GET /api/v3/trades](https://binance-docs.github.io/apidocs/spot/en/#recent-trades-list)
  + [GET /api/v3/uiKlines](https://binance-docs.github.io/apidocs/spot/en/#uiklines)

### HTTP Return Codes

* HTTP 4XX return codes are used for malformed requests; the issue is on the sender's side.
* HTTP 403 return code is used when the WAF Limit (Web Application Firewall) has been violated.
* HTTP 409 return code is used when a cancelReplace order partially succeeds. (e.g. if the cancellation of the order fails but the new order placement succeeds.)
* HTTP 429 return code is used when breaking a request rate limit.
* HTTP 418 return code is used when an IP has been auto-banned for continuing to send requests after receiving 429 codes.
* HTTP 5XX return codes are used for internal errors; the issue is on Binance's side. It is important to **NOT** treat this as a failure operation; the execution status is **UNKNOWN** and could have been a success.

### Error Codes and Messages

* If there is an error, the API will return an error with a message of the reason.

The error payload on API and SAPI is as follows:

{

"code": -1121,

"msg": "Invalid symbol."

}

* Specific error codes and messages defined in [Error Codes](https://binance-docs.github.io/apidocs/spot/en/#error-codes).

### General Information on Endpoints

* For GET endpoints, parameters must be sent as a query string.
* For POST, PUT, and DELETE endpoints, the parameters may be sent as a query string or in the request body with content type application/x-www-form-urlencoded. You may mix parameters between both the query string and request body if you wish to do so.
* Parameters may be sent in any order.
* If a parameter sent in both the query string and request body, the query string parameter will be used.

## LIMITS

### General Info on Limits

* The following intervalLetter values for headers:
  + SECOND => S
  + MINUTE => M
  + HOUR => H
  + DAY => D
* intervalNum describes the amount of the interval. For example, intervalNum 5 with intervalLetter M means "Every 5 minutes".
* The /api/v3/exchangeInfo rateLimits array contains objects related to the exchange's RAW\_REQUESTS, REQUEST\_WEIGHT, and ORDERS rate limits. These are further defined in the ENUM definitions section under Rate limiters (rateLimitType).
* A 429 will be returned when either request rate limit or order rate limit is violated.

### IP Limits

* Every request will contain X-MBX-USED-WEIGHT-(intervalNum)(intervalLetter) in the response headers which has the current used weight for the IP for all request rate limiters defined.
* Each route has a weight which determines for the number of requests each endpoint counts for. Heavier endpoints and endpoints that do operations on multiple symbols will have a heavier weight.
* When a 429 is received, it's your obligation as an API to back off and not spam the API.
* **Repeatedly violating rate limits and/or failing to back off after receiving 429s will result in an automated IP ban (HTTP status 418).**
* IP bans are tracked and **scale in duration** for repeat offenders, **from 2 minutes to 3 days**.
* A Retry-After header is sent with a 418 or 429 responses and will give the **number of seconds** required to wait, in the case of a 429, to prevent a ban, or, in the case of a 418, until the ban is over.
* **The limits on the API are based on the IPs, not the API keys.**

We recommend using the websocket for getting data as much as possible, as this will not count to the request rate limit.

### Unfilled Order Count

* Every successful order response will contain a X-MBX-ORDER-COUNT-(intervalNum)(intervalLetter) header indicating how many orders you have placed for that interval.   
    
  To monitor this, refer to [GET api/v3/rateLimit/order](https://binance-docs.github.io/apidocs/spot/en/#query-unfilled-order-count).
* Rejected/unsuccessful orders are not guaranteed to have X-MBX-ORDER-COUNT-\*\* headers in the response.
* If you have exceeded this, you will receive a 429 error without the Retry-After header.
* **Please note that if your orders are consistently filled by trades, you can continuously place orders on the API**. For more information, please see [Spot Unfilled Order Count Rules](https://github.com/binance/binance-spot-api-docs/blob/master/faqs/order_count_decrement.md).
* **The number of unfilled orders is tracked for each account.**

### Websocket Limits

* WebSocket connections have a limit of 5 incoming messages per second. A message is considered:
  + A PING frame
  + A PONG frame
  + A JSON controlled message (e.g. subscribe, unsubscribe)
* A connection that goes beyond the limit will be disconnected; IPs that are repeatedly disconnected may be banned.
* A single connection can listen to a maximum of 1024 streams.
* There is a limit of **300 connections per attempt every 5 minutes per IP**.

### /api/ and /sapi/ Limit Introduction

The /api/\* and /sapi/\* endpoints adopt either of two access limiting rules, IP limits or UID (account) limits.

* Endpoints related to /api/\*:
  + According to the two modes of IP and UID (account) limit, each are independent.
  + Endpoints share the 6,000 per minute limit based on IP.
  + Responses contain the header X-MBX-USED-WEIGHT-(intervalNum)(intervalLetter), defining the weight used by the current IP.
  + Successful order responses contain the header X-MBX-ORDER-COUNT-(intervalNum)(intervalLetter), defining the order limit used by the UID.
* Endpoints related to /sapi/\*:
  + Endpoints are marked according to IP or UID limit and their corresponding weight value.
  + Each endpoint with IP limits has an independent 12000 per minute limit, or per second limit if specified explicitly
  + Each endpoint with UID limits has an independent 180000 per minute limit, or per second limit if specified explicitly
  + Responses from endpoints with IP limits contain the header X-SAPI-USED-IP-WEIGHT-1M or X-SAPI-USED-IP-WEIGHT-1S, defining the weight used by the current IP.
  + Responses from endpoints with UID limits contain the header X-SAPI-USED-UID-WEIGHT-1M or X-SAPI-USED-UID-WEIGHT-1S, defining the weight used by the current UID.

## Data Sources

* The API system is asynchronous, so some delay in the response is normal and expected.
* Each endpoint has a data source indicating where the data is being retrieved, and thus which endpoints have the most up-to-date response.

These are the three sources, ordered by which is has the most up-to-date response to the one with potential delays in updates.

* **Matching Engine** - the data is from the matching Engine
* **Memory** - the data is from a server's local or external memory
* **Database** - the data is taken directly from a database

Some endpoints can have more than 1 data source. (e.g. Memory => Database)   
  
This means that the endpoint will check the first Data Source, and if it cannot find the value it's looking for it will check the next one.

## Endpoint security type

* Each endpoint has a security type that determines how you will interact with it. This is stated next to the NAME of the endpoint.
  + If no security type is stated, assume the security type is NONE.
* API-keys are passed into the REST API via the X-MBX-APIKEY header.
* API-keys and secret-keys **are case sensitive**.
* API-keys can be configured to only access certain types of secure endpoints. For example, one API-key could be used for TRADE only, while another API-key can access everything except for TRADE routes.
* By default, API-keys can access all secure routes.

| **Security Type** | **Description** |
| --- | --- |
| NONE | Endpoint can be accessed freely. |
| TRADE | Endpoint requires sending a valid API-Key and signature. |
| MARGIN | Endpoint requires sending a valid API-Key and signature. |
| USER\_DATA | Endpoint requires sending a valid API-Key and signature. |
| USER\_STREAM | Endpoint requires sending a valid API-Key. |
| MARKET\_DATA | Endpoint requires sending a valid API-Key. |

* TRADE, MARGIN and USER\_DATA endpoints are SIGNED endpoints.

## SIGNED (TRADE, USER\_DATA, AND MARGIN) Endpoint security

* SIGNED endpoints require an additional parameter, signature, to be sent in the query string or request body.
* The signature is **not case sensitive**.
* Please consult the examples on how to compute the signature, depending on which API key you are using. (e.g. HMAC, RSA, Ed25519)

### Timing security

* A SIGNED endpoint also requires a parameter, timestamp, to be sent which should be the millisecond timestamp of when the request was created and sent.
* An additional parameter, recvWindow, may be sent to specify the number of milliseconds after timestamp the request is valid for. If recvWindow is not sent, **it defaults to 5000**.

The logic is as follows:

if (timestamp < (serverTime + 1000) && (serverTime - timestamp) <= recvWindow)

{

// process request

}

else

{

// reject request

}

**Serious trading is about timing.** Networks can be unstable and unreliable, which can lead to requests taking varying amounts of time to reach the servers. With recvWindow, you can specify that the request must be processed within a certain number of milliseconds or be rejected by the server.

It is recommended to use a small recvWindow of 5000 or less! The max cannot go beyond 60,000!

### SIGNED Endpoint Examples for POST /api/v3/order - HMAC Keys

Here is a step-by-step example of how to send a vaild signed payload from the Linux command line using echo, openssl, and curl.

| **Key** | **Value** |
| --- | --- |
| apiKey | vmPUZE6mv9SD5VNHk4HlWFsOr6aKE2zvsw0MuIgwCIPy6utIco14y7Ju91duEh8A |
| secretKey | NhqPtmdSJYdKjVHjA7PZj4Mge3R5YNiP1e3UZjInClVN65XAbvqqM6A7H5fATj0j |

| **Parameter** | **Value** |
| --- | --- |
| symbol | LTCBTC |
| side | BUY |
| type | LIMIT |
| timeInForce | GTC |
| quantity | 1 |
| price | 0.1 |
| recvWindow | 5000 |
| timestamp | 1499827319559 |

**Example 1: As a request body**

**Example 1**

**HMAC SHA256 signature:**

$ echo -n "symbol=LTCBTC&side=BUY&type=LIMIT&timeInForce=GTC&quantity=1&price=0.1&recvWindow=5000&timestamp=1499827319559" | openssl dgst -sha256 -hmac "NhqPtmdSJYdKjVHjA7PZj4Mge3R5YNiP1e3UZjInClVN65XAbvqqM6A7H5fATj0j"

(stdin)= c8db56825ae71d6d79447849e617115f4a920fa2acdcab2b053c4b2838bd6b71

**curl command:**

(HMAC SHA256)

$ curl -H "X-MBX-APIKEY: vmPUZE6mv9SD5VNHk4HlWFsOr6aKE2zvsw0MuIgwCIPy6utIco14y7Ju91duEh8A" -X POST 'https://api.binance.com/api/v3/order' -d 'symbol=LTCBTC&side=BUY&type=LIMIT&timeInForce=GTC&quantity=1&price=0.1&recvWindow=5000&timestamp=1499827319559&signature=c8db56825ae71d6d79447849e617115f4a920fa2acdcab2b053c4b2838bd6b71'

* **requestBody:**

symbol=LTCBTC  
&side=BUY  
&type=LIMIT  
&timeInForce=GTC  
&quantity=1  
&price=0.1  
&recvWindow=5000  
&timestamp=1499827319559

**Example 2: As a query string**

**Example 2**

**HMAC SHA256 signature:**

$ echo -n "symbol=LTCBTC&side=BUY&type=LIMIT&timeInForce=GTC&quantity=1&price=0.1&recvWindow=5000&timestamp=1499827319559" | openssl dgst -sha256 -hmac "NhqPtmdSJYdKjVHjA7PZj4Mge3R5YNiP1e3UZjInClVN65XAbvqqM6A7H5fATj0j"

(stdin)= c8db56825ae71d6d79447849e617115f4a920fa2acdcab2b053c4b2838bd6b71

**curl command:**

(HMAC SHA256)

$ curl -H "X-MBX-APIKEY: vmPUZE6mv9SD5VNHk4HlWFsOr6aKE2zvsw0MuIgwCIPy6utIco14y7Ju91duEh8A" -X POST 'https://api.binance.com/api/v3/order?symbol=LTCBTC&side=BUY&type=LIMIT&timeInForce=GTC&quantity=1&price=0.1&recvWindow=5000&timestamp=1499827319559&signature=c8db56825ae71d6d79447849e617115f4a920fa2acdcab2b053c4b2838bd6b71'

* **queryString:**

symbol=LTCBTC  
&side=BUY  
&type=LIMIT  
&timeInForce=GTC  
&quantity=1  
&price=0.1  
&recvWindow=5000  
&timestamp=1499827319559

**Example 3: Mixed query string and request body**

**Example 3**

**HMAC SHA256 signature:**

$ echo -n "symbol=LTCBTC&side=BUY&type=LIMIT&timeInForce=GTCquantity=1&price=0.1&recvWindow=5000&timestamp=1499827319559" | openssl dgst -sha256 -hmac "NhqPtmdSJYdKjVHjA7PZj4Mge3R5YNiP1e3UZjInClVN65XAbvqqM6A7H5fATj0j"

(stdin)= 0fd168b8ddb4876a0358a8d14d0c9f3da0e9b20c5d52b2a00fcf7d1c602f9a77

**curl command:**

(HMAC SHA256)

$ curl -H "X-MBX-APIKEY: vmPUZE6mv9SD5VNHk4HlWFsOr6aKE2zvsw0MuIgwCIPy6utIco14y7Ju91duEh8A" -X POST 'https://api.binance.com/api/v3/order?symbol=LTCBTC&side=BUY&type=LIMIT&timeInForce=GTC' -d 'quantity=1&price=0.1&recvWindow=5000&timestamp=1499827319559&signature=0fd168b8ddb4876a0358a8d14d0c9f3da0e9b20c5d52b2a00fcf7d1c602f9a77'

* **queryString:**

symbol=LTCBTC&side=BUY&type=LIMIT&timeInForce=GTC

* **requestBody:**

quantity=1&price=0.1&recvWindow=5000&timestamp=1499827319559

Note that the signature is different in example 3. There is no & between "GTC" and "quantity=1".

### SIGNED Endpoint Example for POST /api/v3/order - RSA Keys

* This will be a step by step process how to create the signature payload to send a valid signed payload.
* We support PKCS#8 currently.
* To get your API key, you need to upload your RSA Public Key to your account and a corresponding API key will be provided for you.

For this example, the private key will be referenced as test-prv-key.pem

| **Key** | **Value** |
| --- | --- |
| apiKey | CAvIjXy3F44yW6Pou5k8Dy1swsYDWJZLeoK2r8G4cFDnE9nosRppc2eKc1T8TRTQ |

| **Parameter** | **Value** |
| --- | --- |
| symbol | BTCUSDT |
| side | SELL |
| type | LIMIT |
| timeInForce | GTC |
| quantity | 1 |
| price | 0.2 |
| recvWindow | 5000 |
| timestamp | 1668481559918 |

**Signature payload (with the listed parameters):**

symbol=BTCUSDT&side=SELL&type=LIMIT&timeInForce=GTC&quantity=1&price=0.2&timestamp=1668481559918&recvWindow=5000

**Step 1: Construct the payload**

Arrange the list of parameters into a string. Separate each parameter with a &.

**Step 2: Compute the signature:**

2.1 - Encode signature payload as ASCII data.

**Step 2.2**

$ echo -n 'symbol=BTCUSDT&side=SELL&type=LIMIT&timeInForce=GTC&quantity=1&price=0.2&timestamp=1668481559918&recvWindow=5000' | openssl dgst -sha256 -sign ./test-prv-key.pem

2.2 - Sign payload using RSASSA-PKCS1-v1\_5 algorithm with SHA-256 hash function.

**Step 2.3**

$ echo -n 'symbol=BTCUSDT&side=SELL&type=LIMIT&timeInForce=GTC&quantity=1&price=0.2&timestamp=1668481559918&recvWindow=5000' | openssl dgst -sha256 -sign ./test-prv-key.pem | openssl enc -base64 -A

HZ8HOjiJ1s/igS9JA+n7+7Ti/ihtkRF5BIWcPIEluJP6tlbFM/Bf44LfZka/iemtahZAZzcO9TnI5uaXh3++lrqtNonCwp6/245UFWkiW1elpgtVAmJPbogcAv6rSlokztAfWk296ZJXzRDYAtzGH0gq7CgSJKfH+XxaCmR0WcvlKjNQnp12/eKXJYO4tDap8UCBLuyxDnR7oJKLHQHJLP0r0EAVOOSIbrFang/1WOq+Jaq4Efc4XpnTgnwlBbWTmhWDR1pvS9iVEzcSYLHT/fNnMRxFc7u+j3qI//5yuGuu14KR0MuQKKCSpViieD+fIti46sxPTsjSemoUKp0oXA==

2.3 - Encode output as base64 string.

**Step 2.4**

HZ8HOjiJ1s%2FigS9JA%2Bn7%2B7Ti%2FihtkRF5BIWcPIEluJP6tlbFM%2FBf44LfZka%2FiemtahZAZzcO9TnI5uaXh3%2B%2BlrqtNonCwp6%2F245UFWkiW1elpgtVAmJPbogcAv6rSlokztAfWk296ZJXzRDYAtzGH0gq7CgSJKfH%2BXxaCmR0WcvlKjNQnp12%2FeKXJYO4tDap8UCBLuyxDnR7oJKLHQHJLP0r0EAVOOSIbrFang%2F1WOq%2BJaq4Efc4XpnTgnwlBbWTmhWDR1pvS9iVEzcSYLHT%2FfNnMRxFc7u%2Bj3qI%2F%2F5yuGuu14KR0MuQKKCSpViieD%2BfIti46sxPTsjSemoUKp0oXA%3D%3D

2.4 - Since the signature may contain / and =, this could cause issues with sending the request. So the signature has to be URL encoded.

**Step 2.5**

curl -H "X-MBX-APIKEY: CAvIjXy3F44yW6Pou5k8Dy1swsYDWJZLeoK2r8G4cFDnE9nosRppc2eKc1T8TRTQ" -X POST 'https://api.binance.com/api/v3/order?symbol=BTCUSDT&side=SELL&type=LIMIT&timeInForce=GTC&quantity=1&price=0.2&timestamp=1668481559918recvWindow=5000&signature=HZ8HOjiJ1s%2FigS9JA%2Bn7%2B7Ti%2FihtkRF5BIWcPIEluJP6tlbFM%2FBf44LfZka%2FiemtahZAZzcO9TnI5uaXh3%2B%2BlrqtNonCwp6%2F245UFWkiW1elpgtVAmJPbogcAv6rSlokztAfWk296ZJXzRDYAtzGH0gq7CgSJKfH%2BXxaCmR0WcvlKjNQnp12%2FeKXJYO4tDap8UCBLuyxDnR7oJKLHQHJLP0r0EAVOOSIbrFang%2F1WOq%2BJaq4Efc4XpnTgnwlBbWTmhWDR1pvS9iVEzcSYLHT%2FfNnMRxFc7u%2Bj3qI%2F%2F5yuGuu14KR0MuQKKCSpViieD%2BfIti46sxPTsjSemoUKp0oXA%3D%3D'

2.5 - curl command

**Bash script**

#!/usr/bin/env bash

# Set up authentication:

API\_KEY="put your own API Key here"

PRIVATE\_KEY\_PATH="test-prv-key.pem"

# Set up the request:

API\_METHOD="POST"

API\_CALL="api/v3/order"

API\_PARAMS="symbol=BTCUSDT&side=SELL&type=LIMIT&timeInForce=GTC&quantity=1&price=0.2"

# Sign the request:

timestamp=$(date +%s000)

api\_params\_with\_timestamp="$API\_PARAMS&timestamp=$timestamp"

signature=$(echo -n "$api\_params\_with\_timestamp" \

| openssl dgst -sha256 -sign "$PRIVATE\_KEY\_PATH" \

| openssl enc -base64 -A)

# Send the request:

curl -H "X-MBX-APIKEY: $API\_KEY" -X "$API\_METHOD" \

"https://api.binance.com/$API\_CALL?$api\_params\_with\_timestamp" \

--data-urlencode "signature=$signature"

A sample Bash script containing similar steps is available in the right side.

## SIGNED Endpoint Examples for POST /api/v3/order - Ed25519 Keys

Note: It is highly recommended to use Ed25519 API keys as it should provide the best performance and security out of all supported key types.

| **Parameter** | **Value** |
| --- | --- |
| symbol | BTCUSDT |
| side | SELL |
| type | LIMIT |
| timeInForce | GTC |
| quantity | 1 |
| price | 0.2 |
| timestamp | 1668481559918 |

**Python script**

#!/usr/bin/env python3

import base64

import requests

import time

from cryptography.hazmat.primitives.serialization import load\_pem\_private\_key

# Set up authentication

API\_KEY='put your own API Key here'

PRIVATE\_KEY\_PATH='test-prv-key.pem'

# Load the private key.

# In this example the key is expected to be stored without encryption,

# but we recommend using a strong password for improved security.

with open(PRIVATE\_KEY\_PATH, 'rb') as f:

private\_key = load\_pem\_private\_key(data=f.read(),

password=None)

# Set up the request parameters

params = {

'symbol': 'BTCUSDT',

'side': 'SELL',

'type': 'LIMIT',

'timeInForce': 'GTC',

'quantity': '1.0000000',

'price': '0.20',

}

# Timestamp the request

timestamp = int(time.time() \* 1000) # UNIX timestamp in milliseconds

params['timestamp'] = timestamp

# Sign the request

payload = '&'.join([f'{param}={value}' for param, value in params.items()])

signature = base64.b64encode(private\_key.sign(payload.encode('ASCII')))

params['signature'] = signature

# Send the request

headers = {

'X-MBX-APIKEY': API\_KEY,

}

response = requests.post(

'https://api.binance.com/api/v3/order',

headers=headers,

data=params,

)

print(response.json())

A sample code in Python to show how to sign the payload with an Ed25519 key is available on the right side.

## Public API Definitions

### Terminology

These terms will be used throughout the documentation, so it is recommended especially for new users to read to help their understanding of the API.

* base asset refers to the asset that is the quantity of a symbol. For the symbol BTCUSDT, BTC would be the base asset.
* quote asset refers to the asset that is the price of a symbol. For the symbol BTCUSDT, USDT would be the quote asset.

### ENUM definitions

**Symbol status (status):**

* PRE\_TRADING
* TRADING
* POST\_TRADING
* END\_OF\_DAY
* HALT
* AUCTION\_MATCH
* BREAK

**Account and Symbol Permissions (permissions):**

* SPOT
* MARGIN
* TRD\_GRP\_002
* TRD\_GRP\_003
* TRD\_GRP\_004
* TRD\_GRP\_005
* TRD\_GRP\_006
* TRD\_GRP\_007
* TRD\_GRP\_008
* TRD\_GRP\_009
* TRD\_GRP\_010
* TRD\_GRP\_011
* TRD\_GRP\_012
* TRD\_GRP\_013
* TRD\_GRP\_014
* TRD\_GRP\_015
* TRD\_GRP\_016
* TRD\_GRP\_017
* TRD\_GRP\_018
* TRD\_GRP\_019
* TRD\_GRP\_020
* TRD\_GRP\_021
* TRD\_GRP\_022
* TRD\_GRP\_023
* TRD\_GRP\_024
* TRD\_GRP\_025

**Order status (status):**

| **Status** | **Description** |
| --- | --- |
| NEW | The order has been accepted by the engine. |
| PARTIALLY\_FILLED | A part of the order has been filled. |
| FILLED | The order has been completed. |
| CANCELED | The order has been canceled by the user. |
| PENDING\_CANCEL | Currently unused |
| REJECTED | The order was not accepted by the engine and not processed. |
| EXPIRED | The order was canceled according to the order type's rules (e.g. LIMIT FOK orders with no fill, LIMIT IOC or MARKET orders that partially fill) or by the exchange, (e.g. orders canceled during liquidation, orders canceled during maintenance) |
| EXPIRED\_IN\_MATCH | The order was canceled by the exchange due to STP trigger. (e.g. an order with EXPIRE\_TAKER will match with existing orders on the book with the same account or same tradeGroupId) |

**Order list Status (listStatusType):**

| **Status** | **Description** |
| --- | --- |
| RESPONSE | This is used when the ListStatus is responding to a failed action. (E.g. order list placement or cancellation) |
| EXEC\_STARTED | The order list has been placed or there is an update to the order list status. |
| ALL\_DONE | The order list has finished executing and thus no longer active. |

**Order list Order Status (listOrderStatus):**

| **Status** | **Description** |
| --- | --- |
| EXECUTING | Either an order list has been placed or there is an update to the status of the list. |
| ALL\_DONE | An order list has completed execution and thus no longer active. |
| REJECT | The List Status is responding to a failed action either during order placement or order canceled.) |

**ContingencyType**

* OCO
* OTO

**AllocationType**

* SOR

**WorkingFloor**

* EXCHANGE
* SOR

**Order types (orderTypes, type):**

* LIMIT
* MARKET
* STOP\_LOSS
* STOP\_LOSS\_LIMIT
* TAKE\_PROFIT
* TAKE\_PROFIT\_LIMIT
* LIMIT\_MAKER

**Order Response Type (newOrderRespType):**

* ACK
* RESULT
* FULL

**Order side (side):**

* BUY
* SELL

**Time in force (timeInForce):**

This sets how long an order will be active before expiration.

| **Status** | **Description** |
| --- | --- |
| GTC | Good Til Canceled   An order will be on the book unless the order is canceled. |
| IOC | Immediate Or Cancel   An order will try to fill the order as much as it can before the order expires. |
| FOK | Fill or Kill   An order will expire if the full order cannot be filled upon execution. |

**Kline/Candlestick chart intervals:**

s-> seconds; m -> minutes; h -> hours; d -> days; w -> weeks; M -> months

* 1s
* 1m
* 3m
* 5m
* 15m
* 30m
* 1h
* 2h
* 4h
* 6h
* 8h
* 12h
* 1d
* 3d
* 1w
* 1M

**Rate limiters (rateLimitType)**

REQUEST\_WEIGHT

{

"rateLimitType": "REQUEST\_WEIGHT",

"interval": "MINUTE",

"intervalNum": 1,

"limit": 6000

}

ORDERS

{

"rateLimitType": "ORDERS",

"interval": "SECOND",

"intervalNum": 10,

"limit": 100

},

{

"rateLimitType": "ORDERS",

"interval": "DAY",

"intervalNum": 1,

"limit": 200000

}

RAW\_REQUESTS

{

"rateLimitType": "RAW\_REQUESTS",

"interval": "MINUTE",

"intervalNum": 5,

"limit": 5000

}

* REQUEST\_WEIGHT
* ORDERS
* RAW\_REQUESTS

**Rate limit intervals (interval)**

* SECOND
* MINUTE
* DAY

**STP Modes**

* NONE
* EXPIRE\_MAKER
* EXPIRE\_TAKER
* EXPIRE\_BOTH

## Filters

Filters define trading rules on a symbol or an exchange. Filters come in two forms: symbol filters and exchange filters.

### Symbol Filters

#### PRICE\_FILTER

**ExchangeInfo format:**

{

"filterType": "PRICE\_FILTER",

"minPrice": "0.00000100",

"maxPrice": "100000.00000000",

"tickSize": "0.00000100"

}

The PRICE\_FILTER defines the price rules for a symbol. There are 3 parts:

* minPrice defines the minimum price/stopPrice allowed; disabled on minPrice == 0.
* maxPrice defines the maximum price/stopPrice allowed; disabled on maxPrice == 0.
* tickSize defines the intervals that a price/stopPrice can be increased/decreased by; disabled on tickSize == 0.

Any of the above variables can be set to 0, which disables that rule in the price filter. In order to pass the price filter, the following must be true for price/stopPrice of the enabled rules:

* price >= minPrice
* price <= maxPrice
* price % tickSize == 0

#### PERCENT\_PRICE

**ExchangeInfo format:**

{

"filterType": "PERCENT\_PRICE",

"multiplierUp": "1.3000",

"multiplierDown": "0.7000",

"avgPriceMins": 5

}

The PERCENT\_PRICE filter defines the valid range for the price based on the average of the previous trades. avgPriceMins is the number of minutes the average price is calculated over. 0 means the last price is used.

In order to pass the percent price, the following must be true for price:

* price <= weightedAveragePrice \* multiplierUp
* price >= weightedAveragePrice \* multiplierDown

#### PERCENT\_PRICE\_BY\_SIDE

**ExchangeInfo format:**

{

"filterType": "PERCENT\_PRICE\_BY\_SIDE",

"bidMultiplierUp": "1.2",

"bidMultiplierDown": "0.2",

"askMultiplierUp": "5",

"askMultiplierDown": "0.8",

"avgPriceMins": 1

}

The PERCENT\_PRICE\_BY\_SIDE filter defines the valid range for the price based on the average of the previous trades.  
  
avgPriceMins is the number of minutes the average price is calculated over. 0 means the last price is used.

There is a different range depending on whether the order is placed on the BUY side or the SELL side.

Buy orders will succeed on this filter if:

* Order price <= weightedAveragePrice \* bidMultiplierUp
* Order price >= weightedAveragePrice \* bidMultiplierDown

Sell orders will succeed on this filter if:

* Order Price <= weightedAveragePrice \* askMultiplierUp
* Order Price >= weightedAveragePrice \* askMultiplierDown

#### LOT\_SIZE

**ExchangeInfo format:**

{

"filterType": "LOT\_SIZE",

"minQty": "0.00100000",

"maxQty": "100000.00000000",

"stepSize": "0.00100000"

}

The LOT\_SIZE filter defines the quantity (aka "lots" in auction terms) rules for a symbol. There are 3 parts:

* minQty defines the minimum quantity/icebergQty allowed.
* maxQty defines the maximum quantity/icebergQty allowed.
* stepSize defines the intervals that a quantity/icebergQty can be increased/decreased by.

In order to pass the lot size, the following must be true for quantity/icebergQty:

* quantity >= minQty
* quantity <= maxQty
* quantity % stepSize == 0

#### MIN\_NOTIONAL

**ExchangeInfo format:**

{

"filterType": "MIN\_NOTIONAL",

"minNotional": "0.00100000",

"applyToMarket": true,

"avgPriceMins": 5

}

The MIN\_NOTIONAL filter defines the minimum notional value allowed for an order on a symbol. An order's notional value is the price \* quantity. If the order is an Algo order (e.g. STOP\_LOSS\_LIMIT), then the notional value of the stopPrice \* quantity will also be evaluated. If the order is an Iceberg Order, then the notional value of the price \* icebergQty will also be evaluated. applyToMarket determines whether or not the MIN\_NOTIONAL filter will also be applied to MARKET orders. Since MARKET orders have no price, the average price is used over the last avgPriceMins minutes. avgPriceMins is the number of minutes the average price is calculated over. 0 means the last price is used.

#### NOTIONAL

**ExchangeInfo format:**

{

"filterType": "NOTIONAL",

"minNotional": "10.00000000",

"applyMinToMarket": false,

"maxNotional": "10000.00000000",

"applyMaxToMarket": false,

"avgPriceMins": 5

}

The NOTIONAL filter defines the acceptable notional range allowed for an order on a symbol.   
  
  
  
applyMinToMarket determines whether the minNotional will be applied to MARKET orders.   
  
applyMaxToMarket determines whether the maxNotional will be applied to MARKET orders.

In order to pass this filter, the notional (price \* quantity) has to pass the following conditions:

* price \* quantity <= maxNotional
* price \* quantity >= minNotional

For MARKET orders, the average price used over the last avgPriceMins minutes will be used for calculation.   
  
If the avgPriceMins is 0, then the last price will be used.

#### ICEBERG\_PARTS

**ExchangeInfo format:**

{

"filterType": "ICEBERG\_PARTS",

"limit": 10

}

The ICEBERG\_PARTS filter defines the maximum parts an iceberg order can have. The number of ICEBERG\_PARTS is defined as CEIL(qty / icebergQty).

#### MARKET\_LOT\_SIZE

**ExchangeInfo format:**

{

"filterType": "MARKET\_LOT\_SIZE",

"minQty": "0.00100000",

"maxQty": "100000.00000000",

"stepSize": "0.00100000"

}

The MARKET\_LOT\_SIZE filter defines the quantity (aka "lots" in auction terms) rules for MARKET orders on a symbol. There are 3 parts:

* minQty defines the minimum quantity allowed.
* maxQty defines the maximum quantity allowed.
* stepSize defines the intervals that a quantity can be increased/decreased by.

In order to pass the market lot size, the following must be true for quantity:

* quantity >= minQty
* quantity <= maxQty
* quantity % stepSize == 0

#### MAX\_NUM\_ORDERS

**ExchangeInfo format:**

{

"filterType": "MAX\_NUM\_ORDERS",

"maxNumOrders": 25

}

The MAX\_NUM\_ORDERS filter defines the maximum number of orders an account is allowed to have open on a symbol. Note that both "algo" orders and normal orders are counted for this filter.

#### MAX\_NUM\_ALGO\_ORDERS

**ExchangeInfo format:**

{

"filterType": "MAX\_NUM\_ALGO\_ORDERS",

"maxNumAlgoOrders": 5

}

The MAX\_NUM\_ALGO\_ORDERS filter defines the maximum number of "algo" orders an account is allowed to have open on a symbol. "Algo" orders are STOP\_LOSS, STOP\_LOSS\_LIMIT, TAKE\_PROFIT, and TAKE\_PROFIT\_LIMIT orders.

#### MAX\_NUM\_ICEBERG\_ORDERS

The MAX\_NUM\_ICEBERG\_ORDERS filter defines the maximum number of ICEBERG orders an account is allowed to have open on a symbol. An ICEBERG order is any order where the icebergQty is > 0.

**ExchangeInfo format:**

{

"filterType": "MAX\_NUM\_ICEBERG\_ORDERS",

"maxNumIcebergOrders": 5

}

#### MAX\_POSITION

The MAX\_POSITION filter defines the allowed maximum position an account can have on the base asset of a symbol. An account's position defined as the sum of the account's:

1. free balance of the base asset
2. locked balance of the base asset
3. sum of the qty of all open BUY orders

BUY orders will be rejected if the account's position is greater than the maximum position allowed.

If an order's quantity can cause the position to overflow, this will also fail the MAX\_POSITION filter.

**ExchangeInfo format:**

{

"filterType":"MAX\_POSITION",

"maxPosition":"10.00000000"

}

#### TRAILING\_DELTA

**ExchangeInfo format:**

{

"filterType": "TRAILING\_DELTA",

"minTrailingAboveDelta": 10,

"maxTrailingAboveDelta": 2000,

"minTrailingBelowDelta": 10,

"maxTrailingBelowDelta": 2000

}

The TRAILING\_DELTA filter defines the minimum and maximum value for the parameter trailingDelta.

In order for a trailing stop order to pass this filter, the following must be true:

For STOP\_LOSS BUY, STOP\_LOSS\_LIMIT\_BUY,TAKE\_PROFIT SELL and TAKE\_PROFIT\_LIMIT SELL orders:

* trailingDelta >= minTrailingAboveDelta
* trailingDelta <= maxTrailingAboveDelta

For STOP\_LOSS SELL, STOP\_LOSS\_LIMIT SELL, TAKE\_PROFIT BUY, and TAKE\_PROFIT\_LIMIT BUY orders:

* trailingDelta >= minTrailingBelowDelta
* trailingDelta <= maxTrailingBelowDelta

### Exchange Filters

#### EXCHANGE\_MAX\_NUM\_ORDERS

**ExchangeInfo format:**

{

"filterType": "EXCHANGE\_MAX\_NUM\_ORDERS",

"maxNumOrders": 1000

}

The EXCHANGE\_MAX\_NUM\_ORDERS filter defines the maximum number of orders an account is allowed to have open on the exchange. Note that both "algo" orders and normal orders are counted for this filter.

#### EXCHANGE\_MAX\_NUM\_ALGO\_ORDERS

**ExchangeInfo format:**

{

"filterType": "EXCHANGE\_MAX\_NUM\_ALGO\_ORDERS",

"maxNumAlgoOrders": 200

}

The EXCHANGE\_MAX\_NUM\_ALGO\_ORDERS filter defines the maximum number of "algo" orders an account is allowed to have open on the exchange. "Algo" orders are STOP\_LOSS, STOP\_LOSS\_LIMIT, TAKE\_PROFIT, and TAKE\_PROFIT\_LIMIT orders.

#### EXCHANGE\_MAX\_NUM\_ICEBERG\_ORDERS

The EXCHANGE\_MAX\_NUM\_ICEBERG\_ORDERS filter defines the maximum number of iceberg orders an account is allowed to have open on the exchange.

**ExchangeInfo format:**

{

"filterType": "EXCHANGE\_MAX\_NUM\_ICEBERG\_ORDERS",

"maxNumIcebergOrders": 10000

}

# Wallet Endpoints

## System Status (System)

**Response**

{

"status": 0, // 0: normal，1：system maintenance

"msg": "normal" // "normal", "system\_maintenance"

}

GET /sapi/v1/system/status

Fetch system status.

**Weight(IP):** 1

## All Coins' Information (USER\_DATA)

Get information of coins (available for deposit and withdraw) for user.

**Response:**

[

{

"coin": "BTC",

"depositAllEnable": true,

"free": "0.08074558",

"freeze": "0.00000000",

"ipoable": "0.00000000",

"ipoing": "0.00000000",

"isLegalMoney": false,

"locked": "0.00000000",

"name": "Bitcoin",

"networkList": [

{

"addressRegex": "^(bnb1)[0-9a-z]{38}$",

"coin": "BTC",

"depositDesc": "Wallet Maintenance, Deposit Suspended", // shown only when "depositEnable" is false.

"depositEnable": false,

"isDefault": false,

"memoRegex": "^[0-9A-Za-z\\-\_]{1,120}$",

"minConfirm": 1, // min number for balance confirmation

"name": "BEP2",

"network": "BNB",

"specialTips": "Both a MEMO and an Address are required to successfully deposit your BEP2-BTCB tokens to Binance.",

"unLockConfirm": 0, // confirmation number for balance unlock

"withdrawDesc": "Wallet Maintenance, Withdrawal Suspended", // shown only when "withdrawEnable" is false.

"withdrawEnable": false,

"withdrawFee": "0.00000220",

"withdrawIntegerMultiple": "0.00000001",

"withdrawMax": "9999999999.99999999",

"withdrawMin": "0.00000440",

"sameAddress": true, // If the coin needs to provide memo to withdraw

"estimatedArrivalTime": 25,

"busy": false,

"contractAddressUrl": "https://bscscan.com/token/",

"contractAddress": "0x7130d2a12b9bcbfae4f2634d864a1ee1ce3ead9c"

},

{

"addressRegex": "^[13][a-km-zA-HJ-NP-Z1-9]{25,34}$|^(bc1)[0-9A-Za-z]{39,59}$",

"coin": "BTC",

"depositEnable": true,

"isDefault": true,

"memoRegex": "",

"minConfirm": 1,

"name": "BTC",

"network": "BTC",

"specialTips": "",

"unLockConfirm": 2,

"withdrawEnable": true,

"withdrawFee": "0.00050000",

"withdrawIntegerMultiple": "0.00000001",

"withdrawMax": "750",

"withdrawMin": "0.00100000",

"sameAddress": false,

"estimatedArrivalTime": 25,

"busy": false,

"contractAddressUrl": "",

"contractAddress": ""

}

],

"storage": "0.00000000",

"trading": true,

"withdrawAllEnable": true,

"withdrawing": "0.00000000"

}

]

GET /sapi/v1/capital/config/getall

**Weight(IP):** 10

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Daily Account Snapshot (USER\_DATA)

**Response:**

{

"code":200, // 200 for success; others are error codes

"msg":"", // error message

"snapshotVos":[

{

"data":{

"balances":[

{

"asset":"BTC",

"free":"0.09905021",

"locked":"0.00000000"

},

{

"asset":"USDT",

"free":"1.89109409",

"locked":"0.00000000"

}

],

"totalAssetOfBtc":"0.09942700"

},

"type":"spot",

"updateTime":1576281599000

}

]

}

OR

{

"code":200, // 200 for success; others are error codes

"msg":"", // error message

"snapshotVos":[

{

"data":{

"marginLevel":"2748.02909813",

"totalAssetOfBtc":"0.00274803",

"totalLiabilityOfBtc":"0.00000100",

"totalNetAssetOfBtc":"0.00274750",

"userAssets":[

{

"asset":"XRP",

"borrowed":"0.00000000",

"free":"1.00000000",

"interest":"0.00000000",

"locked":"0.00000000",

"netAsset":"1.00000000"

}

]

},

"type":"margin",

"updateTime":1576281599000

}

]

}

OR

{

"code":200, // 200 for success; others are error codes

"msg":"", // error message

"snapshotVos":[

{

"data":{

"assets":[

{

"asset":"USDT",

"marginBalance":"118.99782335", // Not real-time data, can ignore

"walletBalance":"120.23811389"

}

],

"position":[

{

"entryPrice":"7130.41000000",

"markPrice":"7257.66239673",

"positionAmt":"0.01000000",

"symbol":"BTCUSDT",

"unRealizedProfit":"1.24029054" // Only show the value at the time of opening the position

}

]

},

"type":"futures",

"updateTime":1576281599000

}

]

}

GET /sapi/v1/accountSnapshot

**Weight(IP):** 2400

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| type | STRING | YES | "SPOT", "MARGIN", "FUTURES" |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| limit | INT | NO | min 7, max 30, default 7 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* The query time period must be less then 30 days
* Support query within the last one month only
* If startTimeand endTime not sent, return records of the last 7 days by default

## Disable Fast Withdraw Switch (USER\_DATA)

**Response:**

{}

POST /sapi/v1/account/disableFastWithdrawSwitch

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* **Caution:**

This request will disable fastwithdraw switch under your account.   
  
You need to enable "trade" option for the api key which requests this endpoint.

## Enable Fast Withdraw Switch (USER\_DATA)

**Response:**

{}

POST /sapi/v1/account/enableFastWithdrawSwitch

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* This request will enable fastwithdraw switch under your account.   
    
  You need to enable "trade" option for the api key which requests this endpoint.
* When Fast Withdraw Switch is on, transferring funds to a Binance account will be done instantly. There is no on-chain transaction, no transaction ID and no withdrawal fee.

## Withdraw(USER\_DATA)

**Response:**

{

"id":"7213fea8e94b4a5593d507237e5a555b"

}

POST /sapi/v1/capital/withdraw/apply

Submit a withdraw request.

**Weight(UID):** 600

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| coin | STRING | YES |  |
| withdrawOrderId | STRING | NO | client id for withdraw |
| network | STRING | NO |  |
| address | STRING | YES |  |
| addressTag | STRING | NO | Secondary address identifier for coins like XRP,XMR etc. |
| amount | DECIMAL | YES |  |
| transactionFeeFlag | BOOLEAN | NO | When making internal transfer, true for returning the fee to the destination account; false for returning the fee back to the departure account. Default false. |
| name | STRING | NO | Description of the address. The upper limit of the address book is 200. Exceeding the limit will cause withdrawal failure. Space in name should be encoded into %20. |
| walletType | INTEGER | NO | The wallet type for withdraw，0-spot wallet ，1-funding wallet. Default walletType is the current "selected wallet" under wallet->Fiat and Spot/Funding->Deposit |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* If network not send, return with default network of the coin.
* You can get network and isDefault in networkList of a coin in the response of Get /sapi/v1/capital/config/getall.

## Deposit History (supporting network) (USER\_DATA)

**Response:**

[

{

"id": "769800519366885376",

"amount": "0.001",

"coin": "BNB",

"network": "BNB",

"status": 0,

"address": "bnb136ns6lfw4zs5hg4n85vdthaad7hq5m4gtkgf23",

"addressTag": "101764890",

"txId": "98A3EA560C6B3336D348B6C83F0F95ECE4F1F5919E94BD006E5BF3BF264FACFC",

"insertTime": 1661493146000,

"transferType": 0,

"confirmTimes": "1/1",

"unlockConfirm": 0,

"walletType": 0

},

{

"id": "769754833590042625",

"amount":"0.50000000",

"coin":"IOTA",

"network":"IOTA",

"status":1,

"address":"SIZ9VLMHWATXKV99LH99CIGFJFUMLEHGWVZVNNZXRJJVWBPHYWPPBOSDORZ9EQSHCZAMPVAPGFYQAUUV9DROOXJLNW",

"addressTag":"",

"txId":"ESBFVQUTPIWQNJSPXFNHNYHSQNTGKRVKPRABQWTAXCDWOAKDKYWPTVG9BGXNVNKTLEJGESAVXIKIZ9999",

"insertTime":1599620082000,

"transferType":0,

"confirmTimes": "1/1",

"unlockConfirm": 0,

"walletType": 0

}

]

GET /sapi/v1/capital/deposit/hisrec

Fetch deposit history.

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| includeSource | Boolean | NO | default false, if true source address for the transaction will be returned |
| coin | STRING | NO |  |
| status | INT | NO | 0(0:pending,6: credited but cannot withdraw, 7=Wrong Deposit,8=Waiting User confirm, 1:success) |
| startTime | LONG | NO | Default: 90 days from current timestamp |
| endTime | LONG | NO | Default: present timestamp |
| offset | INT | NO | Default:0 |
| limit | INT | NO | Default:1000, Max:1000 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |
| txId | STRING | NO |  |

* Please notice the default startTime and endTime to make sure that time interval is within 0-90 days.
* If both startTime and endTime are sent, time between startTime and endTime must be less than 90 days.
* Please note that the source address returned may not be accurate due to network-specific characteristics. If multiple source addresses found, only the first address will be returned

## Withdraw History (supporting network) (USER\_DATA)

**Response:**

[

{

"id": "b6ae22b3aa844210a7041aee7589627c", // Withdrawal id in Binance

"amount": "8.91000000", // withdrawal amount

"transactionFee": "0.004", // transaction fee

"coin": "USDT",

"status": 6,

"address": "0x94df8b352de7f46f64b01d3666bf6e936e44ce60",

"txId": "0xb5ef8c13b968a406cc62a93a8bd80f9e9a906ef1b3fcf20a2e48573c17659268" // withdrawal transaction id

"applyTime": "2019-10-12 11:12:02", // UTC time

"network": "ETH",

"transferType": 0 // 1 for internal transfer, 0 for external transfer

"withdrawOrderId": "WITHDRAWtest123", // // will not be returned if there's no withdrawOrderId for this withdraw.

"info": "The address is not valid. Please confirm with the recipient", // reason for withdrawal failure

"confirmNo":3, // confirm times for withdraw

"walletType": 1, //1: Funding Wallet 0:Spot Wallet

"txKey": "",

"completeTime": "2023-03-23 16:52:41" // complete UTC time when user's asset is deduct from withdrawing, only if status = 6(success)

},

{

"id": "156ec387f49b41df8724fa744fa82719",

"amount": "0.00150000",

"transactionFee": "0.004",

"coin": "BTC",

"status": 6,

"address": "1FZdVHtiBqMrWdjPyRPULCUceZPJ2WLCsB",

"txId": "60fd9007ebfddc753455f95fafa808c4302c836e4d1eebc5a132c36c1d8ac354"

"applyTime": "2019-09-24 12:43:45",

"network": "BTC",

"transferType": 0,

"info": "",

"confirmNo": 2,

"walletType": 1,

"txKey": "",

"completeTime": "2023-03-23 16:52:41"

}

]

GET /sapi/v1/capital/withdraw/history

Fetch withdraw history.

**Weight(UID):** 18000

**Request Limit:** 10 requests per second

* This endpoint specifically uses per second UID rate limit, user's total second level UID rate limit is 180000/second. Response from the endpoint contains header key X-SAPI-USED-UID-WEIGHT-1S, which defines weight used by the current UID.

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| coin | STRING | NO |  |
| withdrawOrderId | STRING | NO |  |
| status | INT | NO | 0(0:Email Sent,1:Cancelled 2:Awaiting Approval 3:Rejected 4:Processing 5:Failure 6:Completed) |
| offset | INT | NO |  |
| limit | INT | NO | Default: 1000, Max: 1000 |
| startTime | LONG | NO | Default: 90 days from current timestamp |
| endTime | LONG | NO | Default: present timestamp |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* network may not be in the response for old withdraw.
* Please notice the default startTime and endTime to make sure that time interval is within 0-90 days.
* If both startTime and endTimeare sent, time between startTimeand endTimemust be less than 90 days.
* If withdrawOrderId is sent, time between startTime and endTime must be less than 7 days.
* If withdrawOrderId is sent, startTime and endTime are not sent, will return last 7 days records by default.

## Deposit Address (supporting network) (USER\_DATA)

**Response:**

{

"address": "1HPn8Rx2y6nNSfagQBKy27GB99Vbzg89wv",

"coin": "BTC",

"tag": "",

"url": "https://btc.com/1HPn8Rx2y6nNSfagQBKy27GB99Vbzg89wv"

}

GET /sapi/v1/capital/deposit/address

Fetch deposit address with network.

**Weight(IP):** 10

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| coin | STRING | YES |  |
| network | STRING | NO |  |
| amount | DECIMAL | NO |  |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* If network is not send, return with default network of the coin.
* You can get network and isDefault in networkList in the response of Get /sapi/v1/capital/config/getall (HMAC SHA256).
* amount needs to be sent if using LIGHTNING network

## Account Status (USER\_DATA)

**Response:**

{

"data": "Normal"

}

GET /sapi/v1/account/status

Fetch account status detail.

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Account API Trading Status (USER\_DATA)

**Response:**

{

"data": { // API trading status detail

"isLocked": false, // API trading function is locked or not

"plannedRecoverTime": 0, // If API trading function is locked, this is the planned recover time

"triggerCondition": {

"GCR": 150, // Number of GTC orders

"IFER": 150, // Number of FOK/IOC orders

"UFR": 300 // Number of orders

},

"updateTime": 1547630471725

}

}

GET /sapi/v1/account/apiTradingStatus

Fetch account api trading status detail.

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## DustLog(USER\_DATA)

**Response**

{

"total": 8, //Total counts of exchange

"userAssetDribblets": [

{

"operateTime": 1615985535000,

"totalTransferedAmount": "0.00132256", // Total transfered BNB amount for this exchange.

"totalServiceChargeAmount": "0.00002699", //Total service charge amount for this exchange.

"transId": 45178372831,

"userAssetDribbletDetails": [ //Details of this exchange.

{

"transId": 4359321,

"serviceChargeAmount": "0.000009",

"amount": "0.0009",

"operateTime": 1615985535000,

"transferedAmount": "0.000441",

"fromAsset": "USDT"

},

{

"transId": 4359321,

"serviceChargeAmount": "0.00001799",

"amount": "0.0009",

"operateTime": 1615985535000,

"transferedAmount": "0.00088156",

"fromAsset": "ETH"

}

]

},

{

"operateTime":1616203180000,

"totalTransferedAmount": "0.00058795",

"totalServiceChargeAmount": "0.000012",

"transId": 4357015,

"userAssetDribbletDetails": [

{

"transId": 4357015,

"serviceChargeAmount": "0.00001",

"amount": "0.001",

"operateTime": 1616203180000,

"transferedAmount": "0.00049",

"fromAsset": "USDT"

},

{

"transId": 4357015,

"serviceChargeAmount": "0.000002",

"amount": "0.0001",

"operateTime": 1616203180000,

"transferedAmount": "0.00009795",

"fromAsset": "ETH"

}

]

}

]

}

}

GET /sapi/v1/asset/dribblet

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| accountType | STRING | NO | SPOTor MARGIN,default SPOT |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* Only return last 100 records
* Only return records after 2020/12/01

## Get Assets That Can Be Converted Into BNB (USER\_DATA)

**Response**

{

"details": [

{

"asset": "ADA",

"assetFullName": "ADA",

"amountFree": "6.21", //Convertible amount

"toBTC": "0.00016848", //BTC amount

"toBNB": "0.01777302", //BNB amount（Not deducted commission fee）

"toBNBOffExchange": "0.01741756", //BNB amount（Deducted commission fee）

"exchange": "0.00035546" //Commission fee

}

],

"totalTransferBtc": "0.00016848",

"totalTransferBNB": "0.01777302",

"dribbletPercentage": "0.02" //Commission fee

}

POST /sapi/v1/asset/dust-btc

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| accountType | STRING | NO | SPOTor MARGIN,default SPOT |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Dust Transfer (USER\_DATA)

**Response:**

{

"totalServiceCharge":"0.02102542",

"totalTransfered":"1.05127099",

"transferResult":[

{

"amount":"0.03000000",

"fromAsset":"ETH",

"operateTime":1563368549307,

"serviceChargeAmount":"0.00500000",

"tranId":2970932918,

"transferedAmount":"0.25000000"

},

{

"amount":"0.09000000",

"fromAsset":"LTC",

"operateTime":1563368549404,

"serviceChargeAmount":"0.01548000",

"tranId":2970932918,

"transferedAmount":"0.77400000"

},

{

"amount":"248.61878453",

"fromAsset":"TRX",

"operateTime":1563368549489,

"serviceChargeAmount":"0.00054542",

"tranId":2970932918,

"transferedAmount":"0.02727099"

}

]

}

POST /sapi/v1/asset/dust

Convert dust assets to BNB.

**Weight(UID):** 10

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| asset | ARRAY | YES | The asset being converted. For example: asset=BTC,USDT |
| accountType | STRING | NO | SPOTor MARGIN,default SPOT |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* You need to openEnable Spot & Margin Trading permission for the API Key which requests this endpoint.

## Asset Dividend Record (USER\_DATA)

**Response:**

{

"rows":[

{

"id":1637366104,

"amount":"10.00000000",

"asset":"BHFT",

"divTime":1563189166000,

"enInfo":"BHFT distribution",

"tranId":2968885920

},

{

"id":1631750237,

"amount":"10.00000000",

"asset":"BHFT",

"divTime":1563189165000,

"enInfo":"BHFT distribution",

"tranId":2968885920

}

],

"total":2

}

GET /sapi/v1/asset/assetDividend

Query asset dividend record.

**Weight(IP):** 10

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| asset | STRING | NO |  |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| limit | INT | NO | Default 20, max 500 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* There cannot be more than 180 days between parameter startTime and endTime.

## Asset Detail (USER\_DATA)

**Response:**

{

"CTR": {

"minWithdrawAmount": "70.00000000", //min withdraw amount

"depositStatus": false,//deposit status (false if ALL of networks' are false)

"withdrawFee": 35, // withdraw fee

"withdrawStatus": true, //withdraw status (false if ALL of networks' are false)

"depositTip": "Delisted, Deposit Suspended" //reason

},

"SKY": {

"minWithdrawAmount": "0.02000000",

"depositStatus": true,

"withdrawFee": 0.01,

"withdrawStatus": true

}

}

GET /sapi/v1/asset/assetDetail

Fetch details of assets supported on Binance.

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| asset | STRING | NO |  |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* Please get network and other deposit or withdraw details from GET /sapi/v1/capital/config/getall.

## Trade Fee (USER\_DATA)

**Response:**

[

{

"symbol": "ADABNB",

"makerCommission": "0.001",

"takerCommission": "0.001"

},

{

"symbol": "BNBBTC",

"makerCommission": "0.001",

"takerCommission": "0.001"

}

]

GET /sapi/v1/asset/tradeFee

Fetch trade fee

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | NO |  |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## User Universal Transfer (USER\_DATA)

**Response:**

{

"tranId":13526853623

}

POST /sapi/v1/asset/transfer

You need to enable Permits Universal Transfer option for the API Key which requests this endpoint.

**Weight(UID):** 900

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| type | ENUM | YES |  |
| asset | STRING | YES |  |
| amount | DECIMAL | YES |  |
| fromSymbol | STRING | NO |  |
| toSymbol | STRING | NO |  |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* fromSymbol must be sent when type are ISOLATEDMARGIN\_MARGIN and ISOLATEDMARGIN\_ISOLATEDMARGIN
* toSymbol must be sent when type are MARGIN\_ISOLATEDMARGIN and ISOLATEDMARGIN\_ISOLATEDMARGIN
* ENUM of transfer types:
  + MAIN\_UMFUTURE Spot account transfer to USDⓈ-M Futures account
  + MAIN\_CMFUTURE Spot account transfer to COIN-M Futures account
  + MAIN\_MARGIN Spot account transfer to Margin（cross）account
  + UMFUTURE\_MAIN USDⓈ-M Futures account transfer to Spot account
  + UMFUTURE\_MARGIN USDⓈ-M Futures account transfer to Margin（cross）account
  + CMFUTURE\_MAIN COIN-M Futures account transfer to Spot account
  + CMFUTURE\_MARGIN COIN-M Futures account transfer to Margin(cross) account
  + MARGIN\_MAIN Margin（cross）account transfer to Spot account
  + MARGIN\_UMFUTURE Margin（cross）account transfer to USDⓈ-M Futures
  + MARGIN\_CMFUTURE Margin（cross）account transfer to COIN-M Futures
  + ISOLATEDMARGIN\_MARGIN Isolated margin account transfer to Margin(cross) account
  + MARGIN\_ISOLATEDMARGIN Margin(cross) account transfer to Isolated margin account
  + ISOLATEDMARGIN\_ISOLATEDMARGIN Isolated margin account transfer to Isolated margin account
  + MAIN\_FUNDING Spot account transfer to Funding account
  + FUNDING\_MAIN Funding account transfer to Spot account
  + FUNDING\_UMFUTURE Funding account transfer to UMFUTURE account
  + UMFUTURE\_FUNDING UMFUTURE account transfer to Funding account
  + MARGIN\_FUNDING MARGIN account transfer to Funding account
  + FUNDING\_MARGIN Funding account transfer to Margin account
  + FUNDING\_CMFUTURE Funding account transfer to CMFUTURE account
  + CMFUTURE\_FUNDING CMFUTURE account transfer to Funding account
  + MAIN\_OPTION Spot account transfer to Options account
  + OPTION\_MAIN Options account transfer to Spot account
  + UMFUTURE\_OPTION USDⓈ-M Futures account transfer to Options account
  + OPTION\_UMFUTURE Options account transfer to USDⓈ-M Futures account
  + MARGIN\_OPTION Margin（cross）account transfer to Options account
  + OPTION\_MARGIN Options account transfer to Margin（cross）account
  + FUNDING\_OPTION Funding account transfer to Options account
  + OPTION\_FUNDING Options account transfer to Funding account
  + MAIN\_PORTFOLIO\_MARGIN Spot account transfer to Portfolio Margin account
  + PORTFOLIO\_MARGIN\_MAIN Portfolio Margin account transfer to Spot account
  + MAIN\_ISOLATED\_MARGIN Spot account transfer to Isolated margin account
  + ISOLATED\_MARGIN\_MAIN Isolated margin account transfer to Spot account

## Query User Universal Transfer History (USER\_DATA)

**Response:**

{

"total":2,

"rows":[

{

"asset":"USDT",

"amount":"1",

"type":"MAIN\_UMFUTURE",

"status": "CONFIRMED", // status: CONFIRMED / FAILED / PENDING

"tranId": 11415955596,

"timestamp":1544433328000

},

{

"asset":"USDT",

"amount":"2",

"type":"MAIN\_UMFUTURE",

"status": "CONFIRMED",

"tranId": 11366865406,

"timestamp":1544433328000

}

]

}

GET /sapi/v1/asset/transfer

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| type | ENUM | YES |  |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| current | INT | NO | Default 1 |
| size | INT | NO | Default 10, Max 100 |
| fromSymbol | STRING | NO |  |
| toSymbol | STRING | NO |  |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* fromSymbol must be sent when type are ISOLATEDMARGIN\_MARGIN and ISOLATEDMARGIN\_ISOLATEDMARGIN
* toSymbol must be sent when type are MARGIN\_ISOLATEDMARGIN and ISOLATEDMARGIN\_ISOLATEDMARGIN
* Support query within the last 6 months only
* If startTimeand endTime not sent, return records of the last 7 days by default

## Funding Wallet (USER\_DATA)

**Response**

[

{

"asset": "USDT",

"free": "1", // avalible balance

"locked": "0", // locked asset

"freeze": "0", // freeze asset

"withdrawing": "0",

"btcValuation": "0.00000091"

}

]

POST /sapi/v1/asset/get-funding-asset

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| asset | STRING | NO |  |
| needBtcValuation | STRING | NO | true or false |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* Currently supports querying the following business assets：Binance Pay, Binance Card, Binance Gift Card, Stock Token

## User Asset (USER\_DATA)

**Response**

[

{

"asset": "AVAX",

"free": "1",

"locked": "0",

"freeze": "0",

"withdrawing": "0",

"ipoable": "0",

"btcValuation": "0"

},

{

"asset": "BCH",

"free": "0.9",

"locked": "0",

"freeze": "0",

"withdrawing": "0",

"ipoable": "0",

"btcValuation": "0"

},

{

"asset": "BNB",

"free": "887.47061626",

"locked": "0",

"freeze": "10.52",

"withdrawing": "0.1",

"ipoable": "0",

"btcValuation": "0"

},

{

"asset": "BUSD",

"free": "9999.7",

"locked": "0",

"freeze": "0",

"withdrawing": "0",

"ipoable": "0",

"btcValuation": "0"

},

{

"asset": "SHIB",

"free": "532.32",

"locked": "0",

"freeze": "0",

"withdrawing": "0",

"ipoable": "0",

"btcValuation": "0"

},

{

"asset": "USDT",

"free": "50300000001.44911105",

"locked": "0",

"freeze": "0",

"withdrawing": "0",

"ipoable": "0",

"btcValuation": "0"

},

{

"asset": "WRZ",

"free": "1",

"locked": "0",

"freeze": "0",

"withdrawing": "0",

"ipoable": "0",

"btcValuation": "0"

}

]

POST /sapi/v3/asset/getUserAsset

Get user assets, just for positive data.

**Weight(IP):** 5

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| asset | STRING | NO | If asset is blank, then query all positive assets user have. |
| needBtcValuation | BOOLEAN | NO | Whether need btc valuation or not. |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* If asset is set, then return this asset, otherwise return all assets positive.
* If needBtcValuation is set, then return btcValudation.

## BUSD Convert (TRADE)

**Response**

{

"tranId": 118263407119,

"status": "S"

}

POST /sapi/v1/asset/convert-transfer

Convert transfer, convert between BUSD and stablecoins.

**Weight(UID):** 5

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| clientTranId | STRING | YES | The unique user-defined transaction id, min length 20 |
| asset | STRING | YES | The current asset |
| amount | BigDecimal | YES | The amount must be positive number |
| targetAsset | String | YES | Target asset you want to convert |
| accountType | String | NO | Only MAIN and CARD, default MAIN |

* If the clientTranId has been used before, will not do the convert transfer, the original transfer will be returned.

## BUSD Convert History (USER\_DATA)

**Response**

{

"total":3,

"rows":

[

{

"tranId":118263615991,

"type":244,

"time":1664442078000,

"deductedAsset":"BUSD",

"deductedAmount":"1",

"targetAsset":"USDC",

"targetAmount":"1",

"status":"S",

"accountType":"MAIN"

},{

"tranId":118263598801,

"type":244,

"time":1664442061000,

"deductedAsset":"BUSD",

"deductedAmount":"1",

"targetAsset":"USDC",

"targetAmount":"1",

"status":"S",

"accountType":"MAIN"

},{

"tranId":118263407119,

"type":244,

"time":1664441820000,

"deductedAsset":"BUSD",

"deductedAmount":"1",

"targetAsset":"USDC",

"targetAmount":"1",

"status":"S",

"accountType":"MAIN"

}

]

}

GET /sapi/v1/asset/convert-transfer/queryByPage

**Weight(UID):** 5

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| tranId | LONG | NO | The transaction id |
| clientTranId | STRING | NO | The user-defined transaction id |
| asset | STRING | NO | If it is blank, we will match deducted asset and target asset. |
| startTime | LONG | YES | inclusive, unit: ms |
| endTime | LONG | YES | exclusive, unit: ms |
| accountType | STRING | NO | MAIN: main account. CARD: funding account. If it is blank, we will query spot and card wallet, otherwise, we just query the corresponding wallet |
| current | INTEGER | NO | current page, default 1, the min value is 1 |
| size | INTEGER | NO | page size, default 10, the max value is 100 |

* ENUM of types:
  + 244 convert via sapi call
  + 11 auto convert when deposit
  + 32 auto convert when withdraw
  + 34 in case withdraw failed
  + 254 busd auto convert job

## Get Cloud-Mining payment and refund history (USER\_DATA)

**Response**

{

"total":5,

"rows":[

{"createTime":1667880112000,"tranId":121230610120,"type":248,"asset":"USDT","amount":"25.0068","status":"S"},

{"createTime":1666776366000,"tranId":119991507468,"type":249,"asset":"USDT","amount":"0.027","status":"S"},

{"createTime":1666764505000,"tranId":119977966327,"type":248,"asset":"USDT","amount":"0.027","status":"S"},

{"createTime":1666758189000,"tranId":119973601721,"type":248,"asset":"USDT","amount":"0.018","status":"S"},

{"createTime":1666757278000,"tranId":119973028551,"type":248,"asset":"USDT","amount":"0.018","status":"S"}

]

}

GET /sapi/v1/asset/ledger-transfer/cloud-mining/queryByPage

The query of Cloud-Mining payment and refund history

**Weight(UID):** 600

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| tranId | LONG | NO | The transaction id |
| clientTranId | STRING | NO | The unique flag |
| asset | STRING | NO | If it is blank, we will query all assets |
| startTime | LONG | YES | inclusive, unit: ms |
| endTime | LONG | YES | exclusive, unit: ms |
| current | INTEGER | NO | current page, default 1, the min value is 1 |
| size | INTEGER | NO | page size, default 10, the max value is 100 |

* Just return the SUCCESS records of payment and refund.
* For response, type = 248 means payment, type = 249 means refund, status =S means SUCCESS.

## Get API Key Permission (USER\_DATA)

**Response**

{

"ipRestrict":false,

"createTime":1698645219000,

"enableInternalTransfer":false, // This option authorizes this key to transfer funds between your master account and your sub account instantly

"enableFutures":false, // The Futures API cannot be used if the API key was created before the Futures account was opened, or if you have enabled portfolio margin.

"enablePortfolioMarginTrading":true, // API Key created before your activate portfolio margin does not support portfolio margin API service

"enableVanillaOptions":false, // Authorizes this key to Vanilla options trading

"permitsUniversalTransfer":false, // Authorizes this key to be used for a dedicated universal transfer API to transfer multiple supported currencies. Each business's own transfer API rights are not affected by this authorization

"enableReading":true,

"enableSpotAndMarginTrading":false, // Spot and margin trading

"enableWithdrawals":false, // This option allows you to withdraw via API. You must apply the IP Access Restriction filter in order to enable withdrawals

"enableMargin":false // This option can be adjusted after the Cross Margin account transfer is completed

}

GET /sapi/v1/account/apiRestrictions

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Query auto-converting stable coins (USER\_DATA)

**Response:**

{

"convertEnabled": true,

"coins": [

"USDC",

"USDP",

"TUSD"

],

"exchangeRates": {

"USDC": "1",

"TUSD": "1",

"USDP": "1"

}

}

GET /sapi/v1/capital/contract/convertible-coins

Get a user's auto-conversion settings in deposit/withdrawal

**Weight(UID):** 600

**Parameters:** None

## Switch on/off BUSD and stable coins conversion (USER\_DATA)

**Response:** Returns code 200 on success without body.

POST /sapi/v1/capital/contract/convertible-coins

User can use it to turn on or turn off the BUSD auto-conversion from/to a specific stable coin.

**Weight(UID):** 600

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| coin | STRING | YES | Must be USDC, USDP or TUSD |
| enable | BOOLEAN | YES | true: turn on the auto-conversion. false: turn off the auto-conversion |

* Params need to be in the POST body

## One click arrival deposit apply (for expired address deposit) (USER\_DATA)

**Response:**

{

"code": "000000",

"message": "success",

"data":true,

"success": true

}

POST /sapi/v1/capital/deposit/credit-apply

Apply deposit credit for expired address (One click arrival)

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| depositId | LONG | NO | Deposit record Id, priority use |
| txId | STRING | NO | Deposit txId, used when depositId is not specified |
| subAccountId | LONG | NO | Sub-accountId of Cloud user |
| subUserId | LONG | NO | Sub-userId of parent user |

* Params need to be in the POST body

## Fetch deposit address list with network(USER\_DATA)

**Response:**

[

{

"coin": "ETH",

"address": "0xD316E95Fd9E8E237Cb11f8200Babbc5D8D177BA4",

"tag":"",

"isDefault": 0

},

{

"coin": "ETH",

"address": "0xD316E95Fd9E8E237Cb11f8200Babbc5D8D177BA4",

"tag":"",

"isDefault": 0

},

{

"coin": "ETH",

"address": "0x00003ada75e7da97ba0db2fcde72131f712455e2",

"tag":"",

"isDefault": 1 //'isDefault' is 1 means the address is default, same as shown in the app.

}

]

GET /sapi/v1/capital/deposit/address/list

Fetch deposit address list with network.

**Weight(IP):** 10

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| coin | STRING | YES | coin refers to the parent network address format that the address is using |
| network | STRING | NO |  |
| timestamp | LONG | YES |  |

* If network is not send, return with default network of the coin.
* You can get network and isDefault in networkList in the response of Get /sapi/v1/capital/config/getall.

## Query User Wallet Balance (USER\_DATA)

**Response:**

[

{

"activate": true,

"balance": "0",

"walletName": "Spot"

},

{

"activate": true,

"balance": "0",

"walletName": "Funding"

},

{

"activate": true,

"balance": "0",

"walletName": "Cross Margin"

},

{

"activate": true,

"balance": "0",

"walletName": "Isolated Margin"

},

{

"activate": true,

"balance": "0.71842752",

"walletName": "USDⓈ-M Futures"

},

{

"activate": true,

"balance": "0",

"walletName": "COIN-M Futures"

},

{

"activate": true,

"balance": "0",

"walletName": "Earn"

},

{

"activate": false,

"balance": "0",

"walletName": "Options"

}

]

GET /sapi/v1/asset/wallet/balance

Query User Wallet Balance

**Weight(IP):** 60

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* You need to open Permits Universal Transfer permission for the API Key which requests this endpoint.

## Query User Delegation History(For Master Account)(USER\_DATA)

**Response:**

{

"total": 3316,

"rows": [

{

"clientTranId": "293915932290879488",

"transferType": "Undelegate",

"asset": "ETH",

"amount": "1",

"time": 1695205406000

},

{

"clientTranId": "293915892281413632",

"transferType": "Delegate",

"asset": "ETH",

"amount": "1",

"time": 1695205396000

}

]

}

GET /sapi/v1/asset/custody/transfer-history

Query User Delegation History

**Weight(IP):** 60

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| email | STRING | YES |  |
| startTime | LONG | YES |  |
| endTime | LONG | YES |  |
| type | ENUM | NO | Delegate/Undelegate |
| asset | STRING | NO |  |
| current | INTEGER | NO | default 1 |
| size | INTEGER | NO | default 10, max 100 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* You need to open Enable Spot & Margin Trading permission for the API Key which requests this endpoint

## Get symbols delist schedule for spot (MARKET\_DATA)

GET /sapi/v1/spot/delist-schedule

Get symbols delist schedule for spot

**Response:**

[

{

"delistTime": 1686161202000,

"symbols": [

"ADAUSDT",

"BNBUSDT"

]

},

{

"delistTime": 1686222232000,

"symbols": [

"ETHUSDT"

]

}

]

**Weight(IP):** 100

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Fetch withdraw address list (USER\_DATA)

GET /sapi/v1/capital/withdraw/address/list

Fetch withdraw address list

**Response:**

[

{

"address": "string",

"addressTag": "string",

"coin": "string",

"name": "string", //is a user-defined name

"network": "string",

"origin": "string", //if originType=='others', the address source manually filled in by the user

"originType": "string", //Address source type

"whiteStatus": true //Is it whitelisted

}

]

**Weight(IP):** 10

## Account info (USER\_DATA)

GET /sapi/v1/account/info

Fetch account info detail.

**Response:**

{

"vipLevel": 0,

"isMarginEnabled": true, // true or false for margin

"isFutureEnabled": true // true or false for futures.

}

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

# Sub-Account Endpoints

* The endpoints documented in this section are for [Corporate Accounts](https://www.binance.com/en/support/articles/360020371872).
* To become a corporate account, please refer to this document: [Corporate Account Application](https://www.binance.com/en/support/articles/360015552032)

## Create a Virtual Sub-account(For Master Account)

**Response:**

{

"email":"addsdd\_virtual@aasaixwqnoemail.com"

}

POST /sapi/v1/sub-account/virtualSubAccount

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| subAccountString | STRING | YES | Please input a string. We will create a virtual email using that string for you to register |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* This request will generate a virtual sub account under your master account.
* You need to enable "trade" option for the API Key which requests this endpoint.

## Query Sub-account List (For Master Account)

**Response:**

{

"subAccounts":[

{

"email":"testsub@gmail.com",

"isFreeze":false,

"createTime":1544433328000,

"isManagedSubAccount": false,

"isAssetManagementSubAccount": false

},

{

"email":"virtual@oxebmvfonoemail.com",

"isFreeze":false,

"createTime":1544433328000,

"isManagedSubAccount": false,

"isAssetManagementSubAccount": false

}

]

}

GET /sapi/v1/sub-account/list

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| email | STRING | NO | [Sub-account email](https://binance-docs.github.io/apidocs/spot/en/#email-address) |
| isFreeze | STRING | NO | true or false |
| page | INT | NO | Default value: 1 |
| limit | INT | NO | Default value: 1, Max value: 200 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Query Sub-account Spot Asset Transfer History (For Master Account)

**Response:**

[

{

"from":"aaa@test.com",

"to":"bbb@test.com",

"asset":"BTC",

"qty":"10",

"status": "SUCCESS",

"tranId": 6489943656,

"time":1544433328000

},

{

"from":"bbb@test.com",

"to":"ccc@test.com",

"asset":"ETH",

"qty":"2",

"status": "SUCCESS",

"tranId": 6489938713,

"time":1544433328000

}

]

GET /sapi/v1/sub-account/sub/transfer/history

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| fromEmail | STRING | NO |  |
| toEmail | STRING | NO |  |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| page | INT | NO | Default value: 1 |
| limit | INT | NO | Default value: 500 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* fromEmail and toEmail cannot be sent at the same time.
* Return fromEmail equal master account email by default.

## Query Sub-account Futures Asset Transfer History (For Master Account)

**Response**

{

"success":true,

"futuresType": 2,

"transfers":[

{

"from":"aaa@test.com",

"to":"bbb@test.com",

"asset":"BTC",

"qty":"1",

"tranId":11897001102,

"time":1544433328000

},

{

"from":"bbb@test.com",

"to":"ccc@test.com",

"asset":"ETH",

"qty":"2",

"tranId":11631474902,

"time":1544433328000

}

]

}

GET /sapi/v1/sub-account/futures/internalTransfer

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| email | STRING | YES | [Sub-account email](https://binance-docs.github.io/apidocs/spot/en/#email-address) |
| futuresType | LONG | YES | 1:USDT-margined Futures，2: Coin-margined Futures |
| startTime | LONG | NO | Default return the history with in 100 days |
| endTime | LONG | NO | Default return the history with in 100 days |
| page | INT | NO | Default value: 1 |
| limit | INT | NO | Default value: 50, Max value: 500 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Sub-account Futures Asset Transfer (For Master Account)

**Response**

{

"success":true,

"txnId":"2934662589"

}

POST /sapi/v1/sub-account/futures/internalTransfer

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| fromEmail | STRING | YES | Sender email |
| toEmail | STRING | YES | Recipient email |
| futuresType | LONG | YES | 1:USDT-margined Futures，2: Coin-margined Futures |
| asset | STRING | YES |  |
| amount | DECIMAL | YES |  |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* Master account can transfer max 2000 times a minute
* There must be sufficient margin balance in futures wallet to execute transferring.

## Query Sub-account Assets (For Master Account)

**Response:**

{

"balances":[

{

"asset":"ADA",

"free":10000,

"locked":0

},

{

"asset":"BNB",

"free":10003,

"locked":0

},

{

"asset":"BTC",

"free":11467.6399,

"locked":0

},

{

"asset":"ETH",

"free":10004.995,

"locked":0

},

{

"asset":"USDT",

"free":11652.14213,

"locked":0

}

]

}

GET /sapi/v3/sub-account/assets

Fetch sub-account assets

**Weight(UID):** 60

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| email | STRING | YES | Sub account email |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Query Sub-account Spot Assets Summary (For Master Account)

**Response:**

{

"totalCount":2,

"masterAccountTotalAsset": "0.23231201",

"spotSubUserAssetBtcVoList":[

{

"email":"sub123@test.com",

"totalAsset":"9999.00000000"

},

{

"email":"test456@test.com",

"totalAsset":"0.00000000"

}

]

}

Get BTC valued asset summary of subaccounts.

GET /sapi/v1/sub-account/spotSummary

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| email | STRING | NO | Sub account email |
| page | LONG | NO | default 1 |
| size | LONG | NO | default 10, max 20 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Get Sub-account Deposit Address (For Master Account)

**Response:**

{

"address":"TDunhSa7jkTNuKrusUTU1MUHtqXoBPKETV",

"coin":"USDT",

"tag":"",

"url":"https://tronscan.org/#/address/TDunhSa7jkTNuKrusUTU1MUHtqXoBPKETV"

}

GET /sapi/v1/capital/deposit/subAddress

Fetch sub-account deposit address

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| email | STRING | YES | Sub account email |
| coin | STRING | YES |  |
| network | STRING | NO |  |
| amount | DECIMAL | NO |  |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* amount needs to be sent if using LIGHTNING network

## Get Sub-account Deposit History (For Master Account)

**Response:**

[

{

"id": "769800519366885376",

"amount": "0.001",

"coin": "BNB",

"network": "BNB",

"status": 0,

"address": "bnb136ns6lfw4zs5hg4n85vdthaad7hq5m4gtkgf23",

"addressTag": "101764890",

"txId": "98A3EA560C6B3336D348B6C83F0F95ECE4F1F5919E94BD006E5BF3BF264FACFC",

"insertTime": 1661493146000,

"transferType": 0,

"confirmTimes": "1/1",

"unlockConfirm": 0,

"walletType": 0

},

{

"id": "769754833590042625",

"amount":"0.50000000",

"coin":"IOTA",

"network":"IOTA",

"status":1,

"address":"SIZ9VLMHWATXKV99LH99CIGFJFUMLEHGWVZVNNZXRJJVWBPHYWPPBOSDORZ9EQSHCZAMPVAPGFYQAUUV9DROOXJLNW",

"addressTag":"",

"txId":"ESBFVQUTPIWQNJSPXFNHNYHSQNTGKRVKPRABQWTAXCDWOAKDKYWPTVG9BGXNVNKTLEJGESAVXIKIZ9999",

"insertTime":1599620082000,

"transferType":0,

"confirmTimes": "1/1",

"unlockConfirm": 0,

"walletType": 0

}

]

GET /sapi/v1/capital/deposit/subHisrec

Fetch sub-account deposit history

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| email | STRING | YES | Sub account email |
| coin | STRING | NO |  |
| status | INT | NO | 0(0:pending,6: credited but cannot withdraw,7:Wrong Deposit,8:Waiting User confirm,1:success) |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| limit | INT | NO |  |
| offset | INT | NO | default:0 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |
| txId | STRING | NO |  |

## Get Sub-account's Status on Margin/Futures (For Master Account)

**Response**

[

{

"email":"123@test.com", // user email

"isSubUserEnabled": true, // true or false

"isUserActive": true, // true or false

"insertTime": 1570791523523, // sub account create time

"isMarginEnabled": true, // true or false for margin

"isFutureEnabled": true, // true or false for futures.

"mobile": 1570791523523 // user mobile number

}

]

GET /sapi/v1/sub-account/status

**Weight(IP):** 10

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| email | STRING | NO | [Sub-account email](https://binance-docs.github.io/apidocs/spot/en/#email-address) |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* If no email sent, all sub-accounts' information will be returned.

## Enable Margin for Sub-account (For Master Account)

**Response**

{

"email":"123@test.com",

"isMarginEnabled": true

}

POST /sapi/v1/sub-account/margin/enable

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| email | STRING | YES | [Sub-account email](https://binance-docs.github.io/apidocs/spot/en/#email-address) |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Get Detail on Sub-account's Margin Account (For Master Account)

**Response**

{

"email":"123@test.com",

"marginLevel": "11.64405625",

"totalAssetOfBtc": "6.82728457",

"totalLiabilityOfBtc": "0.58633215",

"totalNetAssetOfBtc": "6.24095242",

"marginTradeCoeffVo":

{

"forceLiquidationBar": "1.10000000", // Liquidation margin ratio

"marginCallBar": "1.50000000", // Margin call margin ratio

"normalBar": "2.00000000" // Initial margin ratio

},

"marginUserAssetVoList": [

{

"asset": "BTC",

"borrowed": "0.00000000",

"free": "0.00499500",

"interest": "0.00000000",

"locked": "0.00000000",

"netAsset": "0.00499500"

},

{

"asset": "BNB",

"borrowed": "201.66666672",

"free": "2346.50000000",

"interest": "0.00000000",

"locked": "0.00000000",

"netAsset": "2144.83333328"

},

{

"asset": "ETH",

"borrowed": "0.00000000",

"free": "0.00000000",

"interest": "0.00000000",

"locked": "0.00000000",

"netAsset": "0.00000000"

},

{

"asset": "USDT",

"borrowed": "0.00000000",

"free": "0.00000000",

"interest": "0.00000000",

"locked": "0.00000000",

"netAsset": "0.00000000"

}

]

}

GET /sapi/v1/sub-account/margin/account

**Weight(IP):** 10

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| email | STRING | YES | [Sub-account email](https://binance-docs.github.io/apidocs/spot/en/#email-address) |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Get Summary of Sub-account's Margin Account (For Master Account)

**Response**

{

"totalAssetOfBtc": "4.33333333",

"totalLiabilityOfBtc": "2.11111112",

"totalNetAssetOfBtc": "2.22222221",

"subAccountList":[

{

"email":"123@test.com",

"totalAssetOfBtc": "2.11111111",

"totalLiabilityOfBtc": "1.11111111",

"totalNetAssetOfBtc": "1.00000000"

},

{

"email":"345@test.com",

"totalAssetOfBtc": "2.22222222",

"totalLiabilityOfBtc": "1.00000001",

"totalNetAssetOfBtc": "1.22222221"

}

]

}

GET /sapi/v1/sub-account/margin/accountSummary

**Weight(IP):** 10

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Enable Futures for Sub-account (For Master Account)

**Response**

{

"email":"123@test.com",

"isFuturesEnabled": true // true or false

}

POST /sapi/v1/sub-account/futures/enable

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| email | STRING | YES | [Sub-account email](https://binance-docs.github.io/apidocs/spot/en/#email-address) |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Get Detail on Sub-account's Futures Account (For Master Account)

**Response**

{

"email": "abc@test.com",

"asset": "USDT",

"assets":[

{

"asset": "USDT",

"initialMargin": "0.00000000",

"maintenanceMargin": "0.00000000",

"marginBalance": "0.88308000",

"maxWithdrawAmount": "0.88308000",

"openOrderInitialMargin": "0.00000000",

"positionInitialMargin": "0.00000000",

"unrealizedProfit": "0.00000000",

"walletBalance": "0.88308000"

}

],

"canDeposit": true,

"canTrade": true,

"canWithdraw": true,

"feeTier": 2,

"maxWithdrawAmount": "0.88308000",

"totalInitialMargin": "0.00000000",

"totalMaintenanceMargin": "0.00000000",

"totalMarginBalance": "0.88308000",

"totalOpenOrderInitialMargin": "0.00000000",

"totalPositionInitialMargin": "0.00000000",

"totalUnrealizedProfit": "0.00000000",

"totalWalletBalance": "0.88308000",

"updateTime": 1576756674610

}

GET /sapi/v1/sub-account/futures/account

**Weight(IP):** 10

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| email | STRING | YES | [Sub-account email](https://binance-docs.github.io/apidocs/spot/en/#email-address) |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Get Summary of Sub-account's Futures Account (For Master Account)

**Response**

{

"totalInitialMargin": "9.83137400",

"totalMaintenanceMargin": "0.41568700",

"totalMarginBalance": "23.03235621",

"totalOpenOrderInitialMargin": "9.00000000",

"totalPositionInitialMargin": "0.83137400",

"totalUnrealizedProfit": "0.03219710",

"totalWalletBalance": "22.15879444",

"asset": "USD",

"subAccountList":[

{

"email": "123@test.com",

"totalInitialMargin": "9.00000000",

"totalMaintenanceMargin": "0.00000000",

"totalMarginBalance": "22.12659734",

"totalOpenOrderInitialMargin": "9.00000000",

"totalPositionInitialMargin": "0.00000000",

"totalUnrealizedProfit": "0.00000000",

"totalWalletBalance": "22.12659734",

"asset": "USD"

},

{

"email": "345@test.com",

"totalInitialMargin": "0.83137400",

"totalMaintenanceMargin": "0.41568700",

"totalMarginBalance": "0.90575887",

"totalOpenOrderInitialMargin": "0.00000000",

"totalPositionInitialMargin": "0.83137400",

"totalUnrealizedProfit": "0.03219710",

"totalWalletBalance": "0.87356177",

"asset": "USD"

}

]

}

GET /sapi/v1/sub-account/futures/accountSummary

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Get Futures Position-Risk of Sub-account (For Master Account)

**Response**

[

{

"entryPrice": "9975.12000",

"leverage": "50", // current initial leverage

"maxNotional": "1000000", // notional value limit of current initial leverage

"liquidationPrice": "7963.54",

"markPrice": "9973.50770517",

"positionAmount": "0.010",

"symbol": "BTCUSDT",

"unrealizedProfit": "-0.01612295"

}

]

GET /sapi/v1/sub-account/futures/positionRisk

**Weight(IP):** 10

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| email | STRING | YES | [Sub-account email](https://binance-docs.github.io/apidocs/spot/en/#email-address) |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Futures Transfer for Sub-account (For Master Account)

**Response**

{

"txnId":"2966662589"

}

POST /sapi/v1/sub-account/futures/transfer

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| email | STRING | YES | [Sub-account email](https://binance-docs.github.io/apidocs/spot/en/#email-address) |
| asset | STRING | YES | The asset being transferred, e.g., USDT |
| amount | DECIMAL | YES | The amount to be transferred |
| type | INT | YES | 1: transfer from subaccount's spot account to its USDT-margined futures account 2: transfer from subaccount's USDT-margined futures account to its spot account 3: transfer from subaccount's spot account to its COIN-margined futures account 4:transfer from subaccount's COIN-margined futures account to its spot account |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* You need to open Enable Spot & Margin Trading permission for the API Key which requests this endpoint.

## Margin Transfer for Sub-account (For Master Account)

**Response**

{

"txnId":"2966662589"

}

POST /sapi/v1/sub-account/margin/transfer

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| email | STRING | YES | [Sub-account email](https://binance-docs.github.io/apidocs/spot/en/#email-address) |
| asset | STRING | YES | The asset being transferred, e.g., BTC |
| amount | DECIMAL | YES | The amount to be transferred |
| type | INT | YES | 1: transfer from subaccount's spot account to margin account 2: transfer from subaccount's margin account to its spot account |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* You need to open Enable Spot & Margin Trading permission for the API Key which requests this endpoint.

## Transfer to Sub-account of Same Master (For Sub-account)

**Response**

{

"txnId":"2966662589"

}

POST /sapi/v1/sub-account/transfer/subToSub

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| toEmail | STRING | YES | [Sub-account email](https://binance-docs.github.io/apidocs/spot/en/#email-address) |
| asset | STRING | YES |  |
| amount | DECIMAL | YES |  |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* You need to open Enable Spot & Margin Trading permission for the API Key which requests this endpoint.

## Transfer to Master (For Sub-account)

**Response**

{

"txnId":"2966662589"

}

POST /sapi/v1/sub-account/transfer/subToMaster

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| asset | STRING | YES |  |
| amount | DECIMAL | YES |  |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* You need to open Enable Spot & Margin Trading permission for the API Key which requests this endpoint.

## Sub-account Transfer History (For Sub-account)

**Response**

[

{

"counterParty":"master",

"email":"master@test.com",

"type":1, // 1 for transfer in, 2 for transfer out

"asset":"BTC",

"qty":"1",

"fromAccountType":"SPOT",

"toAccountType":"SPOT",

"status":"SUCCESS", // status: PROCESS / SUCCESS / FAILURE

"tranId":11798835829,

"time":1544433325000

},

{

"counterParty":"subAccount",

"email":"sub2@test.com",

"type":1,

"asset":"ETH",

"qty":"2",

"fromAccountType":"SPOT",

"toAccountType":"COIN\_FUTURE",

"status":"SUCCESS",

"tranId":11798829519,

"time":1544433326000

}

]

GET /sapi/v1/sub-account/transfer/subUserHistory

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| asset | STRING | NO | If not sent, result of all assets will be returned |
| type | INT | NO | 1: transfer in, 2: transfer out |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| limit | INT | NO | Default 500 |
| returnFailHistory | BOOLEAN | NO | Default False, return PROCESS and SUCCESS status history; If True,return PROCESS and SUCCESS and FAILURE status history |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* If type is not sent, the records of type 2: transfer out will be returned by default.
* If startTime and endTime are not sent, the recent 30-day data will be returned.

## Universal Transfer (For Master Account)

**Response**

{

"tranId":11945860693,

"clientTranId":"test"

}

POST /sapi/v1/sub-account/universalTransfer

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| fromEmail | STRING | NO |  |
| toEmail | STRING | NO |  |
| fromAccountType | STRING | YES | "SPOT","USDT\_FUTURE","COIN\_FUTURE","MARGIN"(Cross),"ISOLATED\_MARGIN" |
| toAccountType | STRING | YES | "SPOT","USDT\_FUTURE","COIN\_FUTURE","MARGIN"(Cross),"ISOLATED\_MARGIN" |
| clientTranId | STRING | NO | Must be unique |
| symbol | STRING | NO | Only supported under ISOLATED\_MARGIN type |
| asset | STRING | YES |  |
| amount | DECIMAL | YES |  |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* You need to enable "internal transfer" option for the api key which requests this endpoint.
* Transfer from master account by default if fromEmail is not sent.
* Transfer to master account by default if toEmail is not sent.
* At least either fromEmail or toEmail need to be sent when the fromAccountType and the toAccountType are the same.
* Supported transfer scenarios:
  + SPOT transfer to SPOT, USDT\_FUTURE, COIN\_FUTURE (regardless of master or sub)
  + SPOT, USDT\_FUTURE, COIN\_FUTURE transfer to SPOT (regardless of master or sub)
  + Master account SPOT transfer to sub-account MARGIN(Cross), ISOLATED\_MARGIN
  + Sub-account MARGIN(Cross), ISOLATED\_MARGIN transfer to master account SPOT
  + Sub-account MARGIN(Cross) transfer to Sub-account MARGIN(Cross)

## Query Universal Transfer History (For Master Account)

**Response**

{

"result": [

{

"tranId": 92275823339,

"fromEmail": "abctest@gmail.com",

"toEmail": "deftest@gmail.com",

"asset": "BNB",

"amount": "0.01",

"createTimeStamp": 1640317374000,

"fromAccountType": "USDT\_FUTURE",

"toAccountType": "SPOT",

"status": "SUCCESS",

"clientTranId": "test"

}

],

"totalCount": 1

}

GET /sapi/v1/sub-account/universalTransfer

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| fromEmail | STRING | NO |  |
| toEmail | STRING | NO |  |
| clientTranId | STRING | NO |  |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| page | INT | NO | Default 1 |
| limit | INT | NO | Default 500, Max 500 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* fromEmail and toEmail cannot be sent at the same time.
* Return fromEmail equal master account email by default.
* The query time period must be less then 30 days.
* If startTime and endTime not sent, return records of the last 30 days by default.

## Get Detail on Sub-account's Futures Account V2 (For Master Account)

**Response**

USDT Margined Futures：

{

"futureAccountResp": {

"email": "abc@test.com",

"assets":[

{

"asset": "USDT",

"initialMargin": "0.00000000",

"maintenanceMargin": "0.00000000",

"marginBalance": "0.88308000",

"maxWithdrawAmount": "0.88308000",

"openOrderInitialMargin": "0.00000000",

"positionInitialMargin": "0.00000000",

"unrealizedProfit": "0.00000000",

"walletBalance": "0.88308000"

}

],

"canDeposit": true,

"canTrade": true,

"canWithdraw": true,

"feeTier": 2,

"maxWithdrawAmount": "0.88308000",

"totalInitialMargin": "0.00000000",

"totalMaintenanceMargin": "0.00000000",

"totalMarginBalance": "0.88308000",

"totalOpenOrderInitialMargin": "0.00000000",

"totalPositionInitialMargin": "0.00000000",

"totalUnrealizedProfit": "0.00000000",

"totalWalletBalance": "0.88308000",

"updateTime": 1576756674610

}

}

COIN Margined Futures：

{

"deliveryAccountResp": {

"email": "abc@test.com",

"assets":[

{

"asset": "BTC",

"initialMargin": "0.00000000",

"maintenanceMargin": "0.00000000",

"marginBalance": "0.88308000",

"maxWithdrawAmount": "0.88308000",

"openOrderInitialMargin": "0.00000000",

"positionInitialMargin": "0.00000000",

"unrealizedProfit": "0.00000000",

"walletBalance": "0.88308000"

}

],

"canDeposit": true,

"canTrade": true,

"canWithdraw": true,

"feeTier": 2,

"updateTime": 1598959682001

}

}

GET /sapi/v2/sub-account/futures/account

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| email | STRING | YES | [Sub-account email](https://binance-docs.github.io/apidocs/spot/en/#email-address) |
| futuresType | INT | YES | 1:USDT Margined Futures, 2:COIN Margined Futures |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Get Summary of Sub-account's Futures Account V2 (For Master Account)

**Response**

USDT Margined Futures：

{

"futureAccountSummaryResp": {

"totalInitialMargin": "9.83137400",

"totalMaintenanceMargin": "0.41568700",

"totalMarginBalance": "23.03235621",

"totalOpenOrderInitialMargin": "9.00000000",

"totalPositionInitialMargin": "0.83137400",

"totalUnrealizedProfit": "0.03219710",

"totalWalletBalance": "22.15879444",

"asset": "USD",

"subAccountList":[

{

"email": "123@test.com",

"totalInitialMargin": "9.00000000",

"totalMaintenanceMargin": "0.00000000",

"totalMarginBalance": "22.12659734",

"totalOpenOrderInitialMargin": "9.00000000",

"totalPositionInitialMargin": "0.00000000",

"totalUnrealizedProfit": "0.00000000",

"totalWalletBalance": "22.12659734",

"asset": "USD"

},

{

"email": "345@test.com",

"totalInitialMargin": "0.83137400",

"totalMaintenanceMargin": "0.41568700",

"totalMarginBalance": "0.90575887",

"totalOpenOrderInitialMargin": "0.00000000",

"totalPositionInitialMargin": "0.83137400",

"totalUnrealizedProfit": "0.03219710",

"totalWalletBalance": "0.87356177",

"asset": "USD"

}

]

}

}

COIN Margined Futures：

{

"deliveryAccountSummaryResp": {

"totalMarginBalanceOfBTC": "25.03221121",

"totalUnrealizedProfitOfBTC": "0.12233410",

"totalWalletBalanceOfBTC": "22.15879444",

"asset": "BTC",

"subAccountList":[

{

"email": "123@test.com",

"totalMarginBalance": "22.12659734",

"totalUnrealizedProfit": "0.00000000",

"totalWalletBalance": "22.12659734",

"asset": "BTC"

},

{

"email": "345@test.com",

"totalMarginBalance": "0.90575887",

"totalUnrealizedProfit": "0.03219710",

"totalWalletBalance": "0.87356177",

"asset": "BTC"

}

]

}

}

GET /sapi/v2/sub-account/futures/accountSummary

**Weight(IP):** 10

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| futuresType | INT | YES | 1:USDT Margined Futures, 2:COIN Margined Futures |
| page | INT | NO | default:1 |
| limit | INT | NO | default:10, max:20 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Get Futures Position-Risk of Sub-account V2 (For Master Account)

**Response**

USDT Margined Futures：

{

"futurePositionRiskVos": [

{

"entryPrice": "9975.12000",

"leverage": "50", // current initial leverage

"maxNotional": "1000000", // notional value limit of current initial leverage

"liquidationPrice": "7963.54",

"markPrice": "9973.50770517",

"positionAmount": "0.010",

"symbol": "BTCUSDT",

"unrealizedProfit": "-0.01612295"

}

]

}

COIN Margined Futures：

{

"deliveryPositionRiskVos": [

{

"entryPrice": "9975.12000",

"markPrice": "9973.50770517",

"leverage": "20",

"isolated": "false",

"isolatedWallet": "9973.50770517",

"isolatedMargin": "0.00000000",

"isAutoAddMargin": "false",

"positionSide": "BOTH",

"positionAmount": "1.230",

"symbol": "BTCUSD\_201225",

"unrealizedProfit": "-0.01612295"

}

]

}

GET /sapi/v2/sub-account/futures/positionRisk

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| email | STRING | YES | [Sub-account email](https://binance-docs.github.io/apidocs/spot/en/#email-address) |
| futuresType | INT | YES | 1:USDT Margined Futures, 2:COIN Margined Futures |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Get IP Restriction for a Sub-account API Key (For Master Account)

**Response:**

{

"ipRestrict": "true",

"ipList": [

"69.210.67.14",

"8.34.21.10"

],

"updateTime": 1636371437000,

"apiKey": "k5V49ldtn4tszj6W3hystegdfvmGbqDzjmkCtpTvC0G74WhK7yd4rfCTo4lShf"

}

GET /sapi/v1/sub-account/subAccountApi/ipRestriction

**Weight(UID):** 3000

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| email | STRING | YES | [Sub-account email](https://binance-docs.github.io/apidocs/spot/en/#email-address) |
| subAccountApiKey | STRING | YES |  |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Delete IP List For a Sub-account API Key (For Master Account)

**Response:**

{

"ipRestrict": "true",

"ipList": [

"69.210.67.14",

"8.34.21.10"

],

"updateTime": 1636371437000,

"apiKey": "k5V49ldtn4tszj6W3hystegdfvmGbqDzjmkCtpTvC0G74WhK7yd4rfCTo4lShf"

}

DELETE /sapi/v1/sub-account/subAccountApi/ipRestriction/ipList

**Weight(UID):** 3000

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| email | STRING | YES | [Sub-account email](https://binance-docs.github.io/apidocs/spot/en/#email-address) |
| subAccountApiKey | STRING | YES |  |
| ipAddress | STRING | NO | Can be added in batches, separated by commas |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* You need to enable Enable Spot & Margin Trading option for the api key which requests this endpoint

## Add IP Restriction for Sub-Account API key (For Master Account)

**Response:**

{

"status": "2",

"ipList": [

"69.210.67.14",

"8.34.21.10", //only return if you open IP restriction and input IP address.

],

"updateTime": 1636371437000,

"apiKey": "k5V49ldtn4tszj6W3hystegdfvmGbqDzjmkCtpTvC0G74WhK7yd4rfCTo4lShf"

}

POST /sapi/v2/sub-account/subAccountApi/ipRestriction

**Weight(UID):** 3000

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| email | STRING | YES | Sub-account email |
| subAccountApiKey | STRING | YES |  |
| status | STRING | YES | IP Restriction status. 1 = IP Unrestricted. 2 = Restrict access to trusted IPs only. |
| ipAddress | STRING | NO | Insert static IP in batch, separated by commas. |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* You need to enable Enable Spot & Margin Trading option for the api key which requests this endpoint

## Deposit Assets Into The Managed Sub-account（For Investor Master Account）

**Response**

{

"tranId":66157362489

}

POST /sapi/v1/managed-subaccount/deposit

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| toEmail | STRING | YES |  |
| asset | STRING | YES |  |
| amount | DECIMAL | YES |  |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* You need to enable Enable Spot & Margin Trading option for the api key which requests this endpoint

## Query Managed Sub-account Asset Details（For Investor Master Account）

**Response**

[

{

"coin": "INJ",

"name": "Injective Protocol",

"totalBalance": "0",

"availableBalance": "0",

"inOrder": "0",

"btcValue": "0"

},

{

"coin": "FILDOWN",

"name": "FILDOWN",

"totalBalance": "0",

"availableBalance": "0",

"inOrder": "0",

"btcValue": "0"

}

]

GET /sapi/v1/managed-subaccount/asset

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| email | STRING | YES |  |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Withdrawl Assets From The Managed Sub-account（For Investor Master Account）

**Response**

{

"tranId":66157362489

}

POST /sapi/v1/managed-subaccount/withdraw

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| fromEmail | STRING | YES |  |
| asset | STRING | YES |  |
| amount | DECIMAL | YES |  |
| transferDate | LONG | NO | Withdrawals is automatically occur on the transfer date(UTC0). If a date is not selected, the withdrawal occurs right now |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* You need to enable Enable Spot & Margin Trading option for the api key which requests this endpoint

## Query Managed Sub-account Snapshot（For Investor Master Account）

**Response:**

{

"code":200, // 200 for success; others are error codes

"msg":"", // error message

"snapshotVos":[

{

"data":{

"balances":[

{

"asset":"BTC",

"free":"0.09905021",

"locked":"0.00000000"

},

{

"asset":"USDT",

"free":"1.89109409",

"locked":"0.00000000"

}

],

"totalAssetOfBtc":"0.09942700"

},

"type":"spot",

"updateTime":1576281599000

}

]

}

OR

{

"code":200, // 200 for success; others are error codes

"msg":"", // error message

"snapshotVos":[

{

"data":{

"marginLevel":"2748.02909813",

"totalAssetOfBtc":"0.00274803",

"totalLiabilityOfBtc":"0.00000100",

"totalNetAssetOfBtc":"0.00274750",

"userAssets":[

{

"asset":"XRP",

"borrowed":"0.00000000",

"free":"1.00000000",

"interest":"0.00000000",

"locked":"0.00000000",

"netAsset":"1.00000000"

}

]

},

"type":"margin",

"updateTime":1576281599000

}

]

}

OR

{

"code":200, // 200 for success; others are error codes

"msg":"", // error message

"snapshotVos":[

{

"data":{

"assets":[

{

"asset":"USDT",

"marginBalance":"118.99782335",

"walletBalance":"120.23811389"

}

],

"position":[

{

"entryPrice":"7130.41000000",

"markPrice":"7257.66239673",

"positionAmt":"0.01000000",

"symbol":"BTCUSDT",

"unRealizedProfit":"1.24029054" // Only show the value at the time of opening the position

}

]

},

"type":"futures",

"updateTime":1576281599000

}

]

}

GET /sapi/v1/managed-subaccount/accountSnapshot

**Weight(IP):** 2400

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| email | STRING | YES |  |
| type | STRING | YES | "SPOT", "MARGIN"（cross）, "FUTURES"（UM） |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| limit | INT | NO | min 7, max 30, default 7 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* The query time period must be less then 30 days
* Support query within the last one month only
* If startTimeand endTime not sent, return records of the last 7 days by default

## Query Managed Sub Account Transfer Log (For Investor Master Account) (USER\_DATA)

**Response**

{

managerSubTransferHistoryVos: [

{

fromEmail: "test\_0\_virtual@kq3kno9imanagedsub.com"

fromAccountType: "SPOT"

toEmail: "wdywl0lddakh@test.com"

toAccountType: "SPOT"

asset: "BNB"

amount: "0.01"

scheduledData: 1679416673000

createTime: 1679416673000

status: "SUCCESS"

tranId: 91077779

},

{

fromEmail: "wdywl0lddakh@test.com"

fromAccountType: "SPOT"

toEmail: "test\_0\_virtual@kq3kno9imanagedsub.com"

toAccountType: "SPOT"

asset: "BNB"

amount: "1"

scheduledData: 1679416616000

createTime: 1679416616000

status: "SUCCESS"

tranId: 91077676

}

]

count: 2

}

GET /sapi/v1/managed-subaccount/queryTransLogForInvestor

Investor can use this api to query managed sub account transfer log. This endpoint is available for investor of Managed Sub-Account. A Managed Sub-Account is an account type for investors who value flexibility in asset allocation and account application, while delegating trades to a professional trading team. Please refer to [link](https://www.binance.com/en/support/faq/how-to-get-started-with-managed-sub-account-functions-and-frequently-asked-questions-0594748722704383a7c369046e489459)

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| email | STRING | YES | Managed Sub Account Email |
| startTime | LONG | YES | Start Time |
| endTime | LONG | YES | End Time (The start time and end time interval cannot exceed half a year) |
| page | INT | YES | Page |
| limit | INT | YES | Limit (Max: 500) |
| transfers | STRING | NO | Transfer Direction (from/to) |
| transferFunctionAccountType | STRING | NO | Transfer function account type (SPOT/MARGIN/ISOLATED\_MARGIN/USDT\_FUTURE/COIN\_FUTURE) |

## Query Managed Sub Account Transfer Log (For Trading Team Master Account) (USER\_DATA)

**Response**

{

managerSubTransferHistoryVos: [

{

fromEmail: "test\_0\_virtual@kq3kno9imanagedsub.com"

fromAccountType: "SPOT"

toEmail: "wdywl0lddakh@test.com"

toAccountType: "SPOT"

asset: "BNB"

amount: "0.01"

scheduledData: 1679416673000

createTime: 1679416673000

status: "SUCCESS"

tranId: 91077779

},

{

fromEmail: "wdywl0lddakh@test.com"

fromAccountType: "SPOT"

toEmail: "test\_0\_virtual@kq3kno9imanagedsub.com"

toAccountType: "SPOT"

asset: "BNB"

amount: "1"

scheduledData: 1679416616000

createTime: 1679416616000

status: "SUCCESS"

tranId: 91077676

}

]

count: 2

}

GET /sapi/v1/managed-subaccount/queryTransLogForTradeParent

Trading team can use this api to query managed sub account transfer log. This endpoint is available for trading team of Managed Sub-Account. A Managed Sub-Account is an account type for investors who value flexibility in asset allocation and account application, while delegating trades to a professional trading team. Please refer to [link](https://www.binance.com/en/support/faq/how-to-get-started-with-managed-sub-account-functions-and-frequently-asked-questions-0594748722704383a7c369046e489459)

**Weight(UID):** 60

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| email | STRING | YES | Managed Sub Account Email |
| startTime | LONG | YES | Start Time |
| endTime | LONG | YES | End Time (The start time and end time interval cannot exceed half a year) |
| page | INT | YES | Page |
| limit | INT | YES | Limit (Max: 500) |
| transfers | STRING | NO | Transfer Direction (FROM/TO) |
| transferFunctionAccountType | STRING | NO | Transfer function account type (SPOT/MARGIN/ISOLATED\_MARGIN/USDT\_FUTURE/COIN\_FUTURE) |

## Query Managed Sub-account Futures Asset Details（For Investor Master Account）(USER\_DATA)

**Response**

{

"code": "200",

"message": "OK",

"snapshotVos": [

{

"type": "FUTURES",

"updateTime": 1672893855394,

"data": {

"assets": [

{

"asset": "USDT",

"marginBalance": 100,

"walletBalance": 120

}

],

"position": [

{

"symbol": "BTCUSDT",

"entryPrice": 17000,

"markPrice": 17000,

"positionAmt": 0.0001

}

]

}

}

]

}

GET /sapi/v1/managed-subaccount/fetch-future-asset

Investor can use this api to query managed sub account futures asset details

**Weight(UID):** 60

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| email | STRING | YES | Managed Sub Account Email |

## Query Managed Sub-account Margin Asset Details (For Investor Master Account) (USER\_DATA)

**Response**

{

marginLevel:"999"

totalAssetOfBtc:"0"

totalLiabilityOfBtc:"0"

totalNetAssetOfBtc:"0"

userAssets:[

0:{

asset:"MATIC"

borrowed:"0"

free:"0"

interest:"0"

locked:"0"

netAsset:"0"

}

1:{

asset:"VET"

borrowed:"0"

free:"0"

interest:"0"

locked:"0"

netAsset:"0"

}

2:{

asset:"BAKE"

borrowed:"0"

free:"0"

interest:"0"

locked:"0"

netAsset:"0"

}

3:{

asset:"SHIB"

borrowed:"0"

free:"0"

interest:"0"

locked:"0"

netAsset:"0"

}

4:{

asset:"USDT"

borrowed:"0"

free:"0"

interest:"0"

locked:"0"

netAsset:"0"

}

5:{

asset:"DOGE"

borrowed:"0"

free:"0"

interest:"0"

locked:"0"

netAsset:"0"

}

6:{

asset:"AAVE"

borrowed:"0"

free:"0"

interest:"0"

locked:"0"

netAsset:"0"

}

7:{

asset:"ONT"

borrowed:"0"

free:"0"

interest:"0"

locked:"0"

netAsset:"0"

}

8:{

asset:"XRP"

borrowed:"0"

free:"0"

interest:"0"

locked:"0"

netAsset:"0"

}

9:{

asset:"XLM"

borrowed:"0"

free:"0"

interest:"0"

locked:"0"

netAsset:"0"

}

10:{

asset:"LINK"

borrowed:"0"

free:"0"

interest:"0"

locked:"0"

netAsset:"0"

}

11:{

asset:"QTUM"

borrowed:"0"

free:"0"

interest:"0"

locked:"0"

netAsset:"0"

}

12:{

asset:"ETHW"

borrowed:"0"

free:"0"

interest:"0"

locked:"0"

netAsset:"0"

}

13:{

asset:"XTZ"

borrowed:"0"

free:"0"

interest:"0"

locked:"0"

netAsset:"0"

}

14:{

asset:"LUNA"

borrowed:"0"

free:"0"

interest:"0"

locked:"0"

netAsset:"0"

}

15:{

asset:"EUR"

borrowed:"0"

free:"0"

interest:"0"

locked:"0"

netAsset:"0"

}

16:{

asset:"IOST"

borrowed:"0"

free:"0"

interest:"0"

locked:"0"

netAsset:"0"

}

17:{

asset:"BCH"

borrowed:"0"

free:"0"

interest:"0"

locked:"0"

netAsset:"0"

}

18:{

asset:"BTC"

borrowed:"0"

free:"0"

interest:"0"

locked:"0"

netAsset:"0"

}

19:{

asset:"IOTA"

borrowed:"0"

free:"0"

interest:"0"

locked:"0"

netAsset:"0"

}

20:{

asset:"CREAM"

borrowed:"0"

free:"0"

interest:"0"

locked:"0"

netAsset:"0"

}

21:{

asset:"BAT"

borrowed:"0"

free:"0"

interest:"0"

locked:"0"

netAsset:"0"

}

22:{

asset:"BNB"

borrowed:"0"

free:"0"

interest:"0"

locked:"0"

netAsset:"0"

}

23:{

asset:"ETH"

borrowed:"0"

free:"0"

interest:"0"

locked:"0"

netAsset:"0"

}

24:{

asset:"ZEC"

borrowed:"0"

free:"0"

interest:"0"

locked:"0"

netAsset:"0"

}

25:{

asset:"USDC"

borrowed:"0"

free:"0"

interest:"0"

locked:"0"

netAsset:"0"

}

26:{

asset:"LTC"

borrowed:"0"

free:"0"

interest:"0"

locked:"0"

netAsset:"0"

}

27:{

asset:"BUSD"

borrowed:"0"

free:"0"

interest:"0"

locked:"0"

netAsset:"0"

}

28:{

asset:"ZIL"

borrowed:"0"

free:"0"

interest:"0"

locked:"0"

netAsset:"0"

}

29:{

asset:"THETA"

borrowed:"0"

free:"0"

interest:"0"

locked:"0"

netAsset:"0"

}

]

}

GET /sapi/v1/managed-subaccount/marginAsset

Investor can use this api to query managed sub account margin asset details

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| email | STRING | YES | Managed Sub Account Email |

## Query Sub-account Assets (For Master Account)(USER\_DATA)

**Response**

{

    "balances":[

        {

            "asset":"ADA",

            "free":"10000",

            "locked":"0"

        },

        {

            "asset":"BNB",

            "free":"10003",

            "locked":"0"

        },

        {

            "asset":"BTC",

            "free":"11467.6399",

            "locked":"0"

        }

    ]

}

GET /sapi/v4/sub-account/assets

Fetch sub-account assets

**Weight(UID):** 60

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| email | STRING | YES | Managed Sub Account Email |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Query Managed Sub-account List (For Investor)(USER\_DATA)

**Response**

{

total: 3

managerSubUserInfoVoList: [

0: {

rootUserId: 1000138475670

managersubUserId: 1000137842513

bindParentUserId: 1000138475669

email: "test\_0\_virtual@kq3kno9imanagedsub.com"

insertTimeStamp: 1678435149000

bindParentEmail: "wdyw8xsh8pey@test.com"

isSubUserEnabled: true

isUserActive: true

isMarginEnabled: false

isFutureEnabled: false

isSignedLVTRiskAgreement: false

}

1: {

rootUserId: 1000138475670

managersubUserId: 1000137842514

bindParentUserId: 1000138475669

email: "test\_1\_virtual@4qd2u7zxmanagedsub.com"

insertTimeStamp: 1678435152000

bindParentEmail: "wdyw8xsh8pey@test.com"

isSubUserEnabled: true

isUserActive: true

isMarginEnabled: false

isFutureEnabled: false

isSignedLVTRiskAgreement: false

}

2: {

rootUserId: 1000138475670

managersubUserId: 1000137842515

bindParentUserId: 1000138475669

email: "test\_2\_virtual@akc05o8hmanagedsub.com"

insertTimeStamp: 1678435153000

bindParentEmail: "wdyw8xsh8pey@test.com"

isSubUserEnabled: true

isUserActive: true

isMarginEnabled: false

isFutureEnabled: false

isSignedLVTRiskAgreement: false

}

]

}

GET /sapi/v1/managed-subaccount/info

Get investor's managed sub-account list.

**Weight(UID):** 60

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| email | STRING | NO | Managed sub-account email |
| page | INT | NO | Default value: 1 |
| limit | INT | NO | Default value: 20, Max value: 20 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Query Sub-account Transaction Statistics (For Master Account) (USER\_DATA)

**Response example:**

{

"recent30BtcTotal": "0",

"recent30BtcFuturesTotal": "0",

"recent30BtcMarginTotal": "0",

"recent30BusdTotal": "0",

"recent30BusdFuturesTotal": "0",

"recent30BusdMarginTotal": "0",

"tradeInfoVos": []

}

OR

{

"recent30BtcTotal": "0",

"recent30BtcFuturesTotal": "0",

"recent30BtcMarginTotal": "0",

"recent30BusdTotal": "0",

"recent30BusdFuturesTotal": "0",

"recent30BusdMarginTotal": "0",

"tradeInfoVos": [

{

"userId": 1000138138384,

"btc": 0,

"btcFutures": 0,

"btcMargin": 0,

"busd": 0,

"busdFutures": 0,

"busdMargin": 0,

"date": 1676851200000

},

{

"userId": 1000138138384,

"btc": 0,

"btcFutures": 0,

"btcMargin": 0,

"busd": 0,

"busdFutures": 0,

"busdMargin": 0,

"date": 1677110400000

},

{

"userId": 1000138138384,

"btc": 0,

"btcFutures": 0,

"btcMargin": 0,

"busd": 0,

"busdFutures": 0,

"busdMargin": 0,

"date": 1677369600000

}

]

}

GET /sapi/v1/sub-account/transaction-statistics

Query Sub-account Transaction statistics (For Master Account).

**Weight(UID):** 60

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| email | STRING | YES | Sub user email |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Get Managed Sub-account Deposit Address (For Investor Master Account) (USER\_DATA)

**Response:**

{

"coin": "USDT",

"address": "0x206c22d833bb0bb2102da6b7c7d4c3eb14bcf73d",

"tag": "",

"url": "https://etherscan.io/address/0x206c22d833bb0bb2102da6b7c7d4c3eb14bcf73d"

}

GET /sapi/v1/managed-subaccount/deposit/address

Get investor's managed sub-account deposit address.

**Weight(UID):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| email | STRING | YES | Sub user email |
| coin | STRING | YES |  |
| network | STRING | NO | networks can be found in GET /sapi/v1/capital/deposit/address |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* If network is not send, return with default network of the coin.

## Enable Options for Sub-account (For Master Account)(USER\_DATA)

**Response:**

{

"email":"123@test.com",

"isEOptionsEnabled": true // true or false

}

POST /sapi/v1/sub-account/eoptions/enable

Enable Options for Sub-account (For Master Account).

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| email | STRING | YES | Sub user email |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Query Managed Sub Account Transfer Log (For Trading Team Sub Account)(USER\_DATA)

**Response:**

{

"managerSubTransferHistoryVos": [

{

"fromEmail": "test\_0\_virtual@kq3kno9imanagedsub.com",

"fromAccountType": "SPOT",

"toEmail": "wdywl0lddakh@test.com",

"toAccountType": "SPOT",

"asset": "BNB",

"amount": "0.01",

"scheduledData": 1679416673000,

"createTime": 1679416673000,

"status": "SUCCESS",

"tranId": 91077779

},

{

"fromEmail": "wdywl0lddakh@test.com",

"fromAccountType": "SPOT",

"toEmail": "test\_0\_virtual@kq3kno9imanagedsub.com",

"toAccountType": "SPOT",

"asset": "BNB",

"amount": "1",

"scheduledData": 1679416616000,

"createTime": 1679416616000,

"status": "SUCCESS",

"tranId": 91077676

}

],

"count": 2

}

GET /sapi/v1/managed-subaccount/query-trans-log

Query Managed Sub Account Transfer Log (For Trading Team Sub Account)

**Weight(UID):** 60

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| startTime | LONG | YES | Start Time |
| endTime | LONG | YES | End Time (The start time and end time interval cannot exceed half a year) |
| page | INT | YES | Page |
| limit | INT | YES | Limit (Max: 500) |
| transfers | STRING | NO | Transfer Direction (FROM/TO) |
| transferFunctionAccountType | STRING | NO | Transfer function account type (SPOT/MARGIN/ISOLATED\_MARGIN/USDT\_FUTURE/COIN\_FUTURE) |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

# Market Data Endpoints

## Test Connectivity

**Response:**

{}

GET /api/v3/ping

Test connectivity to the Rest API.

**Weight(IP):** 1

**Parameters:**

NONE

**Data Source:** Memory

## Check Server Time

**Response:**

{

"serverTime": 1499827319559

}

GET /api/v3/time

Test connectivity to the Rest API and get the current server time.

**Weight(IP):** 1

**Parameters:**

NONE

**Data Source:** Memory

## Exchange Information

**Response:**

{

"timezone": "UTC",

"serverTime": 1565246363776,

"rateLimits": [

{

//These are defined in the `ENUM definitions` section under `Rate Limiters (rateLimitType)`.

//All limits are optional

}

],

"exchangeFilters": [

//These are the defined filters in the `Filters` section.

//All filters are optional.

],

"symbols": [

{

"symbol": "ETHBTC",

"status": "TRADING",

"baseAsset": "ETH",

"baseAssetPrecision": 8,

"quoteAsset": "BTC",

"quotePrecision": 8,

"quoteAssetPrecision": 8,

"orderTypes": [

"LIMIT",

"LIMIT\_MAKER",

"MARKET",

"STOP\_LOSS",

"STOP\_LOSS\_LIMIT",

"TAKE\_PROFIT",

"TAKE\_PROFIT\_LIMIT"

],

"icebergAllowed": true,

"ocoAllowed": true,

"quoteOrderQtyMarketAllowed": true,

"allowTrailingStop": false,

"cancelReplaceAllowed": false,

"isSpotTradingAllowed": true,

"isMarginTradingAllowed": true,

"filters": [

//These are defined in the Filters section.

//All filters are optional

],

"permissions": [],

"permissionSets": [

[

"SPOT",

"MARGIN"

]

],

"defaultSelfTradePreventionMode": "NONE",

"allowedSelfTradePreventionModes": [

"NONE"

]

}

]

}

GET /api/v3/exchangeInfo

Current exchange trading rules and symbol information

**Weight(IP):** 20

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | No | Example: curl -X GET "https://api.binance.com/api/v3/exchangeInfo?symbol=BNBBTC" |
| symbols | ARRAY OF STRING | No | Examples: curl -X GET "https://api.binance.com/api/v3/exchangeInfo?symbols=%5B%22BNBBTC%22,%22BTCUSDT%22%5D"  or  curl -g -X GET 'https://api.binance.com/api/v3/exchangeInfo?symbols=["BTCUSDT","BNBBTC"]' |
| permissions | ENUM | No | Examples: curl -X GET "https://api.binance.com/api/v3/exchangeInfo?permissions=SPOT"  or  curl -X GET "https://api.binance.com/api/v3/exchangeInfo?permissions=%5B%22MARGIN%22%2C%22LEVERAGED%22%5D"  or  curl -g -X GET 'https://api.binance.com/api/v3/exchangeInfo?permissions=["MARGIN","LEVERAGED"]' |
| showPermissionSets | BOOLEAN | No | Controls whether the content of the permissionSets field is populated or not. Defaults to true. |
| symbolStatus | ENUM | No | Filters symbols that have this tradingStatus. Valid values: TRADING, HALT, BREAK  Cannot be used in combination with symbols or symbol. |

**Notes:**

* If the value provided to symbol or symbols do not exist, the endpoint will throw an error saying the symbol is invalid.
* All parameters are optional.
* permissions can support single or multiple values (e.g. SPOT, ["MARGIN","LEVERAGED"]). This cannot be used in combination with symbol or symbols.
* If permissions parameter not provided, all symbols that have either SPOT, MARGIN, or LEVERAGED permission will be exposed.
  + To display symbols with any permission you need to specify them explicitly in permissions: (e.g. ["SPOT","MARGIN",...].). See [Account and Symbol Permissions](https://binance-docs.github.io/apidocs/spot/en/#account-and-symbol-permissions) for the full list.

### Examples of Symbol Permissions Interpretation from the Response:

* [["A","B"]] means you may place an order if your account has either permission "A" **or** permission "B".
* [["A"],["B"]] means you can place an order if your account has permission "A" **and** permission "B".
* [["A"],["B","C"]] means you can place an order if your account has permission "A" **and** permission "B" or permission "C". (Inclusive or is applied here, not exclusive or, so your account may have both permission "B" and permission "C".)

**Data Source:** Memory

## Order Book

**Response:**

{

"lastUpdateId": 1027024,

"bids": [

[

"4.00000000", // PRICE

"431.00000000" // QTY

]

],

"asks": [

[

"4.00000200",

"12.00000000"

]

]

}

GET /api/v3/depth

**Weight(IP):**

Adjusted based on the limit:

| **Limit** | **Weight** |
| --- | --- |
| 1-100 | 5 |
| 101-500 | 25 |
| 501-1000 | 50 |
| 1001-5000 | 250 |

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES |  |
| limit | INT | NO | Default 100; max 5000.   If limit > 5000, then the response will truncate to 5000. |

**Data Source:** Memory

## Recent Trades List

**Response:**

[

{

"id": 28457,

"price": "4.00000100",

"qty": "12.00000000",

"quoteQty": "48.000012",

"time": 1499865549590,

"isBuyerMaker": true,

"isBestMatch": true

}

]

GET /api/v3/trades

Get recent trades.

**Weight(IP):** 25

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES |  |
| limit | INT | NO | Default 500; max 1000. |

**Data Source:** Memory

## Old Trade Lookup

**Response:**

[

{

"id": 28457,

"price": "4.00000100",

"qty": "12.00000000",

"quoteQty": "48.000012",

"time": 1499865549590, // Trade executed timestamp, as same as `T` in the stream

"isBuyerMaker": true,

"isBestMatch": true

}

]

GET /api/v3/historicalTrades

Get older market trades.

**Weight(IP):** 25

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES |  |
| limit | INT | NO | Default 500; max 1000. |
| fromId | LONG | NO | Trade id to fetch from. Default gets most recent trades. |

**Data Source:** Database

## Compressed/Aggregate Trades List

**Response:**

[

{

"a": 26129, // Aggregate tradeId

"p": "0.01633102", // Price

"q": "4.70443515", // Quantity

"f": 27781, // First tradeId

"l": 27781, // Last tradeId

"T": 1498793709153, // Timestamp

"m": true, // Was the buyer the maker?

"M": true // Was the trade the best price match?

}

]

GET /api/v3/aggTrades

Get compressed, aggregate trades. Trades that fill at the time, from the same order, with the same price will have the quantity aggregated.

**Weight(IP):** 2

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES |  |
| fromId | LONG | NO | id to get aggregate trades from INCLUSIVE. |
| startTime | LONG | NO | Timestamp in ms to get aggregate trades from INCLUSIVE. |
| endTime | LONG | NO | Timestamp in ms to get aggregate trades until INCLUSIVE. |
| limit | INT | NO | Default 500; max 1000. |

* If fromId, startTime, and endTime are not sent, the most recent aggregate trades will be returned.
* Note that if a trade has the following values, this was a duplicate aggregate trade and marked as invalid:
  + p = '0' // price
  + q = '0' // qty
  + f = -1 // ﬁrst\_trade\_id
  + l = -1 // last\_trade\_id

**Data Source:** Database

## Kline/Candlestick Data

**Response:**

[

[

1499040000000, // Kline open time

"0.01634790", // Open price

"0.80000000", // High price

"0.01575800", // Low price

"0.01577100", // Close price

"148976.11427815", // Volume

1499644799999, // Kline Close time

"2434.19055334", // Quote asset volume

308, // Number of trades

"1756.87402397", // Taker buy base asset volume

"28.46694368", // Taker buy quote asset volume

"0" // Unused field, ignore.

]

]

GET /api/v3/klines

Kline/candlestick bars for a symbol.  
Klines are uniquely identified by their open time.

**Weight(IP):** 2

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES |  |
| interval | ENUM | YES |  |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| timeZone | STRING | NO | Default: 0 (UTC) |
| limit | INT | NO | Default 500; max 1000. |

* If startTime and endTime are not sent, the most recent klines are returned.
* Supported values for timeZone:
  + Hours and minutes (e.g. -1:00, 05:45)
  + Only hours (e.g. 0, 8, 4)
  + Accepted range is strictly [-12:00 to +14:00] inclusive
* If timeZone provided, kline intervals are interpreted in that timezone instead of UTC.
* Note that startTime and endTime are always interpreted in UTC, regardless of timeZone.

**Data Source:** Database

## UIKlines

**Response:**

[

[

1499040000000, // Kline open time

"0.01634790", // Open price

"0.80000000", // High price

"0.01575800", // Low price

"0.01577100", // Close price

"148976.11427815", // Volume

1499644799999, // Kline close time

"2434.19055334", // Quote asset volume

308, // Number of trades

"1756.87402397", // Taker buy base asset volume

"28.46694368", // Taker buy quote asset volume

"0" // Unused field. Ignore.

]

]

GET /api/v3/uiKlines

The request is similar to klines having the same parameters and response.

uiKlines return modified kline data, optimized for presentation of candlestick charts.

**Weight:** 2

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES |  |
| interval | ENUM | YES |  |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| timeZone | STRING | NO | Default: 0 (UTC) |
| limit | INT | NO | Default 500; max 1000. |

* If startTime and endTime are not sent, the most recent klines are returned.
* Supported values for timeZone:
  + Hours and minutes (e.g. -1:00, 05:45)
  + Only hours (e.g. 0, 8, 4)
  + Accepted range is strictly [-12:00 to +14:00] inclusive
* If timeZone provided, kline intervals are interpreted in that timezone instead of UTC.
* Note that startTime and endTime are always interpreted in UTC, regardless of timeZone.

**Data Source:** Database

## Current Average Price

**Response:**

{

"mins": 5, // Average price interval (in minutes)

"price": "9.35751834", // Average price

"closeTime": 1694061154503 // Last trade time

}

GET /api/v3/avgPrice

Current average price for a symbol.

**Weight(IP):** 2

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES |  |

**Data Source:** Memory

## 24hr Ticker Price Change Statistics

**Response: - FULL**

{

"symbol": "BNBBTC",

"priceChange": "-94.99999800",

"priceChangePercent": "-95.960",

"weightedAvgPrice": "0.29628482",

"prevClosePrice": "0.10002000",

"lastPrice": "4.00000200",

"lastQty": "200.00000000",

"bidPrice": "4.00000000",

"bidQty": "100.00000000",

"askPrice": "4.00000200",

"askQty": "100.00000000",

"openPrice": "99.00000000",

"highPrice": "100.00000000",

"lowPrice": "0.10000000",

"volume": "8913.30000000",

"quoteVolume": "15.30000000",

"openTime": 1499783499040,

"closeTime": 1499869899040,

"firstId": 28385, // First tradeId

"lastId": 28460, // Last tradeId

"count": 76 // Trade count

}

OR

[

{

"symbol": "BNBBTC",

"priceChange": "-94.99999800",

"priceChangePercent": "-95.960",

"weightedAvgPrice": "0.29628482",

"prevClosePrice": "0.10002000",

"lastPrice": "4.00000200",

"lastQty": "200.00000000",

"bidPrice": "4.00000000",

"bidQty": "100.00000000",

"askPrice": "4.00000200",

"askQty": "100.00000000",

"openPrice": "99.00000000",

"highPrice": "100.00000000",

"lowPrice": "0.10000000",

"volume": "8913.30000000",

"quoteVolume": "15.30000000",

"openTime": 1499783499040,

"closeTime": 1499869899040,

"firstId": 28385, // First tradeId

"lastId": 28460, // Last tradeId

"count": 76 // Trade count

}

]

**Response - MINI**

{

"symbol": "BNBBTC", // Symbol Name

"openPrice": "99.00000000", // Opening price of the Interval

"highPrice": "100.00000000", // Highest price in the interval

"lowPrice": "0.10000000", // Lowest price in the interval

"lastPrice": "4.00000200", // Closing price of the interval

"volume": "8913.30000000", // Total trade volume (in base asset)

"quoteVolume": "15.30000000", // Total trade volume (in quote asset)

"openTime": 1499783499040, // Start of the ticker interval

"closeTime": 1499869899040, // End of the ticker interval

"firstId": 28385, // First tradeId considered

"lastId": 28460, // Last tradeId considered

"count": 76 // Total trade count

}

OR

[

{

"symbol": "BNBBTC",

"openPrice": "99.00000000",

"highPrice": "100.00000000",

"lowPrice": "0.10000000",

"lastPrice": "4.00000200",

"volume": "8913.30000000",

"quoteVolume": "15.30000000",

"openTime": 1499783499040,

"closeTime": 1499869899040,

"firstId": 28385,

"lastId": 28460,

"count": 76

},

{

"symbol": "LTCBTC",

"openPrice": "0.07000000",

"highPrice": "0.07000000",

"lowPrice": "0.07000000",

"lastPrice": "0.07000000",

"volume": "11.00000000",

"quoteVolume": "0.77000000",

"openTime": 1656908192899,

"closeTime": 1656994592899,

"firstId": 0,

"lastId": 10,

"count": 11

}

]

GET /api/v3/ticker/24hr

24 hour rolling window price change statistics. **Careful** when accessing this with no symbol.

**Weight(IP):**

| **Parameter** | **Symbols Provided** | **Weight** |
| --- | --- | --- |
| symbol | 1 | 2 |
| symbol parameter is omitted | 80 |
| symbols | 1-20 | 2 |
| 21-100 | 40 |
| 101 or more | 80 |
| symbols parameter is omitted | 80 |

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | NO | Parameter symbol and symbols cannot be used in combination.   If neither parameter is sent, tickers for all symbols will be returned in an array.     Examples of accepted format for the symbols parameter: ["BTCUSDT","BNBUSDT"]   or   %5B%22BTCUSDT%22,%22BNBUSDT%22%5D |
| symbols | STRING | NO |
| type | ENUM | NO | Supported values: FULL or MINI.   If none provided, the default is FULL |

**Data Source:** Memory

## Trading Day Ticker

**Response: - FULL**

{

"symbol": "BTCUSDT",

"priceChange": "-83.13000000", // Absolute price change

"priceChangePercent": "-0.317", // Relative price change in percent

"weightedAvgPrice": "26234.58803036", // quoteVolume / volume

"openPrice": "26304.80000000",

"highPrice": "26397.46000000",

"lowPrice": "26088.34000000",

"lastPrice": "26221.67000000",

"volume": "18495.35066000", // Volume in base asset

"quoteVolume": "485217905.04210480", // Volume in quote asset

"openTime": 1695686400000,

"closeTime": 1695772799999,

"firstId": 3220151555, // Trade ID of the first trade in the interval

"lastId": 3220849281, // Trade ID of the last trade in the interval

"count": 697727 // Number of trades in the interval

}

OR

[

{

"symbol": "BTCUSDT",

"priceChange": "-83.13000000",

"priceChangePercent": "-0.317",

"weightedAvgPrice": "26234.58803036",

"openPrice": "26304.80000000",

"highPrice": "26397.46000000",

"lowPrice": "26088.34000000",

"lastPrice": "26221.67000000",

"volume": "18495.35066000",

"quoteVolume": "485217905.04210480",

"openTime": 1695686400000,

"closeTime": 1695772799999,

"firstId": 3220151555,

"lastId": 3220849281,

"count": 697727

},

{

"symbol": "BNBUSDT",

"priceChange": "2.60000000",

"priceChangePercent": "1.238",

"weightedAvgPrice": "211.92276958",

"openPrice": "210.00000000",

"highPrice": "213.70000000",

"lowPrice": "209.70000000",

"lastPrice": "212.60000000",

"volume": "280709.58900000",

"quoteVolume": "59488753.54750000",

"openTime": 1695686400000,

"closeTime": 1695772799999,

"firstId": 672397461,

"lastId": 672496158,

"count": 98698

}

]

**Response: - MINI**

{

"symbol": "BTCUSDT",

"openPrice": "26304.80000000",

"highPrice": "26397.46000000",

"lowPrice": "26088.34000000",

"lastPrice": "26221.67000000",

"volume": "18495.35066000", // Volume in base asset

"quoteVolume": "485217905.04210480", // Volume in quote asset

"openTime": 1695686400000,

"closeTime": 1695772799999,

"firstId": 3220151555, // Trade ID of the first trade in the interval

"lastId": 3220849281, // Trade ID of the last trade in the interval

"count": 697727 // Number of trades in the interval

}

OR

[

{

"symbol": "BTCUSDT",

"openPrice": "26304.80000000",

"highPrice": "26397.46000000",

"lowPrice": "26088.34000000",

"lastPrice": "26221.67000000",

"volume": "18495.35066000",

"quoteVolume": "485217905.04210480",

"openTime": 1695686400000,

"closeTime": 1695772799999,

"firstId": 3220151555,

"lastId": 3220849281,

"count": 697727

},

{

"symbol": "BNBUSDT",

"openPrice": "210.00000000",

"highPrice": "213.70000000",

"lowPrice": "209.70000000",

"lastPrice": "212.60000000",

"volume": "280709.58900000",

"quoteVolume": "59488753.54750000",

"openTime": 1695686400000,

"closeTime": 1695772799999,

"firstId": 672397461,

"lastId": 672496158,

"count": 98698

}

]

GET /api/v3/ticker/tradingDay

Price change statistics for a trading day.

**Weight:**

4 for each requested symbol.   
  
The weight for this request will cap at 200 once the number of symbols in the request is more than 50.

**Parameters:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Mandatory** | **Description** |
| symbol | STRING | YES | Either symbol or symbols must be provided.  Examples of accepted format for the symbols parameter:  ["BTCUSDT","BNBUSDT"]  or %5B%22BTCUSDT%22,%22BNBUSDT%22%5D  The maximum number of symbols allowed in a request is 100. |
| symbols |
| timeZone | STRING | NO | Default: 0 (UTC) |
| type | ENUM | NO | Supported values: FULL or MINI.  If none provided, the default is FULL. |

**Notes:**

* Supported values for timeZone:
  + Hours and minutes (e.g. -1:00, 05:45)
  + Only hours (e.g. 0, 8, 4)

**Data Source:** Database

## Symbol Price Ticker

**Response:**

{

"symbol": "LTCBTC",

"price": "4.00000200"

}

OR

[

{

"symbol": "LTCBTC",

"price": "4.00000200"

},

{

"symbol": "ETHBTC",

"price": "0.07946600"

}

]

GET /api/v3/ticker/price

Latest price for a symbol or symbols.

**Weight(IP):**

| **Parameter** | **Symbols Provided** | **Weight** |
| --- | --- | --- |
| symbol | 1 | 2 |
| symbol parameter is omitted | 4 |
| symbols | Any | 4 |

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | NO | Parameter symbol and symbols cannot be used in combination.   If neither parameter is sent, prices for all symbols will be returned in an array.     Examples of accepted format for the symbols parameter: ["BTCUSDT","BNBUSDT"]   or   %5B%22BTCUSDT%22,%22BNBUSDT%22%5D |
| symbols | STRING | NO |

**Data Source:** Memory

## Symbol Order Book Ticker

**Response:**

{

"symbol": "LTCBTC",

"bidPrice": "4.00000000",

"bidQty": "431.00000000",

"askPrice": "4.00000200",

"askQty": "9.00000000"

}

OR

[

{

"symbol": "LTCBTC",

"bidPrice": "4.00000000",

"bidQty": "431.00000000",

"askPrice": "4.00000200",

"askQty": "9.00000000"

},

{

"symbol": "ETHBTC",

"bidPrice": "0.07946700",

"bidQty": "9.00000000",

"askPrice": "100000.00000000",

"askQty": "1000.00000000"

}

]

GET /api/v3/ticker/bookTicker

Best price/qty on the order book for a symbol or symbols.

**Weight(IP):**

| **Parameter** | **Symbols Provided** | **Weight** |
| --- | --- | --- |
| symbol | 1 | 2 |
| symbol parameter is omitted | 4 |
| symbols | Any | 4 |

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | NO | Parameter symbol and symbols cannot be used in combination.   If neither parameter is sent, bookTickers for all symbols will be returned in an array.     Examples of accepted format for the symbols parameter: ["BTCUSDT","BNBUSDT"]   or   %5B%22BTCUSDT%22,%22BNBUSDT%22%5D |
| symbols | STRING | NO |

**Data Source:** Memory

## Rolling window price change statistics

**Response: - FULL**

{

"symbol": "BNBBTC",

"priceChange": "-8.00000000", // Absolute price change

"priceChangePercent": "-88.889", // Relative price change in percent

"weightedAvgPrice": "2.60427807", // QuoteVolume / Volume

"openPrice": "9.00000000",

"highPrice": "9.00000000",

"lowPrice": "1.00000000",

"lastPrice": "1.00000000",

"volume": "187.00000000",

"quoteVolume": "487.00000000", // Sum of (price \* volume) for all trades

"openTime": 1641859200000, // Open time for ticker window

"closeTime": 1642031999999, // Current Time of the Request

"firstId": 0, // Trade IDs

"lastId": 60,

"count": 61 // Number of trades in the interval

}

OR

[

{

"symbol": "BTCUSDT",

"priceChange": "-154.13000000", // Absolute price change

"priceChangePercent": "-0.740", // Relative price change in percent

"weightedAvgPrice": "20677.46305250", // QuoteVolume / Volume

"openPrice": "20825.27000000",

"highPrice": "20972.46000000",

"lowPrice": "20327.92000000",

"lastPrice": "20671.14000000",

"volume": "72.65112300",

"quoteVolume": "1502240.91155513", // Sum of (price \* volume) for all trades

"openTime": 1655432400000, // Open time for ticker window

"closeTime": 1655446835460, // Close time for ticker window

"firstId": 11147809, // Trade IDs

"lastId": 11149775,

"count": 1967 // Number of trades in the interval

},

{

"symbol": "BNBBTC",

"priceChange": "0.00008530",

"priceChangePercent": "0.823",

"weightedAvgPrice": "0.01043129",

"openPrice": "0.01036170",

"highPrice": "0.01049850",

"lowPrice": "0.01033870",

"lastPrice": "0.01044700",

"volume": "166.67000000",

"quoteVolume": "1.73858301",

"openTime": 1655432400000,

"closeTime": 1655446835460,

"firstId": 2351674,

"lastId": 2352034,

"count": 361

}

]

**Response - MINI**

{

"symbol": "LTCBTC",

"openPrice": "0.10000000",

"highPrice": "2.00000000",

"lowPrice": "0.10000000",

"lastPrice": "2.00000000",

"volume": "39.00000000",

"quoteVolume": "13.40000000", // Sum of (price \* volume) for all trades

"openTime": 1656986580000, // Open time for ticker window

"closeTime": 1657001016795, // Close time for ticker window

"firstId": 0, // Trade IDs

"lastId": 34,

"count": 35 // Number of trades in the interval

}

OR

[

{

"symbol": "BNBBTC",

"openPrice": "0.10000000",

"highPrice": "2.00000000",

"lowPrice": "0.10000000",

"lastPrice": "2.00000000",

"volume": "39.00000000",

"quoteVolume": "13.40000000", // Sum of (price \* volume) for all trades

"openTime": 1656986880000, // Open time for ticker window

"closeTime": 1657001297799, // Close time for ticker window

"firstId": 0, // Trade IDs

"lastId": 34,

"count": 35 // Number of trades in the interval

},

{

"symbol": "LTCBTC",

"openPrice": "0.07000000",

"highPrice": "0.07000000",

"lowPrice": "0.07000000",

"lastPrice": "0.07000000",

"volume": "33.00000000",

"quoteVolume": "2.31000000",

"openTime": 1656986880000,

"closeTime": 1657001297799,

"firstId": 0,

"lastId": 32,

"count": 33

}

]

GET /api/v3/ticker

**Note:** This endpoint is different from the GET /api/v3/ticker/24hr endpoint.

The window used to compute statistics will be no more than 59999ms from the requested windowSize.

openTime for /api/v3/ticker always starts on a minute, while the closeTime is the current time of the request. As such, the effective window will be up to 59999ms wider than windowSize.

E.g. If the closeTime is 1641287867099 (January 04, 2022 09:17:47:099 UTC) , and the windowSize is 1d. the openTime will be: 1641201420000 (January 3, 2022, 09:17:00 UTC)

**Weight:(IP)**

4 for each requested symbol regardless of windowSize   
  
The weight for this request will cap at 200 once the number of symbols in the request is more than 50.

**Parameters**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Mandatory** | **Description** |
| symbol | STRING | YES | Either symbol or symbols must be provided.  Examples of accepted format for the symbols parameter:  ["BTCUSDT","BNBUSDT"]  or %5B%22BTCUSDT%22,%22BNBUSDT%22%5D  The maximum number of symbols allowed in a request is 100. |
| symbols |
| windowSize | ENUM | NO | Defaults to 1d if no parameter provided.  Supported windowSize values: 1m,2m....59m for minutes 1h, 2h....23h - for hours  1d...7d - for days   Units cannot be combined (e.g. 1d2h is not allowed). |  |
| type | ENUM | NO | Supported values: FULL or MINI.  If none provided, the default is FULL. |  |

**Data Source:** Database

# Websocket Market Streams

* The base endpoint is: **wss://stream.binance.com:9443** or **wss://stream.binance.com:443**
* Streams can be accessed either in a single raw stream or in a combined stream.
* Users can listen to multiple streams.
* Raw streams are accessed at **/ws/<streamName>**
* Combined streams are accessed at **/stream?streams=<streamName1>/<streamName2>/<streamName3>**
* Combined stream events are wrapped as follows: **{"stream":"<streamName>","data":<rawPayload>}**
* All symbols for streams are **lowercase**
* A single connection to **stream.binance.com** is only valid for 24 hours; expect to be disconnected at the 24 hour mark
* Websocket server will send a ping frame every 3 minutes.
  + If the websocket server does not receive a pong frame back from the connection within a 10 minute period, the connection will be disconnected.
  + When you receive a ping, you must send a pong with a copy of ping's payload as soon as possible.
  + Unsolicited pong frames are allowed, but will not prevent disconnection. **It is recommended that the payload for these pong frames are empty.**
* The base endpoint **wss://data-stream.binance.vision** can be subscribed to receive market data messages. User data stream is **NOT** available from this URL.

## Live Subscribing/Unsubscribing to streams

* The following data can be sent through the websocket instance in order to subscribe/unsubscribe from streams. Examples can be seen below.
* The id is used as an identifier to uniquely identify the messages going back and forth. The following formats are accepted:
  + 64-bit signed integer
  + alphanumeric strings; max length 36
  + null
* In the response, if the result received is null this means the request sent was a success.

### Subscribe to a stream

**Response**

{

"result": null,

"id": 1

}

* **Request**

{  
"method": "SUBSCRIBE",  
"params":  
[  
"btcusdt@aggTrade",  
"btcusdt@depth"  
],  
"id": 1  
}

### Unsubscribe to a stream

**Response**

{

"result": null,

"id": 312

}

* **Request**

{  
"method": "UNSUBSCRIBE",  
"params":  
[  
"btcusdt@depth"  
],  
"id": 312  
}

### Listing Subscriptions

**Response**

{

"result": [

"btcusdt@aggTrade"

],

"id": 3

}

* **Request**

{  
"method": "LIST\_SUBSCRIPTIONS",  
"id": 3  
}

### Setting Properties

Currently, the only property can be set is to set whether combined stream payloads are enabled or not. The combined property is set to false when connecting using /ws/ ("raw streams") and true when connecting using /stream/.

**Response**

{

"result": null,

"id": 5

}

* **Request**

{  
"method": "SET\_PROPERTY",  
"params":  
[  
"combined",  
true  
],  
"id": 5  
}

### Retrieving Properties

**Response**

{

"result": true, // Indicates that combined is set to true.

"id": 2

}

* **Request**

{  
"method": "GET\_PROPERTY",  
"params":  
[  
"combined"  
],  
"id": 2  
}

### Error Messages

| **Error Message** | **Description** |
| --- | --- |
| {"code": 0, "msg": "Unknown property", "id": '%s'} | Parameter used in the SET\_PROPERTY or GET\_PROPERTY was invalid |
| {"code": 1, "msg": "Invalid value type: expected Boolean", "id": '%s'} | Value should only be true or false |
| {"code": 2, "msg": "Invalid request: property name must be a string"} | Property name provided was invalid |
| {"code": 2, "msg": "Invalid request: request ID must be an unsigned integer"} | Parameter id had to be provided or the value provided in the id parameter is an unsupported type |
| {"code": 2, "msg": "Invalid request: unknown variant %s, expected one of SUBSCRIBE, UNSUBSCRIBE, LIST\_SUBSCRIPTIONS, SET\_PROPERTY, GET\_PROPERTY at line 1 column 28"} | Possible typo in the provided method or provided method was neither of the expected values |
| {"code": 2, "msg": "Invalid request: too many parameters"} | Unnecessary parameters provided in the data |
| {"code": 2, "msg": "Invalid request: property name must be a string"} | Property name was not provided |
| {"code": 2, "msg": "Invalid request: missing field method at line 1 column 73"} | method was not provided in the data |
| {"code":3,"msg":"Invalid JSON: expected value at line %s column %s"} | JSON data sent has incorrect syntax. |

## Aggregate Trade Streams

**Payload:**

{

"e": "aggTrade", // Event type

"E": 1672515782136, // Event time

"s": "BNBBTC", // Symbol

"a": 12345, // Aggregate trade ID

"p": "0.001", // Price

"q": "100", // Quantity

"f": 100, // First trade ID

"l": 105, // Last trade ID

"T": 1672515782136, // Trade time

"m": true, // Is the buyer the market maker?

"M": true // Ignore

}

The Aggregate Trade Streams push trade information that is aggregated for a single taker order.

**Stream Name:** <symbol>@aggTrade

**Update Speed:** Real-time

## Trade Streams

**Payload:**

{

"e": "trade", // Event type

"E": 1672515782136, // Event time

"s": "BNBBTC", // Symbol

"t": 12345, // Trade ID

"p": "0.001", // Price

"q": "100", // Quantity

"T": 1672515782136, // Trade time

"m": true, // Is the buyer the market maker?

"M": true // Ignore

}

The Trade Streams push raw trade information; each trade has a unique buyer and seller.

**Stream Name:** <symbol>@trade

**Update Speed:** Real-time

## Kline/Candlestick Streams for UTC

**Payload:**

{

"e": "kline", // Event type

"E": 1672515782136, // Event time

"s": "BNBBTC", // Symbol

"k": {

"t": 123400000, // Kline start time

"T": 123460000, // Kline close time

"s": "BNBBTC", // Symbol

"i": "1m", // Interval

"f": 100, // First trade ID

"L": 200, // Last trade ID

"o": "0.0010", // Open price

"c": "0.0020", // Close price

"h": "0.0025", // High price

"l": "0.0015", // Low price

"v": "1000", // Base asset volume

"n": 100, // Number of trades

"x": false, // Is this kline closed?

"q": "1.0000", // Quote asset volume

"V": "500", // Taker buy base asset volume

"Q": "0.500", // Taker buy quote asset volume

"B": "123456" // Ignore

}

}

The Kline/Candlestick Stream push updates to the current klines/candlestick every secondin UTC+0 timezone.

**Stream Name:** <symbol>@kline\_<interval>

**Update Speed:** 1000ms for 1s, 2000ms for the other intervals **Kline/Candlestick chart intervals:**

s-> seconds; m -> minutes; h -> hours; d -> days; w -> weeks; M -> months

* 1s
* 1m
* 3m
* 5m
* 15m
* 30m
* 1h
* 2h
* 4h
* 6h
* 8h
* 12h
* 1d
* 3d
* 1w
* 1M

## Kline/Candlestick Streams with timezone offset

**Payload:**

{

"e": "kline", // Event type

"E": 1672515782136, // Event time

"s": "BNBBTC", // Symbol

"k": {

"t": 1672515780000, // Kline start time

"T": 1672515839999, // Kline close time

"s": "BNBBTC", // Symbol

"i": "1m", // Interval

"f": 100, // First trade ID

"L": 200, // Last trade ID

"o": "0.0010", // Open price

"c": "0.0020", // Close price

"h": "0.0025", // High price

"l": "0.0015", // Low price

"v": "1000", // Base asset volume

"n": 100, // Number of trades

"x": false, // Is this kline closed?

"q": "1.0000", // Quote asset volume

"V": "500", // Taker buy base asset volume

"Q": "0.500", // Taker buy quote asset volume

"B": "123456" // Ignore

}

}

The Kline/Candlestick Stream push updates to the current klines/candlestick every second in UTC+8 timezone.

**UTC+8 timezone offset:**

* Kline intervals open and close in the UTC+8 timezone. For example the 1d klines will open at the beginning of the UTC+8 day, and close at the end of the UTC+8 day.
* Note that E (event time), t (start time) and T (close time) in the payload are Unix timestamps, which are always interpreted in UTC.

**Stream Name:** <symbol>@kline\_<interval>@+08:00

**Update Speed:** 1000ms for 1s, 2000ms for the other intervals

Supported intervals: See [Kline/Candlestick chart intervals](https://binance-docs.github.io/apidocs/spot/en/#kline-intervals)

## Individual Symbol Mini Ticker Stream

**Payload:**

{

"e": "24hrMiniTicker", // Event type

"E": 1672515782136, // Event time

"s": "BNBBTC", // Symbol

"c": "0.0025", // Close price

"o": "0.0010", // Open price

"h": "0.0025", // High price

"l": "0.0010", // Low price

"v": "10000", // Total traded base asset volume

"q": "18" // Total traded quote asset volume

}

24hr rolling window mini-ticker statistics. These are NOT the statistics of the UTC day, but a 24hr rolling window for the previous 24hrs.

**Stream Name:** <symbol>@miniTicker

**Update Speed:** 1000ms

## All Market Mini Tickers Stream

**Payload:**

[

{

// Same as <symbol>@miniTicker payload

}

]

24hr rolling window mini-ticker statistics for all symbols that changed in an array. These are NOT the statistics of the UTC day, but a 24hr rolling window for the previous 24hrs. Note that only tickers that have changed will be present in the array.

**Stream Name:** !miniTicker@arr

**Update Speed:** 1000ms

## Individual Symbol Ticker Streams

**Payload:**

{

"e": "24hrTicker", // Event type

"E": 1672515782136, // Event time

"s": "BNBBTC", // Symbol

"p": "0.0015", // Price change

"P": "250.00", // Price change percent

"w": "0.0018", // Weighted average price

"x": "0.0009", // First trade(F)-1 price (first trade before the 24hr rolling window)

"c": "0.0025", // Last price

"Q": "10", // Last quantity

"b": "0.0024", // Best bid price

"B": "10", // Best bid quantity

"a": "0.0026", // Best ask price

"A": "100", // Best ask quantity

"o": "0.0010", // Open price

"h": "0.0025", // High price

"l": "0.0010", // Low price

"v": "10000", // Total traded base asset volume

"q": "18", // Total traded quote asset volume

"O": 0, // Statistics open time

"C": 86400000, // Statistics close time

"F": 0, // First trade ID

"L": 18150, // Last trade Id

"n": 18151 // Total number of trades

}

24hr rolling window ticker statistics for a single symbol. These are NOT the statistics of the UTC day, but a 24hr rolling window for the previous 24hrs.

**Stream Name:** <symbol>@ticker

**Update Speed:** 1000ms

## Average Price

**Payload:**

{

"e": "avgPrice", // Event type

"E": 1693907033000, // Event time

"s": "BTCUSDT", // Symbol

"i": "5m", // Average price interval

"w": "25776.86000000", // Average price

"T": 1693907032213 // Last trade time

}

Average price streams push changes in the average price over a fixed time interval.

**Stream Name:** <symbol>@avgPrice

**Update Speed:** 1000ms

## All Market Tickers Stream

**Payload:**

[

{

// Same as <symbol>@ticker payload

}

]

24hr rolling window ticker statistics for all symbols that changed in an array. These are NOT the statistics of the UTC day, but a 24hr rolling window for the previous 24hrs. Note that only tickers that have changed will be present in the array.

**Stream Name:** !ticker@arr

**Update Speed:** 1000ms

## Individual Symbol Rolling Window Statistics Streams

**Payload:**

{

"e": "1hTicker", // Event type

"E": 1672515782136, // Event time

"s": "BNBBTC", // Symbol

"p": "0.0015", // Price change

"P": "250.00", // Price change percent

"o": "0.0010", // Open price

"h": "0.0025", // High price

"l": "0.0010", // Low price

"c": "0.0025", // Last price

"w": "0.0018", // Weighted average price

"v": "10000", // Total traded base asset volume

"q": "18", // Total traded quote asset volume

"O": 0, // Statistics open time

"C": 86400000, // Statistics close time

"F": 0, // First trade ID

"L": 18150, // Last trade Id

"n": 18151 // Total number of trades

}

Rolling window ticker statistics for a single symbol, computed over multiple windows.

**Stream Name:** <symbol>@ticker\_<window\_size>

**Window Sizes:** 1h,4h,1d

**Update Speed:** 1000ms

**Note**: This stream is different from the <symbol>@ticker stream. The open time O always starts on a minute, while the closing time C is the current time of the update.

As such, the effective window might be up to 59999ms wider that <window\_size>.

## All Market Rolling Window Statistics Streams

**Payload:**

[

{

// Same as <symbol>@ticker\_<window-size> payload,

// one for each symbol updated within the interval.

}

]

Rolling window ticker statistics for all market symbols, computed over multiple windows. Note that only tickers that have changed will be present in the array.

**Stream Name:** !ticker\_<window-size>@arr

**Window Size:** 1h,4h,1d

**Update Speed:** 1000ms

## Individual Symbol Book Ticker Streams

**Payload:**

{

"u":400900217, // order book updateId

"s":"BNBUSDT", // symbol

"b":"25.35190000", // best bid price

"B":"31.21000000", // best bid qty

"a":"25.36520000", // best ask price

"A":"40.66000000" // best ask qty

}

Pushes any update to the best bid or ask's price or quantity in real-time for a specified symbol.

Multiple <symbol>@bookTicker streams can be subscribed to over one connection.

**Stream Name:** <symbol>@bookTicker

**Update Speed:** Real-time

## Partial Book Depth Streams

**Payload:**

{

"lastUpdateId": 160, // Last update ID

"bids": [ // Bids to be updated

[

"0.0024", // Price level to be updated

"10" // Quantity

]

],

"asks": [ // Asks to be updated

[

"0.0026", // Price level to be updated

"100" // Quantity

]

]

}

Top bids and asks, Valid are 5, 10, or 20.

**Stream Names:** <symbol>@depth<levels> OR <symbol>@depth<levels>@100ms.

**Update Speed:** 1000ms or 100ms

## Diff. Depth Stream

**Payload:**

{

"e": "depthUpdate", // Event type

"E": 1672515782136, // Event time

"s": "BNBBTC", // Symbol

"U": 157, // First update ID in event

"u": 160, // Final update ID in event

"b": [ // Bids to be updated

[

"0.0024", // Price level to be updated

"10" // Quantity

]

],

"a": [ // Asks to be updated

[

"0.0026", // Price level to be updated

"100" // Quantity

]

]

}

**Stream Name:** <symbol>@depth OR <symbol>@depth@100ms

**Update Speed:** 1000ms or 100ms

Order book price and quantity depth updates used to locally manage an order book.

## How to manage a local order book correctly

1. Open a stream to **wss://stream.binance.com:9443/ws/bnbbtc@depth**.
2. Buffer the events you receive from the stream.
3. Get a depth snapshot from **https://api.binance.com/api/v3/depth?symbol=BNBBTC&limit=1000** .
4. Drop any event where u is <= lastUpdateId in the snapshot.
5. The first processed event should have U <= lastUpdateId+1 **AND** u >= lastUpdateId+1.
6. While listening to the stream, each new event's U should be equal to the previous event's u+1.
7. The data in each event is the **absolute** quantity for a price level.
8. If the quantity is 0, **remove** the price level.
9. Receiving an event that removes a price level that is not in your local order book can happen and is normal.

Note: Due to depth snapshots having a limit on the number of price levels, a price level outside of the initial snapshot that doesn't have a quantity change won't have an update in the Diff. Depth Stream. Consequently, those price levels will not be visible in the local order book even when applying all updates from the Diff. Depth Stream correctly and cause the local order book to have some slight differences with the real order book. However, for most use cases the depth limit of 5000 is enough to understand the market and trade effectively.

# Spot Trading Endpoints

## Test New Order (TRADE)

**Response:**

{}

OR

{

"standardCommissionForOrder": { //Standard commission rates on trades from the order.

"maker": "0.00000112",

"taker": "0.00000114",

},

"taxCommissionForOrder": { //Tax commission rates for trades from the order.

"maker": "0.00000112",

"taker": "0.00000114",

},

"discount": { //Discount on standard commissions when paying in BNB.

"enabledForAccount": true,

"enabledForSymbol": true,

"discountAsset": "BNB",

"discount": "0.25000000" //Standard commission is reduced by this rate when paying commission in BNB.

}

}

POST /api/v3/order/test

Test new order creation and signature/recvWindow long. Creates and validates a new order but does not send it into the matching engine.

**Weight:**

| **Condition** | **Request Weight** |
| --- | --- |
| Without computeCommissionRates | 1 |
| With computeCommissionRates | 20 |

**Parameters:**

In addition to all parameters accepted by POST /api/v3/order, the following optional parameters are also accepted:

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| computeCommissionRates | BOOLEAN | NO | Default: false |

**Data Source:** Memory

## New Order (TRADE)

**Response ACK:**

{

"symbol": "BTCUSDT",

"orderId": 28,

"orderListId": -1, //Unless an order list, value will be -1

"clientOrderId": "6gCrw2kRUAF9CvJDGP16IP",

"transactTime": 1507725176595

}

**Response RESULT:**

{

"symbol": "BTCUSDT",

"orderId": 28,

"orderListId": -1, //Unless an order list, value will be -1

"clientOrderId": "6gCrw2kRUAF9CvJDGP16IP",

"transactTime": 1507725176595,

"price": "0.00000000",

"origQty": "10.00000000",

"executedQty": "10.00000000",

"origQuoteOrderQty": "0.000000",

"cummulativeQuoteQty": "10.00000000",

"status": "FILLED",

"timeInForce": "GTC",

"type": "MARKET",

"side": "SELL",

"workingTime": 1507725176595,

"selfTradePreventionMode": "NONE"

}

**Response FULL:**

{

"symbol": "BTCUSDT",

"orderId": 28,

"orderListId": -1, //Unless an order list, value will be -1

"clientOrderId": "6gCrw2kRUAF9CvJDGP16IP",

"transactTime": 1507725176595,

"price": "0.00000000",

"origQty": "10.00000000",

"executedQty": "10.00000000",

"origQuoteOrderQty": "0.000000",

"cummulativeQuoteQty": "10.00000000",

"status": "FILLED",

"timeInForce": "GTC",

"type": "MARKET",

"side": "SELL",

"workingTime": 1507725176595,

"selfTradePreventionMode": "NONE",

"fills": [

{

"price": "4000.00000000",

"qty": "1.00000000",

"commission": "4.00000000",

"commissionAsset": "USDT",

"tradeId": 56

},

{

"price": "3999.00000000",

"qty": "5.00000000",

"commission": "19.99500000",

"commissionAsset": "USDT",

"tradeId": 57

},

{

"price": "3998.00000000",

"qty": "2.00000000",

"commission": "7.99600000",

"commissionAsset": "USDT",

"tradeId": 58

},

{

"price": "3997.00000000",

"qty": "1.00000000",

"commission": "3.99700000",

"commissionAsset": "USDT",

"tradeId": 59

},

{

"price": "3995.00000000",

"qty": "1.00000000",

"commission": "3.99500000",

"commissionAsset": "USDT",

"tradeId": 60

}

]

}

POST /api/v3/order

Send in a new order.

**Weight(UID):** 1 **Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES |  |
| side | ENUM | YES |  |
| type | ENUM | YES |  |
| timeInForce | ENUM | NO |  |
| quantity | DECIMAL | NO |  |
| quoteOrderQty | DECIMAL | NO |  |
| price | DECIMAL | NO |  |
| newClientOrderId | STRING | NO | A unique id among open orders. Automatically generated if not sent. |
| strategyId | INT | NO |  |
| strategyType | INT | NO | The value cannot be less than 1000000. |
| stopPrice | DECIMAL | NO | Used with STOP\_LOSS, STOP\_LOSS\_LIMIT, TAKE\_PROFIT, and TAKE\_PROFIT\_LIMIT orders. |
| trailingDelta | LONG | NO | Used with STOP\_LOSS, STOP\_LOSS\_LIMIT, TAKE\_PROFIT, and TAKE\_PROFIT\_LIMIT orders. For more details on SPOT implementation on trailing stops, please refer to [Trailing Stop FAQ](https://github.com/binance/binance-spot-api-docs/blob/master/faqs/trailing-stop-faq.md) |
| icebergQty | DECIMAL | NO | Used with LIMIT, STOP\_LOSS\_LIMIT, and TAKE\_PROFIT\_LIMIT to create an iceberg order. |
| newOrderRespType | ENUM | NO | Set the response JSON. ACK, RESULT, or FULL; MARKET and LIMIT order types default to FULL, all other orders default to ACK. |
| selfTradePreventionMode | ENUM | NO | The allowed enums is dependent on what is configured on the symbol. The possible supported values are EXPIRE\_TAKER, EXPIRE\_MAKER, EXPIRE\_BOTH, NONE. |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

Additional mandatory parameters based on type:

| **Type** | **Additional mandatory parameters** |
| --- | --- |
| LIMIT | timeInForce, quantity, price |
| MARKET | quantity or quoteOrderQty |
| STOP\_LOSS | quantity, stopPrice or trailingDelta |
| STOP\_LOSS\_LIMIT | timeInForce, quantity, price, stopPrice or trailingDelta |
| TAKE\_PROFIT | quantity, stopPrice or trailingDelta |
| TAKE\_PROFIT\_LIMIT | timeInForce, quantity, price, stopPrice or trailingDelta |
| LIMIT\_MAKER | quantity, price |

Other info:

* LIMIT\_MAKER are LIMIT orders that will be rejected if they would immediately match and trade as a taker.
* STOP\_LOSS and TAKE\_PROFIT will execute a MARKET order when the stopPrice is reached.
* Any LIMIT or LIMIT\_MAKER type order can be made an iceberg order by sending an icebergQty.
* Any order with an icebergQty MUST have timeInForce set to GTC.
* MARKET orders using the quantity field specifies the amount of the base asset the user wants to buy or sell at the market price.
  + For example, sending a MARKET order on BTCUSDT will specify how much BTC the user is buying or selling.
* MARKET orders using quoteOrderQty specifies the amount the user wants to spend (when buying) or receive (when selling) the quote asset; the correct quantity will be determined based on the market liquidity and quoteOrderQty.
  + Using BTCUSDT as an example:
    - On the BUY side, the order will buy as many BTC as quoteOrderQty USDT can.
    - On the SELL side, the order will sell as much BTC needed to receive quoteOrderQty USDT.
* MARKET orders using quoteOrderQty will not break LOT\_SIZE filter rules; the order will execute a quantity that will have the notional value as close as possible to quoteOrderQty.
* same newClientOrderId can be accepted only when the previous one is filled, otherwise the order will be rejected.
* For STOP\_LOSS, STOP\_LOSS\_LIMIT, TAKE\_PROFIT\_LIMIT and TAKE\_PROFIT orders, trailingDelta can be combined with stopPrice.

Trigger order price rules against market price for both MARKET and LIMIT versions:

* Price above market price: STOP\_LOSS BUY, TAKE\_PROFIT SELL
* Price below market price: STOP\_LOSS SELL, TAKE\_PROFIT BUY

**Data Source:** Matching Engine

### Conditional fields in Order Responses

There are fields in the order responses (e.g. order placement, order query, order cancellation) that appear only if certain conditions are met.

These fields can apply to Order lists.

The fields are listed below:

| **Field** | **Description** | **Visibility conditions** | **Examples** |
| --- | --- | --- | --- |
| icebergQty | Quantity for the iceberg order | Appears only if the parameter icebergQty was sent in the request. | "icebergQty": "0.00000000" |
| preventedMatchId | When used in combination with symbol, can be used to query a prevented match. | Appears only if the order expired due to STP. | "preventedMatchId": 0 |
| preventedQuantity | Order quantity that expired due to STP | Appears only if the order expired due to STP. | "preventedQuantity": "1.200000" |
| stopPrice | Price when the algorithmic order will be triggered | Appears for STOP\_LOSS. TAKE\_PROFIT, STOP\_LOSS\_LIMIT and TAKE\_PROFIT\_LIMIT orders. | "stopPrice": "23500.00000000" |
| strategyId | Can be used to label an order that's part of an order strategy. | Appears if the parameter was populated in the request. | "strategyId": 37463720 |
| strategyType | Can be used to label an order that is using an order strategy. | Appears if the parameter was populated in the request. | "strategyType": 1000000 |
| trailingDelta | Delta price change required before order activation | Appears for Trailing Stop Orders. | "trailingDelta": 10 |
| trailingTime | Time when the trailing order is now active and tracking price changes | Appears only for Trailing Stop Orders. | "trailingTime": -1 |

## Cancel Order (TRADE)

**Response:**

{

"symbol": "LTCBTC",

"origClientOrderId": "myOrder1",

"orderId": 4,

"orderListId": -1, //Unless part of an order list, the value will always be -1.

"clientOrderId": "cancelMyOrder1",

"transactTime": 1684804350068,

"price": "2.00000000",

"origQty": "1.00000000",

"executedQty": "0.00000000",

"origQuoteOrderQty": "0.000000",

"cummulativeQuoteQty": "0.00000000",

"status": "CANCELED",

"timeInForce": "GTC",

"type": "LIMIT",

"side": "BUY",

"selfTradePreventionMode": "NONE"

}

DELETE /api/v3/order

Cancel an active order.

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES |  |
| orderId | LONG | NO |  |
| origClientOrderId | STRING | NO |  |
| newClientOrderId | STRING | NO | Used to uniquely identify this cancel. Automatically generated by default. |
| cancelRestrictions | ENUM | NO | Supported values:  ONLY\_NEW - Cancel will succeed if the order status is NEW. ONLY\_PARTIALLY\_FILLED - Cancel will succeed if order status is PARTIALLY\_FILLED. |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

Either orderId or origClientOrderId must be sent. If both orderId and origClientOrderId are provided, orderId takes precedence.

**Data Source:** Matching Engine

### Regarding cancelRestrictions

* If the cancelRestrictions value is not any of the supported values, the error will be:
  + {"code": -1145,"msg": "Invalid cancelRestrictions"}
* If the order did not pass the conditions for cancelRestrictions, the error will be:
  + {"code": -2011,"msg": "Order was not canceled due to cancel restrictions."}

**Note:** The payload sample does not show all fields that can appear. Please refer to [Conditional fields in Order Responses](https://binance-docs.github.io/apidocs/spot/en/#conditional-fields-in-order-responses).

## Cancel all Open Orders on a Symbol (TRADE)

**Response:**

[

{

"symbol": "BTCUSDT",

"origClientOrderId": "E6APeyTJvkMvLMYMqu1KQ4",

"orderId": 11,

"orderListId": -1,

"clientOrderId": "pXLV6Hz6mprAcVYpVMTGgx",

"transactTime": 1684804350068,

"price": "0.089853",

"origQty": "0.178622",

"executedQty": "0.000000",

"origQuoteOrderQty": "0.000000",

"cummulativeQuoteQty": "0.000000",

"status": "CANCELED",

"timeInForce": "GTC",

"type": "LIMIT",

"side": "BUY",

"selfTradePreventionMode": "NONE"

},

{

"symbol": "BTCUSDT",

"origClientOrderId": "A3EF2HCwxgZPFMrfwbgrhv",

"orderId": 13,

"orderListId": -1,

"clientOrderId": "pXLV6Hz6mprAcVYpVMTGgx",

"transactTime": 1684804350069,

"price": "0.090430",

"origQty": "0.178622",

"executedQty": "0.000000",

"origQuoteOrderQty": "0.000000",

"cummulativeQuoteQty": "0.000000",

"status": "CANCELED",

"timeInForce": "GTC",

"type": "LIMIT",

"side": "BUY",

"selfTradePreventionMode": "NONE"

},

{

"orderListId": 1929,

"contingencyType": "OCO",

"listStatusType": "ALL\_DONE",

"listOrderStatus": "ALL\_DONE",

"listClientOrderId": "2inzWQdDvZLHbbAmAozX2N",

"transactionTime": 1585230948299,

"symbol": "BTCUSDT",

"orders": [

{

"symbol": "BTCUSDT",

"orderId": 20,

"clientOrderId": "CwOOIPHSmYywx6jZX77TdL"

},

{

"symbol": "BTCUSDT",

"orderId": 21,

"clientOrderId": "461cPg51vQjV3zIMOXNz39"

}

],

"orderReports": [

{

"symbol": "BTCUSDT",

"origClientOrderId": "CwOOIPHSmYywx6jZX77TdL",

"orderId": 20,

"orderListId": 1929,

"clientOrderId": "pXLV6Hz6mprAcVYpVMTGgx",

"transactTime": 1688005070874,

"price": "0.668611",

"origQty": "0.690354",

"executedQty": "0.000000",

"origQuoteOrderQty": "0.000000",

"cummulativeQuoteQty": "0.000000",

"status": "CANCELED",

"timeInForce": "GTC",

"type": "STOP\_LOSS\_LIMIT",

"side": "BUY",

"stopPrice": "0.378131",

"icebergQty": "0.017083",

"selfTradePreventionMode": "NONE"

},

{

"symbol": "BTCUSDT",

"origClientOrderId": "461cPg51vQjV3zIMOXNz39",

"orderId": 21,

"orderListId": 1929,

"clientOrderId": "pXLV6Hz6mprAcVYpVMTGgx",

"transactTime": 1688005070874,

"price": "0.008791",

"origQty": "0.690354",

"executedQty": "0.000000",

"origQuoteOrderQty": "0.000000",

"cummulativeQuoteQty": "0.000000",

"status": "CANCELED",

"timeInForce": "GTC",

"type": "LIMIT\_MAKER",

"side": "BUY",

"icebergQty": "0.639962",

"selfTradePreventionMode": "NONE"

}

]

}

]

DELETE /api/v3/openOrders

Cancels all active orders on a symbol.  
  
This includes orders that are part of an order list.

**Weight(IP):** 1

**Parameters**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES |  |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

**Data Source:** Matching Engine

**Note:** The payload sample does not show all fields that can appear. Please refer to [Conditional fields in Order Responses](https://binance-docs.github.io/apidocs/spot/en/#conditional-fields-in-order-responses).

## Query Order (USER\_DATA)

**Response:**

{

"symbol": "LTCBTC",

"orderId": 1,

"orderListId": -1, //Unless an order list, value will be -1

"clientOrderId": "myOrder1",

"price": "0.1",

"origQty": "1.0",

"executedQty": "0.0",

"cummulativeQuoteQty": "0.0",

"status": "NEW",

"timeInForce": "GTC",

"type": "LIMIT",

"side": "BUY",

"stopPrice": "0.0",

"icebergQty": "0.0",

"time": 1499827319559,

"updateTime": 1499827319559,

"isWorking": true,

"workingTime":1499827319559,

"origQuoteOrderQty": "0.000000",

"selfTradePreventionMode": "NONE"

}

GET /api/v3/order

Check an order's status.

**Weight(IP):** 4

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES |  |
| orderId | LONG | NO |  |
| origClientOrderId | STRING | NO |  |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

**Notes:**

* Either orderId or origClientOrderId must be sent.
* For some historical orders cummulativeQuoteQty will be < 0, meaning the data is not available at this time.
* The payload sample does not show all fields that can appear. Please refer to [Conditional fields in Order Responses](https://binance-docs.github.io/apidocs/spot/en/#conditional-fields-in-order-responses).

**Data Source:** Memory => Database

## Cancel an Existing Order and Send a New Order (TRADE)

**Response SUCCESS and account has not exceeded the order rate limit:**

//Both the cancel order placement and new order placement succeeded.

{

"cancelResult": "SUCCESS",

"newOrderResult": "SUCCESS",

"cancelResponse": {

"symbol": "BTCUSDT",

"origClientOrderId": "DnLo3vTAQcjha43lAZhZ0y",

"orderId": 9,

"orderListId": -1,

"clientOrderId": "osxN3JXAtJvKvCqGeMWMVR",

"transactTime": 1684804350068,

"price": "0.01000000",

"origQty": "0.000100",

"executedQty": "0.00000000",

"origQuoteOrderQty": "0.000000",

"cummulativeQuoteQty": "0.00000000",

"status": "CANCELED",

"timeInForce": "GTC",

"type": "LIMIT",

"side": "SELL",

"selfTradePreventionMode": "NONE"

},

"newOrderResponse": {

"symbol": "BTCUSDT",

"orderId": 10,

"orderListId": -1,

"clientOrderId": "wOceeeOzNORyLiQfw7jd8S",

"transactTime": 1652928801803,

"price": "0.02000000",

"origQty": "0.040000",

"executedQty": "0.00000000",

"origQuoteOrderQty": "0.000000",

"cummulativeQuoteQty": "0.00000000",

"status": "NEW",

"timeInForce": "GTC",

"type": "LIMIT",

"side": "BUY",

"workingTime": 1669277163808,

"fills": [],

"selfTradePreventionMode": "NONE"

}

}

**Response when Cancel Order Fails with STOP\_ON\_FAILURE:**

{

"code": -2022,

"msg": "Order cancel-replace failed.",

"data": {

"cancelResult": "FAILURE",

"newOrderResult": "NOT\_ATTEMPTED",

"cancelResponse": {

"code": -2011,

"msg": "Unknown order sent."

},

"newOrderResponse": null

}

}

**Response when Cancel Order Succeeds but New Order Placement Fails and account has not exceeded the order rate limit:**

{

"code": -2021,

"msg": "Order cancel-replace partially failed.",

"data": {

"cancelResult": "SUCCESS",

"newOrderResult": "FAILURE",

"cancelResponse": {

"symbol": "BTCUSDT",

"origClientOrderId": "86M8erehfExV8z2RC8Zo8k",

"orderId": 3,

"orderListId": -1,

"clientOrderId": "G1kLo6aDv2KGNTFcjfTSFq",

"transactTime": 1684804350068,

"price": "0.006123",

"origQty": "10000.000000",

"executedQty": "0.000000",

"origQuoteOrderQty": "0.000000",

"cummulativeQuoteQty": "0.000000",

"status": "CANCELED",

"timeInForce": "GTC",

"type": "LIMIT\_MAKER",

"side": "SELL",

"selfTradePreventionMode": "NONE"

},

"newOrderResponse": {

"code": -2010,

"msg": "Order would immediately match and take."

}

}

}

**Response when Cancel Order fails with ALLOW\_FAILURE and account has not exceeded the order rate limit:**

{

"code": -2021,

"msg": "Order cancel-replace partially failed.",

"data": {

"cancelResult": "FAILURE",

"newOrderResult": "SUCCESS",

"cancelResponse": {

"code": -2011,

"msg": "Unknown order sent."

},

"newOrderResponse": {

"symbol": "BTCUSDT",

"orderId": 11,

"orderListId": -1,

"clientOrderId": "pfojJMg6IMNDKuJqDxvoxN",

"transactTime": 1648540168818

}

}

}

**Response when both Cancel Order and New Order Placement fail using cancelReplaceMode=ALLOW\_FAILURE and account has not exceeded the order rate limit:**

{

"code": -2022,

"msg": "Order cancel-replace failed.",

"data": {

"cancelResult": "FAILURE",

"newOrderResult": "FAILURE",

"cancelResponse": {

"code": -2011,

"msg": "Unknown order sent."

},

"newOrderResponse": {

"code": -2010,

"msg": "Order would immediately match and take."

}

}

}

**Response when using orderRateLimitExceededMode=DO\_NOTHING and account's order rate limit has been exceeded:**

{

"code": -1015,

"msg": "Too many new orders; current limit is 1 orders per 10 SECOND."

}

**Response when using orderRateLimitExceededMode=CANCEL\_ONLY and account's order rate limit has been exceeded:**

{

"code": -2021,

"msg": "Order cancel-replace partially failed.",

"data": {

"cancelResult": "SUCCESS",

"newOrderResult": "FAILURE",

"cancelResponse": {

"symbol": "LTCBNB",

"origClientOrderId": "GKt5zzfOxRDSQLveDYCTkc",

"orderId": 64,

"orderListId": -1,

"clientOrderId": "loehOJF3FjoreUBDmv739R",

"transactTime": 1715779007228,

"price": "1.00",

"origQty": "10.00000000",

"executedQty": "0.00000000",

"origQuoteOrderQty": "0.000000",

"cummulativeQuoteQty": "0.00",

"status": "CANCELED",

"timeInForce": "GTC",

"type": "LIMIT",

"side": "SELL",

"selfTradePreventionMode": "NONE"

},

"newOrderResponse": {

"code": -1015,

"msg": "Too many new orders; current limit is 1 orders per 10 SECOND."

}

}

}

POST /api/v3/order/cancelReplace

Cancels an existing order and places a new order on the same symbol.

Filters and Order Count are evaluated before the processing of the cancellation and order placement occurs.

A new order that was not attempted (i.e. when newOrderResult: NOT\_ATTEMPTED), will still increase the order count by 1.

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES |  |
| side | ENUM | YES |  |
| type | ENUM | YES |  |
| cancelReplaceMode | ENUM | YES | The allowed values are:   STOP\_ON\_FAILURE - If the cancel request fails, the new order placement will not be attempted.   ALLOW\_FAILURE - new order placement will be attempted even if cancel request fails. |
| timeInForce | ENUM | NO |  |
| quantity | DECIMAL | NO |  |
| quoteOrderQty | DECIMAL | NO |  |
| price | DECIMAL | NO |  |
| cancelNewClientOrderId | STRING | NO | Used to uniquely identify this cancel. Automatically generated by default. |
| cancelOrigClientOrderId | STRING | NO | Either the cancelOrigClientOrderId or cancelOrderId must be provided. If both are provided, cancelOrderId takes precedence. |
| cancelOrderId | LONG | NO | Either the cancelOrigClientOrderId or cancelOrderId must be provided. If both are provided, cancelOrderId takes precedence. |
| newClientOrderId | STRING | NO | Used to identify the new order. |
| strategyId | INT | NO |  |
| strategyType | INT | NO | The value cannot be less than 1000000. |
| stopPrice | DECIMAL | NO |  |
| trailingDelta | LONG | NO |  |
| icebergQty | DECIMAL | NO |  |
| newOrderRespType | ENUM | NO | Allowed values:   ACK, RESULT, FULL   MARKET and LIMIT orders types default to FULL; all other orders default to ACK |
| selfTradePreventionMode | ENUM | NO | The allowed enums is dependent on what is configured on the symbol. The possible supported values are EXPIRE\_TAKER, EXPIRE\_MAKER, EXPIRE\_BOTH, NONE. |
| cancelRestrictions | ENUM | NO | Supported values:  ONLY\_NEW - Cancel will succeed if the order status is NEW. ONLY\_PARTIALLY\_FILLED - Cancel will succeed if order status is PARTIALLY\_FILLED. For more information please refer to [Regarding cancelRestrictions](https://binance-docs.github.io/apidocs/spot/en/#regarding-cancelrestrictions) |
| orderRateLimitExceededMode | ENUM | No | Supported values:  DO\_NOTHING (default)- will only attempt to cancel the order if account has not exceeded the unfilled order rate limit CANCEL\_ONLY - will always cancel the order |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

Similar to POST /api/v3/order, additional mandatory parameters are determined by type.

Response format varies depending on whether the processing of the message succeeded, partially succeeded, or failed.

**Data Source:** Matching Engine

| **Request** | | | **Response** | | |
| --- | --- | --- | --- | --- | --- |
| **cancelReplaceMode** | **orderRateLimitExceededMode** | **Order Count Usage** | **cancelResult** | **newOrderResult** | **status** |
| STOP\_ON\_FAILURE | DO\_NOTHING | Within Limits | ✅ SUCCESS | ✅ SUCCESS | 200 |
| ❌ FAILURE | ➖ NOT\_ATTEMPTED | 400 |
| ✅ SUCCESS | ❌ FAILURE | 409 |
| Exceeds Limits | ✅ SUCCESS | ✅ SUCCESS | N/A |
| ❌ FAILURE | ➖ NOT\_ATTEMPTED | N/A |
| ✅ SUCCESS | ❌ FAILURE | N/A |
| CANCEL\_ONLY | Within Limits | ✅ SUCCESS | ✅ SUCCESS | 200 |
| ❌ FAILURE | ➖ NOT\_ATTEMPTED | 400 |
| ✅ SUCCESS | ❌ FAILURE | 409 |
| Exceeds Limits | ❌ FAILURE | ➖ NOT\_ATTEMPTED | 429 |
| ✅ SUCCESS | ❌ FAILURE | 429 |
| ALLOW\_FAILURE | DO\_NOTHING | Within Limits | ✅ SUCCESS | ✅ SUCCESS | 200 |
| ❌ FAILURE | ❌ FAILURE | 400 |
| ❌ FAILURE | ✅ SUCCESS | 409 |
| ✅ SUCCESS | ❌ FAILURE | 409 |
| Exceeds Limits | ✅ SUCCESS | ✅ SUCCESS | N/A |
| ❌ FAILURE | ❌ FAILURE | N/A |
| ❌ FAILURE | ✅ SUCCESS | N/A |
| ✅ SUCCESS | ❌ FAILURE | N/A |
| CANCEL\_ONLY | Within Limits | ✅ SUCCESS | ✅ SUCCESS | 200 |
| ❌ FAILURE | ❌ FAILURE | 400 |
| ❌ FAILURE | ✅ SUCCESS | 409 |
| ✅ SUCCESS | ❌ FAILURE | 409 |
| Exceeds Limits | ✅ SUCCESS | ✅ SUCCESS | 200 |
| ❌ FAILURE | ❌ FAILURE | 400 |
| ❌ FAILURE | ✅ SUCCESS | N/A |
| ✅ SUCCESS | ❌ FAILURE | 409 |

**Note:** The payload sample does not show all fields that can appear. Please refer to [Conditional fields in Order Responses](https://binance-docs.github.io/apidocs/spot/en/#conditional-fields-in-order-responses).

## Current Open Orders (USER\_DATA)

**Response:**

[

{

"symbol": "LTCBTC",

"orderId": 1,

"orderListId": -1, //Unless an order list, the value will always be -1

"clientOrderId": "myOrder1",

"price": "0.1",

"origQty": "1.0",

"executedQty": "0.0",

"cummulativeQuoteQty": "0.0",

"status": "NEW",

"timeInForce": "GTC",

"type": "LIMIT",

"side": "BUY",

"stopPrice": "0.0",

"icebergQty": "0.0",

"time": 1499827319559,

"updateTime": 1499827319559,

"isWorking": true,

"workingTime": 1499827319559,

"origQuoteOrderQty": "0.000000",

"selfTradePreventionMode": "NONE"

}

]

GET /api/v3/openOrders

Get all open orders on a symbol. **Careful** when accessing this with no symbol.

**Weight(IP):** 6 for a single symbol; **80** when the symbol parameter is omitted;

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | NO |  |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

* If the symbol is not sent, orders for all symbols will be returned in an array.

**Data Source:** Memory => Database

**Note:** The payload sample does not show all fields that can appear. Please refer to [Conditional fields in Order Responses](https://binance-docs.github.io/apidocs/spot/en/#conditional-fields-in-order-responses).

## All Orders (USER\_DATA)

**Response:**

[

{

"symbol": "LTCBTC",

"orderId": 1,

"orderListId": -1, //Unless an order list, the value will always be -1

"clientOrderId": "myOrder1",

"price": "0.1",

"origQty": "1.0",

"executedQty": "0.0",

"cummulativeQuoteQty": "0.0",

"status": "NEW",

"timeInForce": "GTC",

"type": "LIMIT",

"side": "BUY",

"stopPrice": "0.0",

"icebergQty": "0.0",

"time": 1499827319559,

"updateTime": 1499827319559,

"isWorking": true,

"origQuoteOrderQty": "0.000000",

"workingTime": 1499827319559,

"selfTradePreventionMode": "NONE"

}

]

GET /api/v3/allOrders

Get all account orders; active, canceled, or filled.

**Weight(IP):** 20

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES |  |
| orderId | LONG | NO |  |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| limit | INT | NO | Default 500; max 1000. |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

**Notes:**

* If orderId is set, it will get orders >= that orderId. Otherwise most recent orders are returned.
* For some historical orders cummulativeQuoteQty will be < 0, meaning the data is not available at this time.
* If startTime and/or endTime provided, orderId is not required.
* The payload sample does not show all fields that can appear. Please refer to [Conditional fields in Order Responses](https://binance-docs.github.io/apidocs/spot/en/#conditional-fields-in-order-responses).

**Data Source:** Database

## New OCO - Deprecated (TRADE)

**Response:**

{

"orderListId": 0,

"contingencyType": "OCO",

"listStatusType": "EXEC\_STARTED",

"listOrderStatus": "EXECUTING",

"listClientOrderId": "JYVpp3F0f5CAG15DhtrqLp",

"transactionTime": 1563417480525,

"symbol": "LTCBTC",

"orders": [

{

"symbol": "LTCBTC",

"orderId": 2,

"clientOrderId": "Kk7sqHb9J6mJWTMDVW7Vos"

},

{

"symbol": "LTCBTC",

"orderId": 3,

"clientOrderId": "xTXKaGYd4bluPVp78IVRvl"

}

],

"orderReports": [

{

"symbol": "LTCBTC",

"orderId": 2,

"orderListId": 0,

"clientOrderId": "Kk7sqHb9J6mJWTMDVW7Vos",

"transactTime": 1563417480525,

"price": "0.000000",

"origQty": "0.624363",

"executedQty": "0.000000",

"origQuoteOrderQty": "0.000000",

"cummulativeQuoteQty": "0.000000",

"status": "NEW",

"timeInForce": "GTC",

"type": "STOP\_LOSS",

"side": "BUY",

"stopPrice": "0.960664",

"workingTime": -1,

"selfTradePreventionMode": "NONE"

},

{

"symbol": "LTCBTC",

"orderId": 3,

"orderListId": 0,

"clientOrderId": "xTXKaGYd4bluPVp78IVRvl",

"transactTime": 1563417480525,

"price": "0.036435",

"origQty": "0.624363",

"executedQty": "0.000000",

"origQuoteOrderQty": "0.000000",

"cummulativeQuoteQty": "0.000000",

"status": "NEW",

"timeInForce": "GTC",

"type": "LIMIT\_MAKER",

"side": "BUY",

"workingTime": 1563417480525,

"selfTradePreventionMode": "NONE"

}

]

}

POST /api/v3/order/oco

Send in a new OCO

**Weight(UID)**: 2 **Weight(IP)**: 1

**Parameters**:

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES |  |
| listClientOrderId | STRING | NO | A unique Id for the entire orderList |
| side | ENUM | YES |  |
| quantity | DECIMAL | YES |  |
| limitClientOrderId | STRING | NO | A unique Id for the limit order |
| limitStrategyId | INT | NO |  |
| limitStrategyType | INT | NO | The value cannot be less than 1000000. |
| price | DECIMAL | YES |  |
| limitIcebergQty | DECIMAL | NO |  |
| trailingDelta | LONG | NO |  |
| stopClientOrderId | STRING | NO | A unique Id for the stop loss/stop loss limit leg |
| stopPrice | DECIMAL | YES |  |
| stopStrategyId | INT | NO |  |
| stopStrategyType | INT | NO | The value cannot be less than 1000000. |
| stopLimitPrice | DECIMAL | NO | If provided, stopLimitTimeInForce is required. |
| stopIcebergQty | DECIMAL | NO |  |
| stopLimitTimeInForce | ENUM | NO | Valid values are GTC/FOK/IOC |
| newOrderRespType | ENUM | NO | Set the response JSON. |
| selfTradePreventionMode | ENUM | NO | The allowed enums is dependent on what is configured on the symbol. The possible supported values are EXPIRE\_TAKER, EXPIRE\_MAKER, EXPIRE\_BOTH, NONE. |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

Other Info:

* Price Restrictions:
  + SELL: Limit Price > Last Price > Stop Price
  + BUY: Limit Price < Last Price < Stop Price
* Quantity Restrictions:
  + Both legs must have the same quantity.
  + ICEBERG quantities however do not have to be the same
* OCO adds **2 orders** to the unfilled order count, EXCHANGE\_MAX\_ORDERS filter and the MAX\_NUM\_ORDERS filter.

**Data Source:** Matching Engine

## New Order List - OCO (TRADE)

**Response:**

{

"orderListId": 1,

"contingencyType": "OCO",

"listStatusType": "EXEC\_STARTED",

"listOrderStatus": "EXECUTING",

"listClientOrderId": "lH1YDkuQKWiXVXHPSKYEIp",

"transactionTime": 1710485608839,

"symbol": "LTCBTC",

"orders": [

{

"symbol": "LTCBTC",

"orderId": 10,

"clientOrderId": "44nZvqpemY7sVYgPYbvPih"

},

{

"symbol": "LTCBTC",

"orderId": 11,

"clientOrderId": "NuMp0nVYnciDiFmVqfpBqK"

}

],

"orderReports": [

{

"symbol": "LTCBTC",

"orderId": 10,

"orderListId": 1,

"clientOrderId": "44nZvqpemY7sVYgPYbvPih",

"transactTime": 1710485608839,

"price": "1.00000000",

"origQty": "5.00000000",

"executedQty": "0.00000000",

"origQuoteOrderQty": "0.000000",

"cummulativeQuoteQty": "0.00000000",

"status": "NEW",

"timeInForce": "GTC",

"type": "STOP\_LOSS\_LIMIT",

"side": "SELL",

"stopPrice": "1.00000000",

"workingTime": -1,

"icebergQty": "1.00000000",

"selfTradePreventionMode": "NONE"

},

{

"symbol": "LTCBTC",

"orderId": 11,

"orderListId": 1,

"clientOrderId": "NuMp0nVYnciDiFmVqfpBqK",

"transactTime": 1710485608839,

"price": "3.00000000",

"origQty": "5.00000000",

"executedQty": "0.00000000",

"origQuoteOrderQty": "0.000000",

"cummulativeQuoteQty": "0.00000000",

"status": "NEW",

"timeInForce": "GTC",

"type": "LIMIT\_MAKER",

"side": "SELL",

"workingTime": 1710485608839,

"selfTradePreventionMode": "NONE"

}

]

}

POST /api/v3/orderList/oco

Send in an one-cancels-the-other (OCO) pair, where activation of one order immediately cancels the other.

* An OCO has 2 orders called the **above order** and **below order**.
* One of the orders must be a LIMIT\_MAKER/TAKE\_PROFIT/TAKE\_PROFIT\_LIMIT order and the other must be STOP\_LOSS or STOP\_LOSS\_LIMIT order.
* Price restrictions
  + If the OCO is on the SELL side:
  + LIMIT\_MAKER/TAKE\_PROFIT\_LIMIT price > Last Traded Price > STOP\_LOSS/STOP\_LOSS\_LIMIT stopPrice
  + TAKE\_PROFIT stopPrice > Last Traded Price > STOP\_LOSS/STOP\_LOSS\_LIMIT stopPrice
  + If the OCO is on the BUY side:
  + LIMIT\_MAKER/TAKE\_PROFIT\_LIMIT price < Last Traded Price < stopPrice
  + TAKE\_PROFIT stopPrice < Last Traded Price < `STOP\_LOSS/STOP\_LOSS\_LIMIT stopPrice
* OCOs add **2 orders** to the unfilled order count, EXCHANGE\_MAX\_ORDERS filter, and the MAX\_NUM\_ORDERS filter.

Response format for orderReports is selected using the newOrderRespType parameter. The response example is for the RESULT response type. See [POST /api/v3/order](https://binance-docs.github.io/apidocs/spot/en/#new-order-trade) for more examples.

**Weight(IP)**: 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES |  |
| listClientOrderId | STRING | NO | Arbitrary unique ID among open order lists. Automatically generated if not sent.  A new order list with the same listClientOrderId is accepted only when the previous one is filled or completely expired.  listClientOrderId is distinct from the aboveClientOrderId and the belowCLientOrderId. |
| side | ENUM | YES | BUY or SELL |
| quantity | DECIMAL | YES | Quantity for both legs of the order list. |
| aboveType | ENUM | YES | Supported values: STOP\_LOSS\_LIMIT, STOP\_LOSS, LIMIT\_MAKER, TAKE\_PROFIT, TAKE\_PROFIT\_LIMIT |
| aboveClientOrderId | STRING | NO | Arbitrary unique ID among open orders for the above leg order. Automatically generated if not sent |
| aboveIcebergQty | LONG | NO | Note that this can only be used if aboveTimeInForce is GTC. |
| abovePrice | DECIMAL | NO | Can be used if aboveType is STOP\_LOSS\_LIMIT , LIMIT\_MAKER, or TAKE\_PROFIT\_LIMIT to specify the limit price. |
| aboveStopPrice | DECIMAL | NO | Can be used if aboveType is STOP\_LOSS, STOP\_LOSS\_LIMIT, TAKE\_PROFIT, TAKE\_PROFIT\_LIMIT Either aboveStopPrice or aboveTrailingDelta or both, must be specified. |
| aboveTrailingDelta | LONG | NO | See [Trailing Stop order FAQ](https://github.com/binance/binance-spot-api-docs/blob/master/faqs/trailing-stop-faq.md). |
| aboveTimeInForce | DECIMAL | NO | Required if aboveType is STOP\_LOSS\_LIMIT or TAKE\_PROFIT\_LIMIT |
| aboveStrategyId | INT | NO | Arbitrary numeric value identifying the above leg order within an order strategy. |
| aboveStrategyType | INT | NO | Arbitrary numeric value identifying the above leg order strategy.  Values smaller than 1000000 are reserved and cannot be used. |
| belowType | ENUM | YES | Supported values: STOP\_LOSS, STOP\_LOSS\_LIMIT, TAKE\_PROFIT,TAKE\_PROFIT\_LIMIT |
| belowClientOrderId | STRING | NO | Arbitrary unique ID among open orders for the below leg order. Automatically generated if not sent |
| belowIcebergQty | LONG | NO | Note that this can only be used if belowTimeInForce is GTC. |
| belowPrice | DECIMAL | NO | Can be used if belowType is STOP\_LOSS\_LIMIT , LIMIT\_MAKER, or TAKE\_PROFIT\_LIMIT to specify the limit price. |
| belowStopPrice | DECIMAL | NO | Can be used if belowType is STOP\_LOSS, STOP\_LOSS\_LIMIT, TAKE\_PROFIT or TAKE\_PROFIT\_LIMIT. |

Either belowStopPrice or belowTrailingDelta or both, must be specified. belowTrailingDelta |LONG |NO |See [Trailing Stop order FAQ](https://github.com/binance/binance-spot-api-docs/blob/master/faqs/trailing-stop-faq.md). belowTimeInForce |ENUM |NO |Required if belowType is STOP\_LOSS\_LIMIT or TAKE\_PROFIT\_LIMIT belowStrategyId |INT |NO |Arbitrary numeric value identifying the below leg order within an order strategy. belowStrategyType |INT |NO |Arbitrary numeric value identifying the below leg order strategy.   
Values smaller than 1000000 are reserved and cannot be used. newOrderRespType |ENUM |NO |Select response format: ACK, RESULT, FULL selfTradePreventionMode|ENUM |NO |The allowed enums is dependent on what is configured on the symbol. The possible supported values are EXPIRE\_TAKER, EXPIRE\_MAKER, EXPIRE\_BOTH, NONE. recvWindow |LONG |NO |The value cannot be greater than 60000. timestamp |LONG |YES |

**Data Source:** Matching Engine

## New Order List - OTO (TRADE)

**Response:**

{

"orderListId": 0,

"contingencyType": "OTO",

"listStatusType": "EXEC\_STARTED",

"listOrderStatus": "EXECUTING",

"listClientOrderId": "yl2ERtcar1o25zcWtqVBTC",

"transactionTime": 1712289389158,

"symbol": "ABCDEF",

"orders": [

{

"symbol": "LTCBTC",

"orderId": 4,

"clientOrderId": "Bq17mn9fP6vyCn75Jw1xya"

},

{

"symbol": "LTCBTC",

"orderId": 5,

"clientOrderId": "arLFo0zGJVDE69cvGBaU0d"

}

],

"orderReports": [

{

"symbol": "LTCBTC",

"orderId": 4,

"orderListId": 0,

"clientOrderId": "Bq17mn9fP6vyCn75Jw1xya",

"transactTime": 1712289389158,

"price": "1.00000000",

"origQty": "1.00000000",

"executedQty": "0.00000000",

"origQuoteOrderQty": "0.000000",

"cummulativeQuoteQty": "0.00000000",

"status": "NEW",

"timeInForce": "GTC",

"type": "LIMIT",

"side": "SELL",

"workingTime": 1712289389158,

"selfTradePreventionMode": "NONE"

},

{

"symbol": "LTCBTC",

"orderId": 5,

"orderListId": 0,

"clientOrderId": "arLFo0zGJVDE69cvGBaU0d",

"transactTime": 1712289389158,

"price": "0.00000000",

"origQty": "5.00000000",

"executedQty": "0.00000000",

"origQuoteOrderQty": "0.000000",

"cummulativeQuoteQty": "0.00000000",

"status": "PENDING\_NEW",

"timeInForce": "GTC",

"type": "MARKET",

"side": "BUY",

"workingTime": -1,

"selfTradePreventionMode": "NONE"

}

]

}

POST /api/v3/orderList/oto

* An OTO (One-Triggers-the-Other) is an order list comprised of 2 orders.
* The first order is called the **working order** and must be LIMIT or LIMIT\_MAKER. Initially, only the working order goes on the order book.
* The second order is called the **pending order**. It can be any order type except for MARKET orders using parameter quoteOrderQty. The pending order is only placed on the order book when the working order gets **fully filled**.
* If either the working order or the pending order is cancelled individually, the other order in the order list will also be canceled or expired.
* When the order list is placed, if the working order gets **immediately fully filled**, the placement response will show the working order as FILLED but the pending order will still appear as PENDING\_NEW. You need to query the status of the pending order again to see its updated status.
* OTOs add **2 orders** to the unfilled order count., EXCHANGE\_MAX\_NUM\_ORDERS filter and MAX\_NUM\_ORDERS filter.

**Weight:(IP)** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES |  |
| listClientOrderId | STRING | NO | Arbitrary unique ID among open order lists. Automatically generated if not sent.  A new order list with the same listClientOrderId is accepted only when the previous one is filled or completely expired.  listClientOrderId is distinct from the workingClientOrderId and the pendingClientOrderId. |
| newOrderRespType | ENUM | NO | Format of the JSON response. Supported values: ACK, FULL, RESULT |
| selfTradePreventionMode | ENUM | NO | The allowed values are dependent on what is configured on the symbol. |
| workingType | ENUM | YES | Supported values: LIMIT,LIMIT\_MAKER |
| workingSide | ENUM | YES | Supported values: BUY, SELL |
| workingClientOrderId | STRING | NO | Arbitrary unique ID among open orders for the working order. Automatically generated if not sent. |
| workingPrice | DECIMAL | YES |  |
| workingQuantity | DECIMAL | YES | Sets the quantity for the working order. |
| workingIcebergQty | DECIMAL | YES | This can only be used if workingTimeInForce is GTC or if workingType is LIMIT\_MAKER. |
| workingTimeInForce | ENUM | NO | Supported values: FOK, IOC, GTC |
| workingStrategyId | INT | NO | Arbitrary numeric value identifying the working order within an order strategy. |
| workingStrategyType | INT | NO | Arbitrary numeric value identifying the working order strategy.  Values smaller than 1000000 are reserved and cannot be used. |
| pendingType | ENUM | YES | Note that MARKET orders using quoteOrderQty are not supported. |
| pendingSide | ENUM | YES | Supported values: BUY, SELL |
| pendingClientOrderId | STRING | NO | Arbitrary unique ID among open orders for the pending order. Automatically generated if not sent. |
| pendingPrice | DECIMAL | NO |  |
| pendingStopPrice | DECIMAL | NO |  |
| pendingTrailingDelta | DECIMAL | NO |  |
| pendingQuantity | DECIMAL | YES | Sets the quantity for the pending order. |
| pendingIcebergQty | DECIMAL | NO | This can only be used if pendingTimeInForce is GTC or if pendingType is LIMIT\_MAKER. |
| pendingTimeInForce | ENUM | NO | Supported values: GTC, FOK, IOC |
| pendingStrategyId | INT | NO | Arbitrary numeric value identifying the pending order within an order strategy. |
| pendingStrategyType | INT | NO | Arbitrary numeric value identifying the pending order strategy.  Values smaller than 1000000 are reserved and cannot be used. |
| recvWindow | LONG | NO | The value cannot be greater than 60000. |
| timestamp | LONG | YES |  |

**Mandatory parameters based on pendingType or workingType**

Depending on the pendingType or workingType, some optional parameters will become mandatory.

| **Type** | **Additional mandatory parameters** | **Additional information** |
| --- | --- | --- |
| workingType = LIMIT | workingTimeInForce |  |
| pendingType = LIMIT | pendingPrice, pendingTimeInForce |  |
| pendingType = STOP\_LOSS or TAKE\_PROFIT | pendingStopPrice and/or pendingTrailingDelta |  |
| pendingType = STOP\_LOSS\_LIMIT or TAKE\_PROFIT\_LIMIT | pendingPrice, pendingStopPrice and/or pendingTrailingDelta, pendingTimeInForce |  |

**Data Source:**

Matching Engine

## New Order List - OTOCO (TRADE)

**Response:**

{

"orderListId": 1,

"contingencyType": "OTO",

"listStatusType": "EXEC\_STARTED",

"listOrderStatus": "EXECUTING",

"listClientOrderId": "RumwQpBaDctlUu5jyG5rs0",

"transactionTime": 1712291372842,

"symbol": "ABCDEF",

"orders": [

{

"symbol": "LTCBTC",

"orderId": 6,

"clientOrderId": "fM9Y4m23IFJVCQmIrlUmMK"

},

{

"symbol": "LTCBTC",

"orderId": 7,

"clientOrderId": "6pcQbFIzTXGZQ1e2MkGDq4"

},

{

"symbol": "LTCBTC",

"orderId": 8,

"clientOrderId": "r4JMv9cwAYYUwwBZfbussx"

}

],

"orderReports": [

{

"symbol": "LTCBTC",

"orderId": 6,

"orderListId": 1,

"clientOrderId": "fM9Y4m23IFJVCQmIrlUmMK",

"transactTime": 1712291372842,

"price": "1.00000000",

"origQty": "1.00000000",

"executedQty": "0.00000000",

"origQuoteOrderQty": "0.000000",

"cummulativeQuoteQty": "0.00000000",

"status": "NEW",

"timeInForce": "GTC",

"type": "LIMIT",

"side": "SELL",

"workingTime": 1712291372842,

"selfTradePreventionMode": "NONE"

},

{

"symbol": "LTCBTC",

"orderId": 7,

"orderListId": 1,

"clientOrderId": "6pcQbFIzTXGZQ1e2MkGDq4",

"transactTime": 1712291372842,

"price": "1.00000000",

"origQty": "5.00000000",

"executedQty": "0.00000000",

"origQuoteOrderQty": "0.000000",

"cummulativeQuoteQty": "0.00000000",

"status": "PENDING\_NEW",

"timeInForce": "IOC",

"type": "STOP\_LOSS\_LIMIT",

"side": "BUY",

"stopPrice": "6.00000000",

"workingTime": -1,

"selfTradePreventionMode": "NONE"

},

{

"symbol": "LTCBTC",

"orderId": 8,

"orderListId": 1,

"clientOrderId": "r4JMv9cwAYYUwwBZfbussx",

"transactTime": 1712291372842,

"price": "3.00000000",

"origQty": "5.00000000",

"executedQty": "0.00000000",

"origQuoteOrderQty": "0.000000",

"cummulativeQuoteQty": "0.00000000",

"status": "PENDING\_NEW",

"timeInForce": "GTC",

"type": "LIMIT\_MAKER",

"side": "BUY",

"workingTime": -1,

"selfTradePreventionMode": "NONE"

}

]

}

POST /api/v3/orderList/otoco

Place an OTOCO.

* An OTOCO (One-Triggers-One-Cancels-the-Other) is an order list comprised of 3 orders.
* The first order is called the **working order** and must be LIMIT or LIMIT\_MAKER. Initially, only the working order goes on the order book.
  + The behavior of the working order is the same as the [OTO](https://binance-docs.github.io/apidocs/spot/en/#rest-oco).
* OTOCO has 2 pending orders (pending above and pending below), forming an OCO pair. The pending orders are only placed on the order book when the working order gets **fully filled**.
  + The rules of the pending above and pending below follow the same rules as the [Order List OCO](https://binance-docs.github.io/apidocs/spot/en/#new-order-list---oco-trade).
* OTOCOs add **3 orders** against the unfilled order count, EXCHANGE\_MAX\_NUM\_ORDERS filter, and MAX\_NUM\_ORDERS filter.

**Weight:(IP)** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES |  |
| listClientOrderId | STRING | NO | Arbitrary unique ID among open order lists. Automatically generated if not sent.  A new order list with the same listClientOrderId is accepted only when the previous one is filled or completely expired.  listClientOrderId is distinct from the workingClientOrderId, pendingAboveClientOrderId, and the pendingBelowClientOrderId. |
| newOrderRespType | ENUM | NO | Format the JSON response. Supported values: ACK, FULL, RESPONSE |
| selfTradePreventionMode | ENUM | NO | The allowed values are dependent on what is configured on the symbol. |
| workingType | ENUM | YES | Supported values: LIMIT, LIMIT\_MAKER |
| workingSide | ENUM | YES | Supported values: BUY, SELL |
| workingClientOrderId | STRING | NO | Arbitrary unique ID among open orders for the working order. Automatically generated if not sent. |
| workingPrice | DECIMAL | YES |  |
| workingQuantity | DECIMAL | YES |  |
| workingIcebergQty | DECIMAL | NO | This can only be used if workingTimeInForce is GTC or if workingType is LIMIT\_MAKER. |
| workingTimeInForce | ENUM | NO | Supported values: GTC, IOC, FOK |
| workingStrategyId | INT | NO | Arbitrary numeric value identifying the working order within an order strategy. |
| workingStrategyType | INT | NO | Arbitrary numeric value identifying the working order strategy.  Values smaller than 1000000 are reserved and cannot be used. |
| pendingSide | ENUM | YES | Supported values: BUY, SELL |
| pendingQuantity | DECIMAL | YES |  |
| pendingAboveType | ENUM | YES | Supported values: STOP\_LOSS\_LIMIT, STOP\_LOSS, LIMIT\_MAKER, TAKE\_PROFIT, TAKE\_PROFIT\_LIMIT |
| pendingAboveClientOrderId | STRING | NO | Arbitrary unique ID among open orders for the pending above order. Automatically generated if not sent. |
| pendingAbovePrice | DECIMAL | NO | Can be used if pendingAboveType is STOP\_LOSS\_LIMIT , LIMIT\_MAKER, or TAKE\_PROFIT\_LIMIT to specify the limit price. |
| pendingAboveStopPrice | DECIMAL | NO | Can be used if pendingAboveType is STOP\_LOSS, STOP\_LOSS\_LIMIT, TAKE\_PROFIT, TAKE\_PROFIT\_LIMIT |
| pendingAboveTrailingDelta | DECIMAL | NO |  |
| pendingAboveIcebergQty | DECIMAL | NO | This can only be used if pendingAboveTimeInForce is GTC or if pendingAboveType is LIMIT\_MAKER. |
| pendingAboveTimeInForce | ENUM | NO |  |
| pendingAboveStrategyId | INT | NO | Arbitrary numeric value identifying the pending above order within an order strategy. |
| pendingAboveStrategyType | INT | NO | Arbitrary numeric value identifying the pending above order strategy.  Values smaller than 1000000 are reserved and cannot be used. |
| pendingBelowType | ENUM | NO | Supported values: STOP\_LOSS, STOP\_LOSS\_LIMIT, TAKE\_PROFIT,TAKE\_PROFIT\_LIMIT |
| pendingBelowClientOrderId | STRING | NO | Arbitrary unique ID among open orders for the pending below order. Automatically generated if not sent. |
| pendingBelowPrice | DECIMAL | NO | Can be used if pendingBelowType is STOP\_LOSS\_LIMIT or TAKE\_PROFIT\_LIMIT to specify limit price |
| pendingBelowStopPrice | DECIMAL | NO | Can be used if pendingBelowType is STOP\_LOSS, STOP\_LOSS\_LIMIT, TAKE\_PROFIT or TAKE\_PROFIT\_LIMIT. |

Either pendingBelowStopPrice or pendingBelowTrailingDelta or both, must be specified. pendingBelowTrailingDelta|DECIMAL|NO | pendingBelowIcebergQty |DECIMAL|NO |This can only be used if pendingBelowTimeInForce is GTC or if pendingBelowType is LIMIT\_MAKER. pendingBelowTimeInForce |ENUM |NO | pendingBelowStrategyId |INT |NO |Arbitrary numeric value identifying the pending below order within an order strategy. pendingBelowStrategyType |INT |NO |Arbitrary numeric value identifying the pending below order strategy.   
Values smaller than 1000000 are reserved and cannot be used. recvWindow |LONG |NO |The value cannot be greater than 60000. timestamp |LONG |YES |

**Mandatory parameters based on pendingAboveType, pendingBelowType or workingType**

Depending on the pendingAboveType/pendingBelowType or workingType, some optional parameters will become mandatory.

| **Type** | **Additional mandatory parameters** | **Additional information** |
| --- | --- | --- |
| workingType = LIMIT | workingTimeInForce |  |
| pendingAboveType= LIMIT\_MAKER | pendingAbovePrice |  |
| pendingAboveType= STOP\_LOSS/TAKE\_PROFIT | pendingAboveStopPrice and/or pendingAboveTrailingDelta |  |
| pendingAboveType=STOP\_LOSS\_LIMIT/TAKE\_PROFIT\_LIMIT | pendingAbovePrice, pendingAboveStopPrice and/or pendingAboveTrailingDelta, pendingAboveTimeInForce |  |
| pendingBelowType= LIMIT\_MAKER | pendingBelowPrice |  |
| pendingBelowType= STOP\_LOSS/TAKE\_PROFIT | pendingBelowStopPrice and/or pendingBelowTrailingDelta |  |
| pendingBelowType=STOP\_LOSS\_LIMIT/TAKE\_PROFIT\_LIMIT | pendingBelowPrice, pendingBelowStopPrice and/or pendingBelowTrailingDelta, pendingBelowTimeInForce |  |

**Data Source:**

Matching Engine

## Cancel Order lists (TRADE)

**Response:**

{

"orderListId": 0,

"contingencyType": "OCO",

"listStatusType": "ALL\_DONE",

"listOrderStatus": "ALL\_DONE",

"listClientOrderId": "C3wyj4WVEktd7u9aVBRXcN",

"transactionTime": 1574040868128,

"symbol": "LTCBTC",

"orders": [

{

"symbol": "LTCBTC",

"orderId": 2,

"clientOrderId": "pO9ufTiFGg3nw2fOdgeOXa"

},

{

"symbol": "LTCBTC",

"orderId": 3,

"clientOrderId": "TXOvglzXuaubXAaENpaRCB"

}

],

"orderReports": [

{

"symbol": "LTCBTC",

"origClientOrderId": "pO9ufTiFGg3nw2fOdgeOXa",

"orderId": 2,

"orderListId": 0,

"clientOrderId": "unfWT8ig8i0uj6lPuYLez6",

"transactTime": 1688005070874,

"price": "1.00000000",

"origQty": "10.00000000",

"executedQty": "0.00000000",

"origQuoteOrderQty": "0.000000",

"cummulativeQuoteQty": "0.00000000",

"status": "CANCELED",

"timeInForce": "GTC",

"type": "STOP\_LOSS\_LIMIT",

"side": "SELL",

"stopPrice": "1.00000000",

"selfTradePreventionMode": "NONE"

},

{

"symbol": "LTCBTC",

"origClientOrderId": "TXOvglzXuaubXAaENpaRCB",

"orderId": 3,

"orderListId": 0,

"clientOrderId": "unfWT8ig8i0uj6lPuYLez6",

"transactTime": 1688005070874,

"price": "3.00000000",

"origQty": "10.00000000",

"executedQty": "0.00000000",

"origQuoteOrderQty": "0.000000",

"cummulativeQuoteQty": "0.00000000",

"status": "CANCELED",

"timeInForce": "GTC",

"type": "LIMIT\_MAKER",

"side": "SELL",

"selfTradePreventionMode": "NONE"

}

]

}

DELETE /api/v3/orderList

Cancel an entire Order List.

**Weight(IP)**: 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES |  |
| orderListId | LONG | NO | Either orderListId or listClientOrderId must be provided |
| listClientOrderId | STRING | NO | Either orderListId or listClientOrderId must be provided |
| newClientOrderId | STRING | NO | Used to uniquely identify this cancel. Automatically generated by default |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

Additional notes:

* Canceling an individual leg will cancel the entire OCO
* If both orderListId and listClientOrderID are provided, orderId takes precedence.

**Data Source:** Matching Engine

## Query Order lists (USER\_DATA)

**Response:**

{

"orderListId": 27,

"contingencyType": "OCO",

"listStatusType": "EXEC\_STARTED",

"listOrderStatus": "EXECUTING",

"listClientOrderId": "h2USkA5YQpaXHPIrkd96xE",

"transactionTime": 1565245656253,

"symbol": "LTCBTC",

"orders": [

{

"symbol": "LTCBTC",

"orderId": 4,

"clientOrderId": "qD1gy3kc3Gx0rihm9Y3xwS"

},

{

"symbol": "LTCBTC",

"orderId": 5,

"clientOrderId": "ARzZ9I00CPM8i3NhmU9Ega"

}

]

}

GET /api/v3/orderList

Retrieves a specific Order list based on provided optional parameters

**Weight(IP)**: 4

**Parameters**:

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| orderListId | LONG | NO | Either orderListId or origClientOrderId must be provided |
| origClientOrderId | STRING | NO | Either orderListId or origClientOrderId must be provided |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

**Data Source:** Database

## Query all Order lists (USER\_DATA)

**Response:**

[

{

"orderListId": 29,

"contingencyType": "OCO",

"listStatusType": "EXEC\_STARTED",

"listOrderStatus": "EXECUTING",

"listClientOrderId": "amEEAXryFzFwYF1FeRpUoZ",

"transactionTime": 1565245913483,

"symbol": "LTCBTC",

"orders": [

{

"symbol": "LTCBTC",

"orderId": 4,

"clientOrderId": "oD7aesZqjEGlZrbtRpy5zB"

},

{

"symbol": "LTCBTC",

"orderId": 5,

"clientOrderId": "Jr1h6xirOxgeJOUuYQS7V3"

}

]

},

{

"orderListId": 28,

"contingencyType": "OCO",

"listStatusType": "EXEC\_STARTED",

"listOrderStatus": "EXECUTING",

"listClientOrderId": "hG7hFNxJV6cZy3Ze4AUT4d",

"transactionTime": 1565245913407,

"symbol": "LTCBTC",

"orders": [

{

"symbol": "LTCBTC",

"orderId": 2,

"clientOrderId": "j6lFOfbmFMRjTYA7rRJ0LP"

},

{

"symbol": "LTCBTC",

"orderId": 3,

"clientOrderId": "z0KCjOdditiLS5ekAFtK81"

}

]

}

]

GET /api/v3/allOrderList

Retrieves all Order lists based on provided optional parameters

**Weight(IP)**: 20

**Parameters**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| fromId | LONG | NO | If supplied, neither startTime or endTime can be provided |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| limit | INT | NO | Default Value: 500; Max Value: 1000 |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

**Data Source:** Database

## Query Open Order lists (USER\_DATA)

**Response:**

[

{

"orderListId": 31,

"contingencyType": "OCO",

"listStatusType": "EXEC\_STARTED",

"listOrderStatus": "EXECUTING",

"listClientOrderId": "wuB13fmulKj3YjdqWEcsnp",

"transactionTime": 1565246080644,

"symbol": "LTCBTC",

"orders": [

{

"symbol": "LTCBTC",

"orderId": 4,

"clientOrderId": "r3EH2N76dHfLoSZWIUw1bT"

},

{

"symbol": "LTCBTC",

"orderId": 5,

"clientOrderId": "Cv1SnyPD3qhqpbjpYEHbd2"

}

]

}

]

GET /api/v3/openOrderList

**Weight(IP)**: 6

**Parameters**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

**Data Source:** Database

## New order using SOR (TRADE)

**Response:**

{

"symbol": "BTCUSDT",

"orderId": 2,

"orderListId": -1,

"clientOrderId": "sBI1KM6nNtOfj5tccZSKly",

"transactTime": 1689149087774,

"price": "31000.00000000",

"origQty": "0.50000000",

"executedQty": "0.50000000",

"cummulativeQuoteQty": "14000.00000000",

"status": "FILLED",

"timeInForce": "GTC",

"type": "LIMIT",

"side": "BUY",

"workingTime": 1689149087774,

"fills": [

{

"matchType": "ONE\_PARTY\_TRADE\_REPORT",

"price": "28000.00000000",

"qty": "0.50000000",

"commission": "0.00000000",

"commissionAsset": "BTC",

"tradeId": -1,

"allocId": 0

}

],

"workingFloor": "SOR",

"selfTradePreventionMode": "NONE",

"usedSor": true

}

POST /api/v3/sor/order

Places an order using smart order routing (SOR).

**Weight:** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES |  |
| side | ENUM | YES |  |
| type | ENUM | YES |  |
| timeInForce | ENUM | NO |  |
| quantity | DECIMAL | YES |  |
| price | DECIMAL | NO |  |
| newClientOrderId | STRING | NO | A unique id among open orders. Automatically generated if not sent. Orders with the same newClientOrderID can be accepted only when the previous one is filled, otherwise the order will be rejected. |
| strategyId | INT | NO |  |
| strategyType | INT | NO | The value cannot be less than 1000000. |
| icebergQty | DECIMAL | NO | Used with LIMIT to create an iceberg order. |
| newOrderRespType | ENUM | NO | Set the response JSON. ACK, RESULT, or FULL. Default to FULL |
| selfTradePreventionMode | ENUM | NO | The allowed enums is dependent on what is configured on the symbol. The possible supported values are EXPIRE\_TAKER, EXPIRE\_MAKER, EXPIRE\_BOTH, NONE. |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

**Note:** POST /api/v3/sor/order only supports LIMIT and MARKET orders. quoteOrderQty is not supported.

**Data Source:** Matching Engine

## Test new order using SOR (TRADE)

**Response:**

{}

OR

{

"standardCommissionForOrder": { //Standard commission rates on trades from the order.

"maker": "0.00000112",

"taker": "0.00000114",

},

"taxCommissionForOrder": { //Tax commission rates for trades from the order.

"maker": "0.00000112",

"taker": "0.00000114",

},

"discount": { //Discount on standard commissions when paying in BNB.

"enabledForAccount": true,

"enabledForSymbol": true,

"discountAsset": "BNB",

"discount": "0.25000000" //Standard commission is reduced by this rate when paying commission in BNB.

}

}

POST /api/v3/sor/order/test

Test new order creation and signature/recvWindow using smart order routing (SOR). Creates and validates a new order but does not send it into the matching engine.

**Weight:**

| **Condition** | **Request Weight** |
| --- | --- |
| Without computeCommissionRates | 1 |
| With computeCommissionRates | 20 |

**Parameters:**

In addition to all parameters accepted by POST /api/v3/sor/order, the following optional parameters are also accepted:

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| computeCommissionRates | BOOLEAN | NO | Default: false |

# Spot Account Endpoints

## Account Information (USER\_DATA)

**Response:**

{

"makerCommission": 15,

"takerCommission": 15,

"buyerCommission": 0,

"sellerCommission": 0,

"commissionRates": {

"maker": "0.00150000",

"taker": "0.00150000",

"buyer": "0.00000000",

"seller": "0.00000000"

},

"canTrade": true,

"canWithdraw": true,

"canDeposit": true,

"brokered": false,

"requireSelfTradePrevention": false,

"preventSor": false,

"updateTime": 123456789,

"accountType": "SPOT",

"balances": [

{

"asset": "BTC",

"free": "4723846.89208129",

"locked": "0.00000000"

},

{

"asset": "LTC",

"free": "4763368.68006011",

"locked": "0.00000000"

}

],

"permissions": [

"SPOT"

],

"uid": 354937868

}

GET /api/v3/account

Get current account information.

**Weight(IP):** 20

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| omitZeroBalances | BOOLEAN | NO | When set to true, emits only the non-zero balances of an account.  Default value: false |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

**Data Source:** Memory => Database

## Account Trade List (USER\_DATA)

**Response:**

[

{

"symbol": "BNBBTC",

"id": 28457,

"orderId": 100234,

"orderListId": -1, //Unless an order list, the value will always be -1

"price": "4.00000100",

"qty": "12.00000000",

"quoteQty": "48.000012",

"commission": "10.10000000",

"commissionAsset": "BNB",

"time": 1499865549590,

"isBuyer": true,

"isMaker": false,

"isBestMatch": true

}

]

GET /api/v3/myTrades

Get trades for a specific account and symbol.

**Weight(IP):** 20

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES |  |
| orderId | LONG | NO | This can only be used in combination with symbol. |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| fromId | LONG | NO | TradeId to fetch from. Default gets most recent trades. |
| limit | INT | NO | Default 500; max 1000. |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

**Notes:**

* If fromId is set, it will get id >= that fromId. Otherwise most recent trades are returned.
* The time between startTime and endTime can't be longer than 24 hours.
* These are the supported combinations of all parameters:
  + symbol
  + symbol + orderId
  + symbol + startTime
  + symbol + endTime
  + symbol + fromId
  + symbol + startTime + endTime
  + symbol+ orderId + fromId

**Data Source:** Memory => Database

## Query Unfilled Order Count (USER\_DATA)

**Response:**

[

{

"rateLimitType": "ORDERS",

"interval": "SECOND",

"intervalNum": 10,

"limit": 10000,

"count": 0

},

{

"rateLimitType": "ORDERS",

"interval": "DAY",

"intervalNum": 1,

"limit": 20000,

"count": 0

}

]

GET /api/v3/rateLimit/order

Displays the user's unfilled order count for all intervals.

**Weight(IP):** 40

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

**Data Source:** Memory

## Query Prevented Matches (USER\_DATA)

**Response:**

[

{

"symbol": "BTCUSDT",

"preventedMatchId": 1,

"takerOrderId": 5,

"makerOrderId": 3,

"tradeGroupId": 1,

"selfTradePreventionMode": "EXPIRE\_MAKER",

"price": "1.100000",

"makerPreventedQuantity": "1.300000",

"transactTime": 1669101687094

}

]

GET /api/v3/myPreventedMatches

Displays the list of orders that were expired because of STP.

For additional information on what a Prevented match is, as well as Self Trade Prevention (STP), please refer to our [STP FAQ](https://github.com/binance/binance-spot-api-docs/blob/master/faqs/stp_faq.md) page.

These are the combinations supported:

* symbol + preventedMatchId
* symbol + orderId
* symbol + orderId + fromPreventedMatchId (limit will default to 500)
* symbol + orderId + fromPreventedMatchId + limit

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES |  |
| preventedMatchId | LONG | NO |  |
| orderId | LONG | NO |  |
| fromPreventedMatchId | LONG | NO |  |
| limit | INT | NO | Default: 500; Max: 1000 |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

**Weight(IP)**

| **Case** | **Weight** |
| --- | --- |
| If symbol is invalid | 2 |
| Querying by preventedMatchId | 2 |
| Querying by orderId | 20 |

**Data Source:**

Database

## Query Allocations (USER\_DATA)

**Response:**

[

{

"symbol": "BTCUSDT",

"allocationId": 0,

"allocationType": "SOR",

"orderId": 1,

"orderListId": -1,

"price": "1.00000000",

"qty": "5.00000000",

"quoteQty": "5.00000000",

"commission": "0.00000000",

"commissionAsset": "BTC",

"time": 1687506878118,

"isBuyer": true,

"isMaker": false,

"isAllocator": false

}

]

GET /api/v3/myAllocations

Retrieves allocations resulting from SOR order placement.

**Weight:** 20

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | Yes |  |
| startTime | LONG | No |  |
| endTime | LONG | No |  |
| fromAllocationId | INT | No |  |
| limit | INT | No | Default 500;Max 1000 |
| orderId | LONG | No |  |
| recvWindow | LONG | No | The value cannot be greater than 60000. |
| timestamp | LONG | No |  |

Supported parameter combinations:

| **Parameters** | **Response** |
| --- | --- |
| symbol | allocations from oldest to newest |
| symbol + startTime | oldest allocations since startTime |
| symbol + endTime | newest allocations until endTime |
| symbol + startTime + endTime | allocations within the time range |
| symbol + fromAllocationId | allocations by allocation ID |
| symbol + orderId | allocations related to an order starting with oldest |
| symbol + orderId + fromAllocationId | allocations related to an order by allocation ID |

**Note:** The time between startTime and endTime can't be longer than 24 hours.

**Data Source:** Database

## Query Commission Rates (USER\_DATA)

**Response:**

{

"symbol": "BTCUSDT",

"standardCommission": { //Standard commission rates on trades from the order.

"maker": "0.00000010",

"taker": "0.00000020",

"buyer": "0.00000030",

"seller": "0.00000040"

},

"taxCommission": { //Tax commission rates for trades from the order.

"maker": "0.00000112",

"taker": "0.00000114",

"buyer": "0.00000118",

"seller": "0.00000116"

},

"discount": { //Discount commission when paying in BNB

"enabledForAccount": true,

"enabledForSymbol": true,

"discountAsset": "BNB",

"discount": "0.75000000" //Standard commission is reduced by this rate when paying commission in BNB.

}

}

GET /api/v3/account/commission

Get current account commission rates.

**Weight:** 20

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES |  |

**Data Source:** Database

# Margin Account/Trade

## Margin account borrow/repay(MARGIN)

**Response:**

{

//transaction id

"tranId": 100000001

}

POST /sapi/v1/margin/borrow-repay

Margin account borrow/repay(MARGIN)

**Weight(UID):** 1500

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| asset | STRING | YES |  |
| isIsolated | STRING | YES | TRUE for Isolated Margin, FALSE for Cross Margin, Default FALSE |
| symbol | STRING | YES | Only for Isolated margin |
| amount | STRING | YES |  |
| type | STRING | YES | BORROW or REPAY |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

## Query borrow/repay records in Margin account(USER\_DATA)

**Response:**

{

"rows": [

{

"isolatedSymbol": "BNBUSDT", // isolated symbol, will not be returned for crossed margin

"amount": "14.00000000", // Total amount borrowed/repaid

"asset": "BNB",

"interest": "0.01866667", // Interest repaid

"principal": "13.98133333", // Principal repaid

"status": "CONFIRMED", //one of PENDING (pending execution), CONFIRMED (successfully execution), FAILED (execution failed, nothing happened to your account);

"timestamp": 1563438204000,

"txId": 2970933056

}

],

"total": 1

}

GET /sapi/v1/margin/borrow-repay

Query borrow/repay records in Margin account

**Weight(IP):** 10

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| asset | STRING | NO |  |
| isolatedSymbol | STRING | NO | Symbol in Isolated Margin |
| txId | LONG | NO | tranId in POST /sapi/v1/margin/loan |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| current | LONG | NO | Current querying page. Start from 1. Default:1 |
| size | LONG | NO | Default:10 Max:100 |
| type | STRING | YES | BORROW or REPAY |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

* txId or startTime must be sent. txId takes precedence. Response in descending order
* If an asset is sent, data within 30 days before endTime; If an asset is not sent, data within 7 days before endTime
* If neither startTime nor endTime is sent, the recent 7-day data will be returned.
* startTime set as endTime - 7days by default, endTime set as current time by default

## Get All Margin Assets (MARKET\_DATA)

**Response:**

[

{

"assetFullName": "USD coin",

"assetName": "USDC",

"isBorrowable": true,

"isMortgageable": true,

"userMinBorrow": "0.00000000",

"userMinRepay": "0.00000000",

"delistTime": 1704973040

}

]

GET /sapi/v1/margin/allAssets

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| asset | STRING | NO |  |

## Get All Cross Margin Pairs (MARKET\_DATA)

**Response:**

[

{

"base": "BNB",

"id": 351637150141315861,

"isBuyAllowed": true,

"isMarginTrade": true,

"isSellAllowed": true,

"quote": "BTC",

"symbol": "BNBBTC"

},

{

"base": "TRX",

"id": 351637923235429141,

"isBuyAllowed": true,

"isMarginTrade": true,

"isSellAllowed": true,

"quote": "BTC",

"symbol": "TRXBTC",

"delistTime": 1704973040

},

{

"base": "XRP",

"id": 351638112213990165,

"isBuyAllowed": true,

"isMarginTrade": true,

"isSellAllowed": true,

"quote": "BTC",

"symbol": "XRPBTC"

},

{

"base": "ETH",

"id": 351638524530850581,

"isBuyAllowed": true,

"isMarginTrade": true,

"isSellAllowed": true,

"quote": "BTC",

"symbol": "ETHBTC"

}

]

GET /sapi/v1/margin/allPairs

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | NO |  |

## Query Margin PriceIndex (MARKET\_DATA)

**Response:**

{

"calcTime": 1562046418000,

"price": "0.00333930",

"symbol": "BNBBTC"

}

GET /sapi/v1/margin/priceIndex

**Weight(IP):** 10

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES |  |

## Margin Account New Order (TRADE)

**Response ACK:**

{

"symbol": "BTCUSDT",

"orderId": 28,

"clientOrderId": "6gCrw2kRUAF9CvJDGP16IP",

"isIsolated": true, // if isolated margin

"transactTime": 1507725176595

}

**Response RESULT:**

{

"symbol": "BTCUSDT",

"orderId": 28,

"clientOrderId": "6gCrw2kRUAF9CvJDGP16IP",

"transactTime": 1507725176595,

"price": "1.00000000",

"origQty": "10.00000000",

"executedQty": "10.00000000",

"cummulativeQuoteQty": "30000",

"status": "FILLED",

"timeInForce": "GTC",

"type": "MARKET",

"isIsolated": true, // if isolated margin

"side": "SELL",

"selfTradePreventionMode": "NONE"

}

**Response FULL:**

{

"symbol": "BTCUSDT",

"orderId": 28,

"clientOrderId": "6gCrw2kRUAF9CvJDGP16IP",

"transactTime": 1507725176595,

"price": "1.00000000",

"origQty": "10.00000000",

"executedQty": "10.00000000",

"cummulativeQuoteQty": "39983.00000000",

"status": "FILLED",

"timeInForce": "GTC",

"type": "MARKET",

"side": "SELL",

"marginBuyBorrowAmount": 5, // will not return if no margin trade happens

"marginBuyBorrowAsset": "BTC", // will not return if no margin trade happens

"isIsolated": true, // if isolated margin

"selfTradePreventionMode": "NONE",

"fills": [

{

"price": "4000.00000000",

"qty": "1.00000000",

"commission": "4.00000000",

"commissionAsset": "USDT"

},

{

"price": "3999.00000000",

"qty": "5.00000000",

"commission": "19.99500000",

"commissionAsset": "USDT"

},

{

"price": "3998.00000000",

"qty": "2.00000000",

"commission": "7.99600000",

"commissionAsset": "USDT"

},

{

"price": "3997.00000000",

"qty": "1.00000000",

"commission": "3.99700000",

"commissionAsset": "USDT"

},

{

"price": "3995.00000000",

"qty": "1.00000000",

"commission": "3.99500000",

"commissionAsset": "USDT"

}

]

}

POST /sapi/v1/margin/order

Post a new order for margin account.

**Weight(UID):** 6

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES |  |
| isIsolated | STRING | NO | for isolated margin or not, "TRUE", "FALSE"，default "FALSE" |
| side | ENUM | YES | BUY  SELL |
| type | ENUM | YES |  |
| quantity | DECIMAL | NO |  |
| quoteOrderQty | DECIMAL | NO |  |
| price | DECIMAL | NO |  |
| stopPrice | DECIMAL | NO | Used with STOP\_LOSS, STOP\_LOSS\_LIMIT, TAKE\_PROFIT, and TAKE\_PROFIT\_LIMIT orders. |
| newClientOrderId | STRING | NO | A unique id among open orders. Automatically generated if not sent. |
| icebergQty | DECIMAL | NO | Used with LIMIT, STOP\_LOSS\_LIMIT, and TAKE\_PROFIT\_LIMIT to create an iceberg order. |
| newOrderRespType | ENUM | NO | Set the response JSON. ACK, RESULT, or FULL; MARKET and LIMIT order types default to FULL, all other orders default to ACK. |
| sideEffectType | ENUM | NO | NO\_SIDE\_EFFECT, MARGIN\_BUY, AUTO\_REPAY,AUTO\_BORROW\_REPAY; default NO\_SIDE\_EFFECT. More info in [FAQ](https://www.binance.com/en/support/faq/how-to-use-the-sideeffecttype-parameter-with-the-margin-order-endpoints-f9fc51cda1984bf08b95e0d96c4570bc) |
| timeInForce | ENUM | NO | GTC,IOC,FOK |
| selfTradePreventionMode | ENUM | NO | The allowed enums is dependent on what is configured on the symbol. The possible supported values are EXPIRE\_TAKER, EXPIRE\_MAKER, EXPIRE\_BOTH, NONE |
| autoRepayAtCancel | BOOLEAN | NO | Only when MARGIN\_BUY or AUTO\_BORROW\_REPAY order takes effect, true means that the debt generated by the order needs to be repay after the order is cancelled. The default is true |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

* autoRepayAtCancel is suggested to set as “FALSE” to keep liability unrepaid under high frequent new order/cancel order execution

## Margin Account Cancel Order (TRADE)

**Response:**

{

"symbol": "LTCBTC",

"isIsolated": true, // if isolated margin

"orderId": "28",

"origClientOrderId": "myOrder1",

"clientOrderId": "cancelMyOrder1",

"price": "1.00000000",

"origQty": "10.00000000",

"executedQty": "8.00000000",

"cummulativeQuoteQty": "8.00000000",

"status": "CANCELED",

"timeInForce": "GTC",

"type": "LIMIT",

"side": "SELL"

}

DELETE /sapi/v1/margin/order

Cancel an active order for margin account.

**Weight(IP):** 10

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES |  |
| isIsolated | STRING | NO | for isolated margin or not, "TRUE", "FALSE"，default "FALSE" |
| orderId | LONG | NO |  |
| origClientOrderId | STRING | NO |  |
| newClientOrderId | STRING | NO | Used to uniquely identify this cancel. Automatically generated by default. |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

* Either orderId or origClientOrderId must be sent.

## Margin Account Cancel all Open Orders on a Symbol (TRADE)

**Response:**

[

{

"symbol": "BTCUSDT",

"isIsolated": true, // if isolated margin

"origClientOrderId": "E6APeyTJvkMvLMYMqu1KQ4",

"orderId": 11,

"orderListId": -1,

"clientOrderId": "pXLV6Hz6mprAcVYpVMTGgx",

"price": "0.089853",

"origQty": "0.178622",

"executedQty": "0.000000",

"cummulativeQuoteQty": "0.000000",

"status": "CANCELED",

"timeInForce": "GTC",

"type": "LIMIT",

"side": "BUY",

"selfTradePreventionMode": "NONE"

},

{

"symbol": "BTCUSDT",

"isIsolated": false, // if isolated margin

"origClientOrderId": "A3EF2HCwxgZPFMrfwbgrhv",

"orderId": 13,

"orderListId": -1,

"clientOrderId": "pXLV6Hz6mprAcVYpVMTGgx",

"price": "0.090430",

"origQty": "0.178622",

"executedQty": "0.000000",

"cummulativeQuoteQty": "0.000000",

"status": "CANCELED",

"timeInForce": "GTC",

"type": "LIMIT",

"side": "BUY",

"selfTradePreventionMode": "NONE"

},

{

"orderListId": 1929,

"contingencyType": "OCO",

"listStatusType": "ALL\_DONE",

"listOrderStatus": "ALL\_DONE",

"listClientOrderId": "2inzWQdDvZLHbbAmAozX2N",

"transactionTime": 1585230948299,

"symbol": "BTCUSDT",

"isIsolated": true, // if isolated margin

"orders": [

{

"symbol": "BTCUSDT",

"orderId": 20,

"clientOrderId": "CwOOIPHSmYywx6jZX77TdL"

},

{

"symbol": "BTCUSDT",

"orderId": 21,

"clientOrderId": "461cPg51vQjV3zIMOXNz39"

}

],

"orderReports": [

{

"symbol": "BTCUSDT",

"origClientOrderId": "CwOOIPHSmYywx6jZX77TdL",

"orderId": 20,

"orderListId": 1929,

"clientOrderId": "pXLV6Hz6mprAcVYpVMTGgx",

"price": "0.668611",

"origQty": "0.690354",

"executedQty": "0.000000",

"cummulativeQuoteQty": "0.000000",

"status": "CANCELED",

"timeInForce": "GTC",

"type": "STOP\_LOSS\_LIMIT",

"side": "BUY",

"stopPrice": "0.378131",

"icebergQty": "0.017083"

},

{

"symbol": "BTCUSDT",

"origClientOrderId": "461cPg51vQjV3zIMOXNz39",

"orderId": 21,

"orderListId": 1929,

"clientOrderId": "pXLV6Hz6mprAcVYpVMTGgx",

"price": "0.008791",

"origQty": "0.690354",

"executedQty": "0.000000",

"cummulativeQuoteQty": "0.000000",

"status": "CANCELED",

"timeInForce": "GTC",

"type": "LIMIT\_MAKER",

"side": "BUY",

"icebergQty": "0.639962"

}

]

}

]

DELETE /sapi/v1/margin/openOrders

Cancels all active orders on a symbol for margin account.  
  
This includes Order list orders.

**Weight(IP):** 1

**Parameters**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES |  |
| isIsolated | STRING | NO | for isolated margin or not, "TRUE", "FALSE"，default "FALSE" |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

## Adjust cross margin max leverage (USER\_DATA)

**Response:**

{

"success": true

}

POST /sapi/v1/margin/max-leverage

Adjust cross margin max leverage

**Weight(UID):** 3000

**Request Limit:** 1 times/min per UID

**Parameters**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| maxLeverage | Integer | YES | Can only adjust 3 , 5 or 10，Example: maxLeverage=10 for Cross Margin Pro ，maxLeverage = 5 or 3 for Cross Margin Classic |

* The margin level need higher than the initial risk ratio of adjusted leverage, the initial risk ratio of 3x is 1.5 , the initial risk ratio of 5x is 1.25, the initial risk ratio of 10x is 2.5.

## Get Cross Margin Transfer History (USER\_DATA)

**Response:**

{

"rows": [

{

"amount": "0.10000000",

"asset": "BNB",

"status": "CONFIRMED",

"timestamp": 1566898617,

"txId": 5240372201,

"type": "ROLL\_IN",

"transFrom": "SPOT", //SPOT,FUTURES,FIAT,DELIVERY,MINING,ISOLATED\_MARGIN,FUNDING,MOTHER\_SPOT,OPTION,SUB\_SPOT,SUB\_MARGIN,CROSS\_MARGIN

"transTo": "ISOLATED\_MARGIN",//SPOT,FUTURES,FIAT,DELIVERY,MINING,ISOLATED\_MARGIN,FUNDING,MOTHER\_SPOT,OPTION,SUB\_SPOT,SUB\_MARGIN,CROSS\_MARGIN

},

{

"amount": "5.00000000",

"asset": "USDT",

"status": "CONFIRMED",

"timestamp": 1566888436,

"txId": 5239810406,

"type": "ROLL\_OUT",

"transFrom": "ISOLATED\_MARGIN",//SPOT,FUTURES,FIAT,DELIVERY,MINING,ISOLATED\_MARGIN,FUNDING,MOTHER\_SPOT,OPTION,SUB\_SPOT,SUB\_MARGIN,CROSS\_MARGIN

"transTo": "ISOLATED\_MARGIN", //SPOT,FUTURES,FIAT,DELIVERY,MINING,ISOLATED\_MARGIN,FUNDING,MOTHER\_SPOT,OPTION,SUB\_SPOT,SUB\_MARGIN,CROSS\_MARGIN

"fromSymbol": "BNBUSDT",

"toSymbol": "BTCUSDT"

},

{

"amount": "1.00000000",

"asset": "EOS",

"status": "CONFIRMED",

"timestamp": 1566888403,

"txId": 5239808703,

"type": "ROLL\_IN"

}

],

"total": 3

}

GET /sapi/v1/margin/transfer

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| asset | STRING | NO |  |
| type | STRING | NO | Transfer Type: ROLL\_IN, ROLL\_OUT |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| current | LONG | NO | Currently querying page. Start from 1. Default:1 |
| size | LONG | NO | Default:10 Max:100 |
| isolatedSymbol | STRING | NO | Symbol in Isolated Margin |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

* Response in descending order
* The max interval between startTime and endTime is 30 days.
* Returns data for last 7 days by default

## Get Interest History (USER\_DATA)

**Response:**

{

"rows": [

{

"txId": 1352286576452864727,

"interestAccuredTime": 1672160400000,

"asset": "USDT",

"rawAsset": "USDT", // will not be returned for isolated margin

"principal": "45.3313",

"interest": "0.00024995",

"interestRate": "0.00013233",

"type": "ON\_BORROW",

"isolatedSymbol": "BNBUSDT" // isolated symbol, will not be returned for crossed margin

}

],

"total": 1

}

GET /sapi/v1/margin/interestHistory

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| asset | STRING | NO |  |
| isolatedSymbol | STRING | NO | isolated symbol |
| startTime | LONG | NO | per-second accuracy. milliseconds input will be ignored. e.g. XXXXXXXXXX000ms |
| endTime | LONG | NO | per-second accuracy. milliseconds input will be ignored. e.g. XXXXXXXXXX000ms |
| current | LONG | NO | Currently querying page. Start from 1. Default:1 |
| size | LONG | NO | Default:10 Max:100 |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

* Response in descending order
* If isolatedSymbol is not sent, crossed margin data will be returned
* The max interval between startTime and endTime is 30 days.
* If startTimeand endTime not sent, return records of the last 7 days by default
* Set archived to true to query data from 6 months ago
* type in response has 4 enums:
  + PERIODIC interest charged per hour
  + ON\_BORROW first interest charged on borrow
  + PERIODIC\_CONVERTED interest charged per hour converted into BNB
  + ON\_BORROW\_CONVERTED first interest charged on borrow converted into BNB
  + PORTFOLIO interest charged daily on the portfolio margin negative balance

## Get Force Liquidation Record (USER\_DATA)

**Response:**

{

"rows": [

{

"avgPrice": "0.00388359",

"executedQty": "31.39000000",

"orderId": 180015097,

"price": "0.00388110",

"qty": "31.39000000",

"side": "SELL",

"symbol": "BNBBTC",

"timeInForce": "GTC",

"isIsolated": true,

"updatedTime": 1558941374745

}

],

"total": 1

}

GET /sapi/v1/margin/forceLiquidationRec

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| isolatedSymbol | STRING | NO |  |
| current | LONG | NO | Currently querying page. Start from 1. Default:1 |
| size | LONG | NO | Default:10 Max:100 |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

* Response in descending order

## Query Cross Margin Account Details (USER\_DATA)

**Response:**

{

"created" : true, // True means margin account created , false means margin account not created.

"borrowEnabled": true,

"marginLevel": "11.64405625",

"collateralMarginLevel" : "3.2",

"totalAssetOfBtc": "6.82728457",

"totalLiabilityOfBtc": "0.58633215",

"totalNetAssetOfBtc": "6.24095242",

"totalCollateralValueInUSDT": "5.82728457",

"tradeEnabled": true,

"transferEnabled": true,

"accountType": "MARGIN\_1", // //MARGIN\_1 for Cross Margin Classic, MARGIN\_2 for Cross Margin Pro

"userAssets": [

{

"asset": "BTC",

"borrowed": "0.00000000",

"free": "0.00499500",

"interest": "0.00000000",

"locked": "0.00000000",

"netAsset": "0.00499500"

},

{

"asset": "BNB",

"borrowed": "201.66666672",

"free": "2346.50000000",

"interest": "0.00000000",

"locked": "0.00000000",

"netAsset": "2144.83333328"

},

{

"asset": "ETH",

"borrowed": "0.00000000",

"free": "0.00000000",

"interest": "0.00000000",

"locked": "0.00000000",

"netAsset": "0.00000000"

},

{

"asset": "USDT",

"borrowed": "0.00000000",

"free": "0.00000000",

"interest": "0.00000000",

"locked": "0.00000000",

"netAsset": "0.00000000"

}

]

}

GET /sapi/v1/margin/account

**Weight(IP):** 10

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

## Query Margin Account's Order (USER\_DATA)

**Response:**

{

"clientOrderId": "ZwfQzuDIGpceVhKW5DvCmO",

"cummulativeQuoteQty": "0.00000000",

"executedQty": "0.00000000",

"icebergQty": "0.00000000",

"isWorking": true,

"orderId": 213205622,

"origQty": "0.30000000",

"price": "0.00493630",

"side": "SELL",

"status": "NEW",

"stopPrice": "0.00000000",

"symbol": "BNBBTC",

"isIsolated": true,

"time": 1562133008725,

"timeInForce": "GTC",

"type": "LIMIT",

"selfTradePreventionMode": "NONE",

"updateTime": 1562133008725

}

GET /sapi/v1/margin/order

**Weight(IP):** 10

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES |  |
| isIsolated | STRING | NO | for isolated margin or not, "TRUE", "FALSE"，default "FALSE" |
| orderId | LONG | NO |  |
| origClientOrderId | STRING | NO |  |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

* Either orderId or origClientOrderId must be sent.
* For some historical orders cummulativeQuoteQty will be < 0, meaning the data is not available at this time.

## Query Margin Account's Open Orders (USER\_DATA)

**Response:**

[

{

"clientOrderId": "qhcZw71gAkCCTv0t0k8LUK",

"cummulativeQuoteQty": "0.00000000",

"executedQty": "0.00000000",

"icebergQty": "0.00000000",

"isWorking": true,

"orderId": 211842552,

"origQty": "0.30000000",

"price": "0.00475010",

"side": "SELL",

"status": "NEW",

"stopPrice": "0.00000000",

"symbol": "BNBBTC",

"isIsolated": true,

"time": 1562040170089,

"timeInForce": "GTC",

"type": "LIMIT",

"selfTradePreventionMode": "NONE",

"updateTime": 1562040170089

}

]

GET /sapi/v1/margin/openOrders

**Weight(IP):** 10

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | NO |  |
| isIsolated | STRING | NO | for isolated margin or not, "TRUE", "FALSE"，default "FALSE" |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

* If the symbol is not sent, orders for all symbols will be returned in an array.
* When all symbols are returned, the number of requests counted against the rate limiter is equal to the number of symbols currently trading on the exchange.
* If isIsolated ="TRUE", symbol must be sent.

## Query Margin Account's All Orders (USER\_DATA)

**Response:**

[

{

"clientOrderId": "D2KDy4DIeS56PvkM13f8cP",

"cummulativeQuoteQty": "0.00000000",

"executedQty": "0.00000000",

"icebergQty": "0.00000000",

"isWorking": false,

"orderId": 41295,

"origQty": "5.31000000",

"price": "0.22500000",

"side": "SELL",

"status": "CANCELED",

"stopPrice": "0.18000000",

"symbol": "BNBBTC",

"isIsolated": false,

"time": 1565769338806,

"timeInForce": "GTC",

"type": "TAKE\_PROFIT\_LIMIT",

"selfTradePreventionMode": "NONE",

"updateTime": 1565769342148

},

{

"clientOrderId": "gXYtqhcEAs2Rn9SUD9nRKx",

"cummulativeQuoteQty": "0.00000000",

"executedQty": "0.00000000",

"icebergQty": "1.00000000",

"isWorking": true,

"orderId": 41296,

"origQty": "6.65000000",

"price": "0.18000000",

"side": "SELL",

"status": "CANCELED",

"stopPrice": "0.00000000",

"symbol": "BNBBTC",

"isIsolated": false,

"time": 1565769348687,

"timeInForce": "GTC",

"type": "LIMIT",

"selfTradePreventionMode": "NONE",

"updateTime": 1565769352226

}

]

GET /sapi/v1/margin/allOrders

**Weight(IP):** 200

**Request Limit**  
60times/min per IP

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES |  |
| isIsolated | STRING | NO | for isolated margin or not, "TRUE", "FALSE"，default "FALSE" |
| orderId | LONG | NO |  |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| limit | INT | NO | Default 500; max 500. |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

* If orderId is set, it will get orders >= that orderId. Otherwise most recent orders are returned.
* For some historical orders cummulativeQuoteQty will be < 0, meaning the data is not available at this time.

## Margin Account New OCO (TRADE)

**Response:**

{

"orderListId": 0,

"contingencyType": "OCO",

"listStatusType": "EXEC\_STARTED",

"listOrderStatus": "EXECUTING",

"listClientOrderId": "JYVpp3F0f5CAG15DhtrqLp",

"transactionTime": 1563417480525,

"symbol": "LTCBTC",

"marginBuyBorrowAmount": "5", // will not return if no margin trade happens

"marginBuyBorrowAsset": "BTC", // will not return if no margin trade happens

"isIsolated": false, // if isolated margin

"orders": [

{

"symbol": "LTCBTC",

"orderId": 2,

"clientOrderId": "Kk7sqHb9J6mJWTMDVW7Vos"

},

{

"symbol": "LTCBTC",

"orderId": 3,

"clientOrderId": "xTXKaGYd4bluPVp78IVRvl"

}

],

"orderReports": [

{

"symbol": "LTCBTC",

"orderId": 2,

"orderListId": 0,

"clientOrderId": "Kk7sqHb9J6mJWTMDVW7Vos",

"transactTime": 1563417480525,

"price": "0.000000",

"origQty": "0.624363",

"executedQty": "0.000000",

"cummulativeQuoteQty": "0.000000",

"status": "NEW",

"timeInForce": "GTC",

"type": "STOP\_LOSS",

"side": "BUY",

"stopPrice": "0.960664",

"selfTradePreventionMode": "NONE"

},

{

"symbol": "LTCBTC",

"orderId": 3,

"orderListId": 0,

"clientOrderId": "xTXKaGYd4bluPVp78IVRvl",

"transactTime": 1563417480525,

"price": "0.036435",

"origQty": "0.624363",

"executedQty": "0.000000",

"cummulativeQuoteQty": "0.000000",

"status": "NEW",

"timeInForce": "GTC",

"type": "LIMIT\_MAKER",

"side": "BUY",

"selfTradePreventionMode": "NONE"

}

]

}

POST /sapi/v1/margin/order/oco

Send in a new OCO for a margin account

**Weight(UID)**: 6

**Parameters**:

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES |  |
| isIsolated | STRING | NO | for isolated margin or not, "TRUE", "FALSE"，default "FALSE" |
| listClientOrderId | STRING | NO | A unique Id for the entire orderList |
| side | ENUM | YES |  |
| quantity | DECIMAL | YES |  |
| limitClientOrderId | STRING | NO | A unique Id for the limit order |
| price | DECIMAL | YES |  |
| limitIcebergQty | DECIMAL | NO |  |
| stopClientOrderId | STRING | NO | A unique Id for the stop loss/stop loss limit leg |
| stopPrice | DECIMAL | YES |  |
| stopLimitPrice | DECIMAL | NO | If provided, stopLimitTimeInForce is required. |
| stopIcebergQty | DECIMAL | NO |  |
| stopLimitTimeInForce | ENUM | NO | Valid values are GTC/FOK/IOC |
| newOrderRespType | ENUM | NO | Set the response JSON. |
| sideEffectType | ENUM | NO | NO\_SIDE\_EFFECT, MARGIN\_BUY, AUTO\_REPAY,AUTO\_BORROW\_REPAY; default NO\_SIDE\_EFFECT. More info in [FAQ](https://www.binance.com/en/support/faq/how-to-use-the-sideeffecttype-parameter-with-the-margin-order-endpoints-f9fc51cda1984bf08b95e0d96c4570bc) |
| selfTradePreventionMode | ENUM | NO | The allowed enums is dependent on what is configured on the symbol. The possible supported values are EXPIRE\_TAKER, EXPIRE\_MAKER, EXPIRE\_BOTH, NONE |
| autoRepayAtCancel | BOOLEAN | NO | Only when MARGIN\_BUY or AUTO\_BORROW\_REPAY order takes effect, true means that the debt generated by the order needs to be repay after the order is cancelled. The default is true |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

Other Info:

* Price Restrictions:
  + SELL: Limit Price > Last Price > Stop Price
  + BUY: Limit Price < Last Price < Stop Price
* Quantity Restrictions:
  + Both legs must have the same quantity
  + ICEBERG quantities however do not have to be the same.
* Order Rate Limit
  + OCO counts as 2 orders against the order rate limit.
* autoRepayAtCancel is suggested to set as “FALSE” to keep liability unrepaid under high frequent new order/cancel order execution

## Margin Account Cancel OCO (TRADE)

**Response:**

{

"orderListId": 0,

"contingencyType": "OCO",

"listStatusType": "ALL\_DONE",

"listOrderStatus": "ALL\_DONE",

"listClientOrderId": "C3wyj4WVEktd7u9aVBRXcN",

"transactionTime": 1574040868128,

"symbol": "LTCBTC",

"isIsolated": false, // if isolated margin

"orders": [

{

"symbol": "LTCBTC",

"orderId": 2,

"clientOrderId": "pO9ufTiFGg3nw2fOdgeOXa"

},

{

"symbol": "LTCBTC",

"orderId": 3,

"clientOrderId": "TXOvglzXuaubXAaENpaRCB"

}

],

"orderReports": [

{

"symbol": "LTCBTC",

"origClientOrderId": "pO9ufTiFGg3nw2fOdgeOXa",

"orderId": 2,

"orderListId": 0,

"clientOrderId": "unfWT8ig8i0uj6lPuYLez6",

"price": "1.00000000",

"origQty": "10.00000000",

"executedQty": "0.00000000",

"cummulativeQuoteQty": "0.00000000",

"status": "CANCELED",

"timeInForce": "GTC",

"type": "STOP\_LOSS\_LIMIT",

"side": "SELL",

"stopPrice": "1.00000000",

"selfTradePreventionMode": "NONE"

},

{

"symbol": "LTCBTC",

"origClientOrderId": "TXOvglzXuaubXAaENpaRCB",

"orderId": 3,

"orderListId": 0,

"clientOrderId": "unfWT8ig8i0uj6lPuYLez6",

"price": "3.00000000",

"origQty": "10.00000000",

"executedQty": "0.00000000",

"cummulativeQuoteQty": "0.00000000",

"status": "CANCELED",

"timeInForce": "GTC",

"type": "LIMIT\_MAKER",

"side": "SELL",

"selfTradePreventionMode": "NONE"

}

]

}

DELETE /sapi/v1/margin/orderList

Cancel an entire Order List for a margin account.

**Weight(UID)**: 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES |  |
| isIsolated | STRING | NO | for isolated margin or not, "TRUE", "FALSE"，default "FALSE" |
| orderListId | LONG | NO | Either orderListId or listClientOrderId must be provided |
| listClientOrderId | STRING | NO | Either orderListId or listClientOrderId must be provided |
| newClientOrderId | STRING | NO | Used to uniquely identify this cancel. Automatically generated by default |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

Additional notes:

* Canceling an individual leg will cancel the entire OCO

## Query Margin Account's OCO (USER\_DATA)

**Response:**

{

"orderListId": 27,

"contingencyType": "OCO",

"listStatusType": "EXEC\_STARTED",

"listOrderStatus": "EXECUTING",

"listClientOrderId": "h2USkA5YQpaXHPIrkd96xE",

"transactionTime": 1565245656253,

"symbol": "LTCBTC",

"isIsolated": false, // if isolated margin

"orders": [

{

"symbol": "LTCBTC",

"orderId": 4,

"clientOrderId": "qD1gy3kc3Gx0rihm9Y3xwS"

},

{

"symbol": "LTCBTC",

"orderId": 5,

"clientOrderId": "ARzZ9I00CPM8i3NhmU9Ega"

}

]

}

GET /sapi/v1/margin/orderList

Retrieves a specific OCO based on provided optional parameters

**Weight(IP)**: 10

**Parameters**:

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| isIsolated | STRING | NO | for isolated margin or not, "TRUE", "FALSE"，default "FALSE" |
| symbol | STRING | NO | mandatory for isolated margin, not supported for cross margin |
| orderListId | LONG | NO | Either orderListId or origClientOrderId must be provided |
| origClientOrderId | STRING | NO | Either orderListId or origClientOrderId must be provided |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

## Query Margin Account's all OCO (USER\_DATA)

**Response:**

[

{

"orderListId": 29,

"contingencyType": "OCO",

"listStatusType": "EXEC\_STARTED",

"listOrderStatus": "EXECUTING",

"listClientOrderId": "amEEAXryFzFwYF1FeRpUoZ",

"transactionTime": 1565245913483,

"symbol": "LTCBTC",

"isIsolated": true, // if isolated margin

"orders": [

{

"symbol": "LTCBTC",

"orderId": 4,

"clientOrderId": "oD7aesZqjEGlZrbtRpy5zB"

},

{

"symbol": "LTCBTC",

"orderId": 5,

"clientOrderId": "Jr1h6xirOxgeJOUuYQS7V3"

}

]

},

{

"orderListId": 28,

"contingencyType": "OCO",

"listStatusType": "EXEC\_STARTED",

"listOrderStatus": "EXECUTING",

"listClientOrderId": "hG7hFNxJV6cZy3Ze4AUT4d",

"transactionTime": 1565245913407,

"symbol": "LTCBTC",

"orders": [

{

"symbol": "LTCBTC",

"orderId": 2,

"clientOrderId": "j6lFOfbmFMRjTYA7rRJ0LP"

},

{

"symbol": "LTCBTC",

"orderId": 3,

"clientOrderId": "z0KCjOdditiLS5ekAFtK81"

}

]

}

]

GET /sapi/v1/margin/allOrderList

Retrieves all OCO for a specific margin account based on provided optional parameters

**Weight(IP)**: 200

**Parameters**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| isIsolated | STRING | NO | for isolated margin or not, "TRUE", "FALSE"，default "FALSE" |
| symbol | STRING | NO | mandatory for isolated margin, not supported for cross margin |
| fromId | LONG | NO | If supplied, neither startTime or endTime can be provided |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| limit | INT | NO | Default Value: 500; Max Value: 1000 |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

## Query Margin Account's Open OCO (USER\_DATA)

**Response:**

[

{

"orderListId": 31,

"contingencyType": "OCO",

"listStatusType": "EXEC\_STARTED",

"listOrderStatus": "EXECUTING",

"listClientOrderId": "wuB13fmulKj3YjdqWEcsnp",

"transactionTime": 1565246080644,

"symbol": "LTCBTC",

"isIsolated": false, // if isolated margin

"orders": [

{

"symbol": "LTCBTC",

"orderId": 4,

"clientOrderId": "r3EH2N76dHfLoSZWIUw1bT"

},

{

"symbol": "LTCBTC",

"orderId": 5,

"clientOrderId": "Cv1SnyPD3qhqpbjpYEHbd2"

}

]

}

]

GET /sapi/v1/margin/openOrderList

**Weight(IP)**: 10

**Parameters**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| isIsolated | STRING | NO | for isolated margin or not, "TRUE", "FALSE"，default "FALSE" |
| symbol | STRING | NO | mandatory for isolated margin, not supported for cross margin |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

## Query Margin Account's Trade List (USER\_DATA)

**Response:**

[

{

"commission": "0.00006000",

"commissionAsset": "BTC",

"id": 34,

"isBestMatch": true,

"isBuyer": false,

"isMaker": false,

"orderId": 39324,

"price": "0.02000000",

"qty": "3.00000000",

"symbol": "BNBBTC",

"isIsolated": false,

"time": 1561973357171

}

]

GET /sapi/v1/margin/myTrades

**Weight(IP):** 10

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES |  |
| isIsolated | STRING | NO | for isolated margin or not, "TRUE", "FALSE"，default "FALSE" |
| orderId | LONG | NO |  |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| fromId | LONG | NO | TradeId to fetch from. Default gets most recent trades. |
| limit | INT | NO | Default 500; max 1000. |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

* If fromId is set, it will get trades >= that fromId. Otherwise most recent trades are returned.

## Query Max Borrow (USER\_DATA)

**Response:**

{

"amount": "1.69248805", // account's currently max borrowable amount with sufficient system availability

"borrowLimit": "60" // max borrowable amount limited by the account level

}

GET /sapi/v1/margin/maxBorrowable

**Weight(IP):** 50

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| asset | STRING | YES |  |
| isolatedSymbol | STRING | NO | isolated symbol |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

* If isolatedSymbol is not sent, crossed margin data will be sent.
* borrowLimit is also available from <https://www.binance.com/en/margin-fee>

## Query Max Transfer-Out Amount (USER\_DATA)

**Response:**

{

"amount": "3.59498107"

}

GET /sapi/v1/margin/maxTransferable

**Weight(IP):** 50

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| asset | STRING | YES |  |
| isolatedSymbol | STRING | NO | isolated symbol |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

* If isolatedSymbol is not sent, crossed margin data will be sent.

## Get Summary of Margin account (USER\_DATA)

**Response:**

{

"normalBar": "1.5",

"marginCallBar": "1.3",

"forceLiquidationBar": "1.1"

}

GET /sapi/v1/margin/tradeCoeff

Get personal margin level information

**Weight(IP):** 10

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Query Isolated Margin Account Info (USER\_DATA)

**Response:**

If "symbols" is not sent

{

"assets":[

{

"baseAsset":

{

"asset": "BTC",

"borrowEnabled": true,

"borrowed": "0.00000000",

"free": "0.00000000",

"interest": "0.00000000",

"locked": "0.00000000",

"netAsset": "0.00000000",

"netAssetOfBtc": "0.00000000",

"repayEnabled": true,

"totalAsset": "0.00000000"

},

"quoteAsset":

{

"asset": "USDT",

"borrowEnabled": true,

"borrowed": "0.00000000",

"free": "0.00000000",

"interest": "0.00000000",

"locked": "0.00000000",

"netAsset": "0.00000000",

"netAssetOfBtc": "0.00000000",

"repayEnabled": true,

"totalAsset": "0.00000000"

},

"symbol": "BTCUSDT",

"isolatedCreated": true,

"enabled": true, // true-enabled, false-disabled

"marginLevel": "0.00000000",

"marginLevelStatus": "EXCESSIVE", // "EXCESSIVE", "NORMAL", "MARGIN\_CALL", "PRE\_LIQUIDATION", "FORCE\_LIQUIDATION"

"marginRatio": "0.00000000",

"indexPrice": "10000.00000000",

"liquidatePrice": "1000.00000000",

"liquidateRate": "1.00000000",

"tradeEnabled": true

}

],

"totalAssetOfBtc": "0.00000000",

"totalLiabilityOfBtc": "0.00000000",

"totalNetAssetOfBtc": "0.00000000"

}

If "symbols" is sent

{

"assets":[

{

"baseAsset":

{

"asset": "BTC",

"borrowEnabled": true,

"borrowed": "0.00000000",

"free": "0.00000000",

"interest": "0.00000000",

"locked": "0.00000000",

"netAsset": "0.00000000",

"netAssetOfBtc": "0.00000000",

"repayEnabled": true,

"totalAsset": "0.00000000"

},

"quoteAsset":

{

"asset": "USDT",

"borrowEnabled": true,

"borrowed": "0.00000000",

"free": "0.00000000",

"interest": "0.00000000",

"locked": "0.00000000",

"netAsset": "0.00000000",

"netAssetOfBtc": "0.00000000",

"repayEnabled": true,

"totalAsset": "0.00000000"

},

"symbol": "BTCUSDT",

"isolatedCreated": true,

"enabled": true, // true-enabled, false-disabled

"marginLevel": "0.00000000",

"marginLevelStatus": "EXCESSIVE", // "EXCESSIVE", "NORMAL", "MARGIN\_CALL", "PRE\_LIQUIDATION", "FORCE\_LIQUIDATION"

"marginRatio": "0.00000000",

"indexPrice": "10000.00000000",

"liquidatePrice": "1000.00000000",

"liquidateRate": "1.00000000",

"tradeEnabled": true

}

]

}

GET /sapi/v1/margin/isolated/account

**Weight(IP):** 10

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbols | STRING | NO | Max 5 symbols can be sent; separated by ",". e.g. "BTCUSDT,BNBUSDT,ADAUSDT" |
| recvWindow | LONG | NO | No more than 60000 |
| timestamp | LONG | YES |  |

* If "symbols" is not sent, all isolated assets will be returned.
* If "symbols" is sent, only the isolated assets of the sent symbols will be returned.

## Disable Isolated Margin Account (TRADE)

**Response:**

{

"success": true,

"symbol": "BTCUSDT"

}

DELETE /sapi/v1/margin/isolated/account (HMAC SHA256)

Disable isolated margin account for a specific symbol. Each trading pair can only be deactivated once every 24 hours.

**Weight(UID):** 300

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES |  |
| recvWindow | LONG | NO | No more than 60000 |
| timestamp | LONG | YES |  |

## Enable Isolated Margin Account (TRADE)

**Response:**

{

"success": true,

"symbol": "BTCUSDT"

}

POST /sapi/v1/margin/isolated/account

Enable isolated margin account for a specific symbol(Only supports activation of previously disabled accounts).

**Weight(UID):** 300

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES |  |
| recvWindow | LONG | NO | No more than 60000 |
| timestamp | LONG | YES |  |

## Query Enabled Isolated Margin Account Limit (USER\_DATA)

**Response:**

{

"enabledAccount": 5,

"maxAccount": 20

}

GET /sapi/v1/margin/isolated/accountLimit

Query enabled isolated margin account limit.

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| recvWindow | LONG | NO | No more than 60000 |
| timestamp | LONG | YES |  |

## Get All Isolated Margin Symbol(MARKET\_DATA)

**Response:**

[

{

"base": "BNB",

"isBuyAllowed": true,

"isMarginTrade": true,

"isSellAllowed": true,

"quote": "BTC",

"symbol": "BNBBTC"

},

{

"base": "TRX",

"isBuyAllowed": true,

"isMarginTrade": true,

"isSellAllowed": true,

"quote": "BTC",

"symbol": "TRXBTC",

"delistTime": 1704973040

},

{

"base": "XRP",

"isBuyAllowed": true,

"isMarginTrade": true,

"isSellAllowed": true,

"quote": "BTC",

"symbol": "XRPBTC"

},

{

"base": "ETH",

"isBuyAllowed": true,

"isMarginTrade": true,

"isSellAllowed": true,

"quote": "BTC",

"symbol": "ETHBTC"

}

]

GET /sapi/v1/margin/isolated/allPairs

**Weight(IP):** 10

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | NO |  |

## Toggle BNB Burn On Spot Trade And Margin Interest (USER\_DATA)

**Response:**

{

"spotBNBBurn":true,

"interestBNBBurn": false

}

POST /sapi/v1/bnbBurn

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| spotBNBBurn | STRING | NO | "true" or "false"; Determines whether to use BNB to pay for trading fees on SPOT |
| interestBNBBurn | STRING | NO | "true" or "false"; Determines whether to use BNB to pay for margin loan's interest |
| recvWindow | LONG | NO | No more than 60000 |
| timestamp | LONG | YES |  |

* "spotBNBBurn" and "interestBNBBurn" should be sent at least one.

## Get BNB Burn Status (USER\_DATA)

**Response:**

{

"spotBNBBurn":true,

"interestBNBBurn": false

}

GET /sapi/v1/bnbBurn

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| recvWindow | LONG | NO | No more than 60000 |
| timestamp | LONG | YES |  |

## Query Margin Interest Rate History (USER\_DATA)

**Response:**

[

{

"asset": "BTC",

"dailyInterestRate": "0.00025000",

"timestamp": 1611544731000,

"vipLevel": 1

},

{

"asset": "BTC",

"dailyInterestRate": "0.00035000",

"timestamp": 1610248118000,

"vipLevel": 1

}

]

GET /sapi/v1/margin/interestRateHistory

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| asset | STRING | YES |  |
| vipLevel | INT | NO | Default: user's vip level |
| startTime | LONG | NO | Default: 7 days ago |
| endTime | LONG | NO | Default: present. Maximum range: 1 months. |
| recvWindow | LONG | NO | No more than 60000 |
| timestamp | LONG | YES |  |

## Query Cross Margin Fee Data (USER\_DATA)

**Response:**

[

{

"vipLevel": 0,

"coin": "BTC",

"transferIn": true,

"borrowable": true,

"dailyInterest": "0.00026125",

"yearlyInterest": "0.0953",

"borrowLimit": "180",

"marginablePairs": [

"BNBBTC",

"TRXBTC",

"ETHBTC",

"BTCUSDT"

]

}

]

GET /sapi/v1/margin/crossMarginData

Get cross margin fee data collection with any vip level or user's current specific data as https://www.binance.com/en/margin-fee

**Weight(IP):** 1 when coin is specified; 5 when the coin parameter is omitted

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| vipLevel | INT | NO | when parameter vipLevel is not sent, it returns data associated with the user's specific config; when parameter vipLevel is sent, it returns the default tier data (assuming user is not logged in) |
| coin | STRING | NO |  |
| recvWindow | LONG | NO | No more than 60000 |
| timestamp | LONG | YES |  |

## Query Isolated Margin Fee Data (USER\_DATA)

**Response:**

[

{

"vipLevel": 0,

"symbol": "BTCUSDT",

"leverage": "10",

"data": [

{

"coin": "BTC",

"dailyInterest": "0.00026125",

"borrowLimit": "270"

},

{

"coin": "USDT",

"dailyInterest": "0.000475",

"borrowLimit": "2100000"

}

]

}

]

GET /sapi/v1/margin/isolatedMarginData

Get isolated margin fee data collection with any vip level or user's current specific data as https://www.binance.com/en/margin-fee

**Weight(IP):** 1 when a single is specified; 10 when the symbol parameter is omitted

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| vipLevel | INT | NO | User's current specific margin data will be returned if vipLevel is omitted |
| symbol | STRING | NO |  |
| recvWindow | LONG | NO | No more than 60000 |
| timestamp | LONG | YES |  |

## Query Isolated Margin Tier Data (USER\_DATA)

**Response:**

[

{

"symbol": "BTCUSDT",

"tier": 1,

"effectiveMultiple": "10",

"initialRiskRatio": "1.111",

"liquidationRiskRatio": "1.05",

"baseAssetMaxBorrowable": "9",

"quoteAssetMaxBorrowable": "70000"

}

]

GET /sapi/v1/margin/isolatedMarginTier

Get isolated margin tier data collection with any tier as https://www.binance.com/en/margin-data

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES |  |
| tier | INTEGER | NO | All margin tier data will be returned if tier is omitted |
| recvWindow | LONG | NO | No more than 60000 |
| timestamp | LONG | YES |  |

## Query Current Margin Order Count Usage (TRADE)

**Response:**

[

{

"rateLimitType": "ORDERS",

"interval": "SECOND",

"intervalNum": 10,

"limit": 10000,

"count": 0

},

{

"rateLimitType": "ORDERS",

"interval": "DAY",

"intervalNum": 1,

"limit": 20000,

"count": 0

}

]

GET /sapi/v1/margin/rateLimit/order

Displays the user's current margin order count usage for all intervals.

**Weight(IP):** 20

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| isIsolated | STRING | NO | for isolated margin or not, "TRUE", "FALSE"，default "FALSE" |
| symbol | STRING | NO | isolated symbol, mandatory for isolated margin |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

## Cross margin collateral ratio (MARKET\_DATA)

**Response:**

[

{

"collaterals": [

{

"minUsdValue": "0",

"maxUsdValue": "13000000",

"discountRate": "1"

},

{

"minUsdValue": "13000000",

"maxUsdValue": "20000000",

"discountRate": "0.975"

},

{

"minUsdValue": "20000000",

"discountRate": "0"

}

],

"assetNames": [

"BNX"

]

},

{

"collaterals": [

{

"minUsdValue": "0",

"discountRate": "1"

}

],

"assetNames": [

"BTC",

"BUSD",

"ETH",

"USDT"

]

}

]

GET /sapi/v1/margin/crossMarginCollateralRatio

**Weight(IP):** 100

**Parameters:** None

## Get Small Liability Exchange Coin List (USER\_DATA)

Query the coins which can be small liability exchange

**Response:**

[

{

"asset": "ETH",

"interest": "0.00083334",

"principal": "0.001",

"liabilityAsset": "USDT",

"liabilityQty": 0.3552

}

]

GET /sapi/v1/margin/exchange-small-liability

**Weight(IP):** 100

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Small Liability Exchange (MARGIN)

Cross Margin Small Liability Exchange

POST /sapi/v1/margin/exchange-small-liability

**Weight(UID):** 3000

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| assetNames | ARRAY | YES | The assets list of small liability exchange， Example: assetNames = BTC,ETH |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* Only convert once within 6 hours
* Only liability valuation less than 10 USDT are supported
* The maximum number of coin is 10

## Get Small Liability Exchange History (USER\_DATA)

Get Small liability Exchange History

**Response:**

{

"total": 1,

"rows": [

{

"asset": "ETH",

"amount": "0.00083434",

"targetAsset": "BUSD",

"targetAmount": "1.37576819",

"bizType": "EXCHANGE\_SMALL\_LIABILITY",

"timestamp": 1672801339253

}

]

}

GET /sapi/v1/margin/exchange-small-liability-history

**Weight(UID):** 100

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| current | INT | YES | Currently querying page. Start from 1. Default:1 |
| size | INT | YES | Default:10, Max:100 |
| startTime | LONG | NO | Default: 30 days from current timestamp |
| endTime | LONG | NO | Default: present timestamp |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Get a future hourly interest rate (USER\_DATA)

GET /sapi/v1/margin/next-hourly-interest-rate

Get user the next hourly estimate interest

**Response:**

[

{

"asset": "BTC",

"nextHourlyInterestRate": "0.00000571"

},

{

"asset": "ETH",

"nextHourlyInterestRate": "0.00000578"

}

]

**Weight(IP):** 100

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| assets | String | YES | List of assets, separated by commas, up to 20 |
| isIsolated | Boolean | YES | for isolated margin or not, "TRUE", "FALSE" |

## Get cross or isolated margin capital flow(USER\_DATA)

GET /sapi/v1/margin/capital-flow

Get cross or isolated margin capital flow

**Response:**

[

{

"id": 123456,

"tranId": 123123,

"timestamp": 1691116657000,

"asset": "USDT",

"symbol": "BTCUSDT",

"type": "BORROW",

"amount": "101"

},

{

"id": 123457,

"tranId": 123124,

"timestamp": 1691116658000,

"asset": "BTC",

"symbol": "BTCUSDT",

"type": "REPAY",

"amount": "10"

}

]

**Weight(IP):** 100

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| asset | STRING | NO |  |
| symbol | STRING | NO | Required when querying isolated data |
| type | STRING | NO |  |
| startTime | LONG | NO | Only supports querying the data of the last 90 days |
| endTime | LONG | NO |  |
| fromId | LONG | NO |  |
| If fromId is set, the data with id > fromId will be returned. Otherwise the latest data will be returned |  |  |  |
| limit | LONG | NO | The number of data items returned each time is limited. Default 500; Max 1000. |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* Only supports querying the data of the last 90 days
* If fromId is set, the data with id > fromId will be returned. Otherwise the latest data will be returned
* To query isolated data, Symbol needs to be entered.
* Supported types:
  + TRANSFER("Transfer")
  + BORROW("Borrow")
  + REPAY("Repay")
  + BUY\_INCOME("Buy-Trading Income")
  + BUY\_EXPENSE("Buy-Trading Expense")
  + SELL\_INCOME("Sell-Trading Income")
  + SELL\_EXPENSE("Sell-Trading Expense")
  + TRADING\_COMMISSION("Trading Commission")
  + BUY\_LIQUIDATION("Buy by Liquidation")
  + SELL\_LIQUIDATION("Sell by Liquidation")
  + REPAY\_LIQUIDATION("Repay by Liquidation")
  + OTHER\_LIQUIDATION("Other Liquidation")
  + LIQUIDATION\_FEE("Liquidation Fee")
  + SMALL\_BALANCE\_CONVERT("Small Balance Convert")
  + COMMISSION\_RETURN("Commission Return")
  + SMALL\_CONVERT("Small Convert")

## Get tokens or symbols delist schedule for cross margin and isolated margin (MARKET\_DATA)

GET /sapi/v1/margin/delist-schedule

Get tokens or symbols delist schedule for cross margin and isolated margin

**Response:**

[

{

"delistTime": 1686161202000,

"crossMarginAssets": [

"BTC",

"USDT"

],

"isolatedMarginSymbols": [

"ADAUSDT",

"BNBUSDT"

]

},

{

"delistTime": 1686222232000,

"crossMarginAssets": [

"ADA"

],

"isolatedMarginSymbols": []

},

"updateTime": 1699272487

]

**Weight(IP):** 100

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Query Margin Available Inventory (USER\_DATA)

GET /sapi/v1/margin/available-inventory

Margin available Inventory query

**Response:**

{

"assets": {

"MATIC": "100000000",

"STPT": "100000000",

"TVK": "100000000",

"SHIB": "97409653"

},

"updateTime": 1699272487

}

**Weight(UID):** 50

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| type | STRING | YES | MARGIN,ISOLATED |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Margin manual liquidation(MARGIN)

POST /sapi/v1/margin/manual-liquidation

Margin manual liquidation

**Response:**

[

{

"asset": "ETH",

"interest": "0.00083334",

"principal": "0.001",

"liabilityAsset": "USDT",

"liabilityQty": 0.3552

}

]

**Weight(UID):** 3000

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| type | STRING | YES | MARGIN,ISOLATED |
| symbol | STRING | NO | When type selects ISOLATED, symbol must be filled in |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* This SAPI can support Cross Margin and Margin Pro , cannot support Isolated Margin.

## Query Liability Coin Leverage Bracket in Cross Margin Pro Mode(MARKET\_DATA)

GET /sapi/v1/margin/leverageBracket

Liability Coin Leverage Bracket in Cross Margin Pro Mode

**Response:**

[

{

"assetNames":[

"SHIB",

"FDUSD",

"BTC",

"ETH",

"USDC"

],

"rank":1,

"brackets":[

{

"leverage":10,

"maxDebt":1000000.00000000,

"maintenanceMarginRate":0.02000000,

"initialMarginRate":0.1112,

"fastNum":0

},

{

"leverage":3,

"maxDebt":4000000.00000000,

"maintenanceMarginRate":0.07000000,

"initialMarginRate":0.5000,

"fastNum":60000.0000000000000000

}

]

}

]

**Weight(IP):** 1

# User Data Streams

* The base API endpoint is: **https://api.binance.com**
* A User Data Stream listenKey is valid for 60 minutes after creation.
* Doing a PUT on a listenKey will extend its validity for 60 minutes.
* Doing a DELETE on a listenKey will close the stream and invalidate the listenKey.
* Doing a POST on an account with an active listenKey will return the currently active listenKey and extend its validity for 60 minutes.
* A listenKey is a stream.
* Users can listen to multiple streams.
* The base websocket endpoint is: **wss://stream.binance.com:9443**
* User Data Streams are accessed at **/ws/<listenKey>** or **/stream?streams=<listenKey>**
* A single connection to **stream.binance.com** is only valid for 24 hours; expect to be disconnected at the 24 hour mark

## LISTEN KEY (SPOT)

### Create a ListenKey (USER\_STREAM)

**Response:**

{

"listenKey": "pqia91ma19a5s61cv6a81va65sdf19v8a65a1a5s61cv6a81va65sdf19v8a65a1"

}

POST /api/v3/userDataStream

Start a new user data stream. The stream will close after 60 minutes unless a keepalive is sent. If the account has an active listenKey, that listenKey will be returned and its validity will be extended for 60 minutes.

**Weight:** 2

**Parameters:**

NONE

**Data Source:** Memory

### Ping/Keep-alive a ListenKey (USER\_STREAM)

**Response:**

{}

PUT /api/v3/userDataStream

Keepalive a user data stream to prevent a time out. User data streams will close after 60 minutes. It's recommended to send a ping about every 30 minutes.

**Weight:** 2

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| listenKey | STRING | YES |  |

**Data Source:** Memory

### Close a ListenKey (USER\_STREAM)

**Response:**

{}

DELETE /api/v3/userDataStream

Close out a user data stream.

**Weight:** 2

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| listenKey | STRING | YES |  |

**Data Source:** Memory

## LISTEN KEY (MARGIN)

### Create a ListenKey (USER\_STREAM)

**Response:**

{"listenKey": "T3ee22BIYuWqmvne0HNq2A2WsFlEtLhvWCtItw6ffhhdmjifQ2tRbuKkTHhr"}

POST /sapi/v1/userDataStream

**Weight:** 1

**Parameters:**

NONE

### Ping/Keep-alive a ListenKey (USER\_STREAM)

**Response:**

{}

PUT /sapi/v1/userDataStream

**Weight:** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| listenKey | STRING | YES |  |

### Close a ListenKey (USER\_STREAM)

**Response:**

{}

DELETE /sapi/v1/userDataStream

**Weight:** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| listenKey | STRING | YES |  |

## LISTEN KEY (ISOLATED MARGIN)

### Generate a Listen Key (USER\_STREAM)

**Response:**

{

"listenKey": "T3ee22BIYuWqmvne0HNq2A2WsFlEtLhvWCtItw6ffhhdmjifQ2tRbuKkTHhr"

}

POST /sapi/v1/userDataStream/isolated

**Weight:** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES |  |

### Ping/Keep-alive a Listen Key (USER\_STREAM)

**Response:**

{}

PUT /sapi/v1/userDataStream/isolated

**Weight:** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES |  |
| listenKey | STRING | YES |  |

### Close a ListenKey (USER\_STREAM)

**Response:**

{}

DELETE /sapi/v1/userDataStream/isolated

**Weight:** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES |  |
| listenKey | STRING | YES |  |

## Payload: Account Update

outboundAccountPosition is sent any time an account balance has changed and contains the assets that were possibly changed by the event that generated the balance change.

**Payload:**

{

"e": "outboundAccountPosition", //Event type

"E": 1564034571105, //Event Time

"u": 1564034571073, //Time of last account update

"B": [ //Balances Array

{

"a": "ETH", //Asset

"f": "10000.000000", //Free

"l": "0.000000" //Locked

}

]

}

## Payload: Balance Update

Balance Update occurs during the following:

* Deposits or withdrawals from the account
* Transfer of funds between accounts (e.g. Spot to Margin)

**Payload**

{

"e": "balanceUpdate", //Event Type

"E": 1573200697110, //Event Time

"a": "BTC", //Asset

"d": "100.00000000", //Balance Delta

"T": 1573200697068 //Clear Time

}

## Payload: Order Update

Orders are updated with the executionReport event.

**Execution types:**

* NEW - The order has been accepted into the engine.
* CANCELED - The order has been canceled by the user.
* REPLACED (currently unused)
* REJECTED - The order has been rejected and was not processed (This message appears only with Cancel Replace Orders wherein the new order placement is rejected but the request to cancel request succeeds.)
* TRADE - Part of the order or all of the order's quantity has filled.
* EXPIRED - The order was canceled according to the order type's rules (e.g. LIMIT FOK orders with no fill, LIMIT IOC or MARKET orders that partially fill) or by the exchange, (e.g. orders canceled during liquidation, orders canceled during maintenance).
* TRADE\_PREVENTION - The order has expired due to STP trigger.

Check the [Public API Definitions](https://binance-docs.github.io/apidocs/spot/en/#public-api-definitions) for more relevant enum definitions.

**Payload:**

{

"e": "executionReport", // Event type

"E": 1499405658658, // Event time

"s": "ETHBTC", // Symbol

"c": "mUvoqJxFIILMdfAW5iGSOW", // Client order ID

"S": "BUY", // Side

"o": "LIMIT", // Order type

"f": "GTC", // Time in force

"q": "1.00000000", // Order quantity

"p": "0.10264410", // Order price

"P": "0.00000000", // Stop price

"F": "0.00000000", // Iceberg quantity

"g": -1, // OrderListId

"C": "", // Original client order ID; This is the ID of the order being canceled

"x": "NEW", // Current execution type

"X": "NEW", // Current order status

"r": "NONE", // Order reject reason; will be an error code.

"i": 4293153, // Order ID

"l": "0.00000000", // Last executed quantity

"z": "0.00000000", // Cumulative filled quantity

"L": "0.00000000", // Last executed price

"n": "0", // Commission amount

"N": null, // Commission asset

"T": 1499405658657, // Transaction time

"t": -1, // Trade ID

"I": 8641984, // Ignore

"w": true, // Is the order on the book?

"m": false, // Is this trade the maker side?

"M": false, // Ignore

"O": 1499405658657, // Order creation time

"Z": "0.00000000", // Cumulative quote asset transacted quantity

"Y": "0.00000000", // Last quote asset transacted quantity (i.e. lastPrice \* lastQty)

"Q": "0.00000000", // Quote Order Quantity

"W": 1499405658657, // Working Time; This is only visible if the order has been placed on the book.

"V": "NONE" // selfTradePreventionMode

}

**Note:** Average price can be found by doing Z divided by z.

### Conditional Fields in Execution Report

These are fields that appear in the payload only if certain conditions are met.

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Name** | **Description** | **Examples** |
| d | Trailing Delta | Appears only for trailing stop orders. | "d": 4 |
| D | Trailing Time | "D": 1668680518494 |
| j | Strategy Id | Appears only if the strategyId parameter was provided upon order placement. | "j": 1 |
| J | Strategy Type | Appears only if the strategyType parameter was provided upon order placement. | "J": 1000000 |
| v | Prevented Match Id | Appears only for orders that expired due to STP. | "v": 3 |
| A | Prevented Quantity | "A":"3.000000" |
| B | Last Prevented Quantity | "B":"3.000000" |
| u | Trade Group Id | "u":1 |
| U | Counter Order Id | "U":37 |
| Cs | Counter Symbol | "Cs": "BTCUSDT" |
| pl | Prevented Execution Quantity | "pl":"2.123456" |
| pL | Prevented Execution Price | "pL":"0.10000001" |
| pY | Prevented Execution Quote Qty | "pY":"0.21234562" |
| W | Working Time | Appears when the order is working on the book | "W": 1668683798379 |
| b | Match Type | Appears for orders that have allocations | "b":"ONE\_PARTY\_TRADE\_REPORT" |
| a | Allocation ID | "a":1234 |
| k | Working Floor | Appears for orders that could potentially have allocations | "k":"SOR" |
| uS | UsedSor | Appears for orders that used SOR | "uS":true |

If the order is an order list, an event will be displayed named ListStatus in addition to the executionReport event.

**Payload**

{

"e": "listStatus", //Event Type

"E": 1564035303637, //Event Time

"s": "ETHBTC", //Symbol

"g": 2, //OrderListId

"c": "OCO", //Contingency Type

"l": "EXEC\_STARTED", //List Status Type

"L": "EXECUTING", //List Order Status

"r": "NONE", //List Reject Reason

"C": "F4QN4G8DlFATFlIUQ0cjdD", //List Client Order ID

"T": 1564035303625, //Transaction Time

"O": [ //An array of objects

{

"s": "ETHBTC", //Symbol

"i": 17, // orderId

"c": "AJYsMjErWJesZvqlJCTUgL" //ClientOrderId

},

{

"s": "ETHBTC",

"i": 18,

"c": "bfYPSQdLoqAJeNrOr9adzq"

}

]

}

## Payload: Listen Key Expired

This event is sent when the listen key expires.

No more events will be sent after this until a new listenKey is created.

This event will not be pushed when the stream is closed normally.

**Payload**

{

"e": "listenKeyExpired", // Event type

"E": 1699596037418, // Event time

"listenKey": "OfYGbUzi3PraNagEkdKuFwUHn48brFsItTdsuiIXrucEvD0rhRXZ7I6URWfE8YE8"

}

# Margin User Data Streams

* Margin websocket only support Cross Margin Accounts
* The base API endpoint is: **https://api.binance.com**
* A User Data Stream listenKey is valid for 24 hours after creation.
* Doing a PUT on a listenKey will extend its validity for 24 hours.
* Doing a DELETE on a listenKey will close the stream and invalidate the listenKey.
* Doing a POST on an account with an active listenKey will return the currently active listenKey and extend its validity for 24 hours.
* A listenKey is a stream.
* Users can listen to multiple streams.
* The base websocket endpoint is: **wss://margin-stream.binance.com**
* User Data Streams are accessed at **/ws/<listenKey>** or **/stream?streams=<listenKey>**
* A single connection to **stream.binance.com** is only valid for 24 hours; expect to be disconnected at the 24 hour mark

## LISTEN KEY

### Create a Margin ListenKey (USER\_STREAM)

**Response:**

{

"listenKey": "T3ee22BIYuWqmvne0HNq2A2WsFlEtLhvWCtItw6ffhhd"

}

POST /sapi/v1/margin/listen-key

Start a new margin user data stream.

**Weight(UID):** 1

**Parameters:**

NONE

### Keep-alive a Margin ListenKey (USER\_STREAM)

**Response:**

{}

PUT /sapi/v1/margin/listen-key

Keepalive a user data stream to prevent a time out.

**Weight(UID):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| listenKey | STRING | YES |  |

### Close a Margin ListenKey(USER\_STREAM)

**Response:**

{}

DELETE /sapi/v1/margin/listen-key

Close out a user data stream.

**Weight(UID): 3000** 3000

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| listenKey | STRING | YES |  |

## Payload: liability update

Liability update during the following :

* borrowing
* Repayment
* Interest Calculation

**Payload:**

{

"e": "USER\_LIABILITY\_CHANGE", // Event Type

"E": 1701949801133, // Event Time

"a": "BTC", // Asset

"t": "BORROW", // Liability Update Type

"p": "0.00000100", // Principle Quantity

"i": "0.00000000" // Interest Quantity

}

## Payload: Margin Call

Margin call trigger the event

**Payload**

{

"e": "MARGIN\_LEVEL\_STATUS\_CHANGE", // Event Type

"E": 1701949763462, // Event Time

"l": "1.1", // margin level

"s": "MARGIN\_CALL" // margin call status

}

# Simple Earn Endpoints

* The endpoints below allow you to interact with Binance Simple Earn.
* For more information on this, please refer to the [Binance Simple Earn page](https://www.binance.com/en/simple-earn)

## Get Simple Earn Flexible Product List (USER\_DATA)

**Response:**

{

"rows":[

{

"asset": "BTC",

"latestAnnualPercentageRate": "0.05000000",

"tierAnnualPercentageRate": {

"0-5BTC": 0.05,

"5-10BTC": 0.03

},

"airDropPercentageRate": "0.05000000",

"canPurchase": true,

"canRedeem": true,

"isSoldOut": true,

"hot": true,

"minPurchaseAmount": "0.01000000",

"productId": "BTC001",

"subscriptionStartTime": "1646182276000",

"status": "PURCHASING"

}

],

"total": 1

}

GET /sapi/v1/simple-earn/flexible/list

Get available Simple Earn flexible product list

**Weight(IP): 150**

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| asset | STRING | NO |  |
| current | LONG | NO | Currently querying page. Start from 1. Default:1 |
| size | LONG | NO | Default:10, Max:100 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Get Simple Earn Locked Product List (USER\_DATA)

**Response:**

{

"rows": [

{

"projectId": "Axs\*90",

"detail": {

"asset": "AXS",

"rewardAsset": "AXS",

"duration": 90,

"renewable": true,

"isSoldOut": true,

"apr": "1.2069",

"status": "CREATED",

"subscriptionStartTime": "1646182276000",

"extraRewardAsset": "BNB",

"extraRewardAPR": "0.23"

},

"quota": {

"totalPersonalQuota": "2",

"minimum": "0.001"

}

}

],

"total": 1

}

GET /sapi/v1/simple-earn/locked/list

**Weight(IP): 150**

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| asset | STRING | NO |  |
| current | LONG | NO | Currently querying page. Start from 1. Default:1 |
| size | LONG | NO | Default:10, Max:100 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

Get available Simple Earn locked product list

## Subscribe Flexible Product (TRADE)

**Response:**

{

"purchaseId": 40607,

"success": true

}

POST /sapi/v1/simple-earn/flexible/subscribe

**Weight(IP): 1**

**Rate Limit: 1/3s per account**

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| productId | STRING | YES |  |
| amount | DECIMAL | YES |  |
| autoSubscribe | BOOLEAN | NO | true or false, default true. |
| sourceAccount | ENUM | NO | SPOT,FUND,ALL, default SPOT |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* You need to open Enable Spot & Margin Trading permission for the API Key which requests this endpoint.

## Subscribe Locked Product (TRADE)

**Response:**

{

"purchaseId": 40607,

"positionId": "12345",

"success": true

}

POST /sapi/v1/simple-earn/locked/subscribe

**Weight(IP): 1**

**Rate Limit: 1/3s per account**

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| projectId | STRING | YES |  |
| amount | DECIMAL | YES |  |
| autoSubscribe | BOOLEAN | NO | true or false, default true. |
| sourceAccount | ENUM | NO | SPOT,FUND,ALL, default SPOT |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* You need to open Enable Spot & Margin Trading permission for the API Key which requests this endpoint.

## Redeem Flexible Product (TRADE)

**Response:**

{

"redeemId": 40607,

"success": true

}

POST /sapi/v1/simple-earn/flexible/redeem

**Weight(IP): 1**

**Rate Limit: 1/3s per account**

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| productId | STRING | YES |  |
| redeemAll | BOOLEAN | NO | true or false, default to false |
| amount | DECIMAL | NO | if redeemAll is false, amount is mandatory |
| destAccount | ENUM | NO | SPOT,FUND, default SPOT |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* You need to open Enable Spot & Margin Trading permission for the API Key which requests this endpoint.

## Redeem Locked Product (TRADE)

**Response:**

{

"redeemId": 40607,

"success": true

}

POST /sapi/v1/simple-earn/locked/redeem

**Weight(IP): 1**

**Rate Limit: 1/3s per account**

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| positionId | STRING | YES | "1234" |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* You need to open Enable Spot & Margin Trading permission for the API Key which requests this endpoint.

## Get Flexible Product Position (USER\_DATA)

**Response:**

{

"rows":[

{

"totalAmount": "75.46000000",

"tierAnnualPercentageRate": {

"0-5BTC": 0.05,

"5-10BTC": 0.03

},

"latestAnnualPercentageRate": "0.02599895",

"yesterdayAirdropPercentageRate": "0.02599895",

"asset": "USDT",

"airDropAsset": "BETH",

"canRedeem": true,

"collateralAmount": "232.23123213",

"productId": "USDT001",

"yesterdayRealTimeRewards": "0.10293829",

"cumulativeBonusRewards": "0.22759183",

"cumulativeRealTimeRewards": "0.22759183",

"cumulativeTotalRewards": "0.45459183",

"autoSubscribe": true

}

],

"total": 1

}

GET /sapi/v1/simple-earn/flexible/position

**Weight(IP): 150**

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| asset | STRING | NO |  |
| productId | STRING | NO |  |
| current | LONG | NO | Currently querying the page. Start from 1. Default:1 |
| size | LONG | NO | Default:10, Max:100 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Get Locked Product Position (USER\_DATA)

**Response:**

{

"rows":[

{

"positionId": "123123",

"projectId": "Axs\*90",

"asset": "AXS",

"amount": "122.09202928",

"purchaseTime": "1646182276000",

"duration": "60",

"accrualDays": "4",

"rewardAsset": "AXS",

"APY": "0.23",

"isRenewable": true,

"isAutoRenew": true,

"redeemDate": "1732182276000"

}

],

"total": 1

}

GET /sapi/v1/simple-earn/locked/position

**Weight(IP): 150**

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| asset | STRING | NO |  |
| positionId | STRING | NO |  |
| projectId | STRING | NO |  |
| current | LONG | NO | Currently querying the page. Start from 1. Default:1 |
| size | LONG | NO | Default:10, Max:100 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Simple Account (USER\_DATA)

**Response:**

{

"totalAmountInBTC": "0.01067982",

"totalAmountInUSDT": "77.13289230",

"totalFlexibleAmountInBTC": "0.00000000",

"totalFlexibleAmountInUSDT": "0.00000000",

"totalLockedInBTC": "0.01067982",

"totalLockedInUSDT": "77.13289230"

}

GET /sapi/v1/simple-earn/account

**Weight(IP): 150**

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

## Get Flexible Subscription Record (USER\_DATA)

**Response:**

{

"rows": [

{

"amount": "100.00000000",

"asset": "USDT",

"time": 1575018510000,

"purchaseId": 26055,

"type": "AUTO", // AUTO for auto subscribe, NORMAL for normal subscription, CONVERT for Locked to Flexible, LOAN for flexible loan collateral, AI for Auto Invest subscribe, TRANSFER for Locked Savings to Flexible

"sourceAccount": "SPOT", // SPOT, FUNDING, SPOTANDFUNDING

"amtFromSpot": "30", // Display if sourceAccount is SPOTANDFUNDING

"amtFromFunding": "70", // Display if sourceAccount is SPOTANDFUNDING

"status": "SUCCESS" // PURCHASING/SUCCESS/FAILED

}

],

"total": 1

}

GET /sapi/v1/simple-earn/flexible/history/subscriptionRecord

**Weight(IP): 150**

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| productId | STRING | NO |  |
| purchaseId | STRING | NO |  |
| asset | STRING | NO |  |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| current | LONG | NO | Currently querying the page. Start from 1. Default:1 |
| size | LONG | NO | Default:10, Max:100 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* The time between startTime and endTime cannot be longer than 3 months.
* If startTime and endTime are both not sent, then the last 30 days' data will be returned.
* If startTime is sent but endTime is not sent, the next 30 days' data beginning from startTime will be returned.
* If endTime is sent but startTime is not sent, the 30 days' data before endTime will be returned.

## Get Locked Subscription Record (USER\_DATA)

**Response:**

{

"rows":[

{

"positionId": "123123",

"purchaseId": 26055,

"time": 1575018510000,

"asset": "BNB",

"amount": "21312.23223",

"lockPeriod": "30",

"type": "AUTO", // NORMAL for normal subscription, AUTO for auto-subscription order, ACTIVITY for activity order, TRIAL for trial fund order, RESTAKE for restake order

"sourceAccount": "SPOT", // SPOT, FUNDING, SPOTANDFUNDING

"amtFromSpot": "30", // Display if sourceAccount is SPOTANDFUNDING

"amtFromFunding": "70", // Display if sourceAccount is SPOTANDFUNDING

"status": "SUCCESS" // PURCHASING/SUCCESS/FAILED

}

],

"total": 1

}

GET /sapi/v1/simple-earn/locked/history/subscriptionRecord

**Weight(IP): 150**

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| purchaseId | STRING | NO |  |
| asset | STRING | NO |  |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| current | LONG | NO | Currently querying the page. Start from 1. Default:1 |
| size | LONG | NO | Default:10, Max:100 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* The time between startTime and endTime cannot be longer than 3 months.
* If startTime and endTime are both not sent, then the last 30 days' data will be returned.
* If startTime is sent but endTime is not sent, the next 30 days' data beginning from startTime will be returned.
* If endTime is sent but startTime is not sent, the 30 days' data before endTime will be returned.

## Get Flexible Redemption Record (USER\_DATA)

**Response:**

{

"rows": [

{

"amount": "10.54000000",

"asset": "USDT",

"time": 1577257222000,

"productId": "USDT001",

"redeemId": 40607,

"destAccount":"SPOT", // SPOT, FUNDING

"status": "PAID"

}

],

"total": 1

}

GET /sapi/v1/simple-earn/flexible/history/redemptionRecord

**Weight(IP): 150**

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| productId | STRING | NO |  |
| redeemId | STRING | NO |  |
| asset | STRING | NO |  |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| current | LONG | NO | Currently querying the page. Start from 1. Default:1 |
| size | LONG | NO | Default:10, Max:100 |

* The time between startTime and endTime cannot be longer than 3 months.
* If startTime and endTime are both not sent, then the last 30 days' data will be returned.
* If startTime is sent but endTime is not sent, the next 30 days' data beginning from startTime will be returned.
* If endTime is sent but startTime is not sent, the 30 days' data before endTime will be returned.

## Get Locked Redemption Record (USER\_DATA)

**Response:**

{

"rows": [

{

"positionId": "123123",

"redeemId": 40607,

"time": 1575018510000,

"asset": "BNB",

"lockPeriod": "30",

"amount": "21312.23223",

"type": "MATURE", //MATURE for redeem to Spot Wallet, NEW\_TRANSFERRED for redeem to Flexible product, AHEAD for early redemption

"deliverDate": "1575018510000",

"status": "PAID"

}

],

"total": 1

}

GET /sapi/v1/simple-earn/locked/history/redemptionRecord

**Weight(IP): 150**

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| positionId | STRING | NO |  |
| redeemId | STRING | NO |  |
| asset | STRING | NO |  |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| current | LONG | NO | Currently querying the page. Start from 1. Default:1 |
| size | LONG | NO | Default:10, Max:100 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* The time between startTime and endTime cannot be longer than 3 months.
* If startTime and endTime are both not sent, then the last 30 days' data will be returned.
* If startTime is sent but endTime is not sent, the next 30 days' data beginning from startTime will be returned.
* If endTime is sent but startTime is not sent, the 30 days' data before endTime will be returned.

## Get Flexible Rewards History (USER\_DATA)

**Response:**

{

"rows": [

{

"asset": "BUSD",

"rewards": "0.00006408",

"projectId": "USDT001",

"type": "BONUS",

"time": 1577233578000

},

{

"asset": "USDT",

"rewards": "0.00687654",

"projectId": "USDT001",

"type": "REALTIME",

"time": 1577233562000

}

],

"total": 2

}

GET /sapi/v1/simple-earn/flexible/history/rewardsRecord

**Weight(IP): 150**

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| productId | STRING | NO |  |
| asset | STRING | NO |  |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| type | ENUM | YES | BONUS - Bonus tiered APR, REALTIME Real-time APR, REWARDS Historical rewards |
| current | LONG | NO | current page 1， default 1 |
| size | LONG | NO | default 10，max 100 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* The time between startTime and endTime cannot be longer than 3 months.
* If startTime and endTime are both not sent, then the last 30 days' data will be returned.
* If startTime is sent but endTime is not sent, the next 30 days' data beginning from startTime will be returned.
* If endTime is sent but startTime is not sent, the 30 days' data before endTime will be returned.

## Get Locked Rewards History (USER\_DATA)

**Response:**

{

"rows": [

{

"positionId": "123123",

"time": 1575018510000,

"asset": "BNB",

"lockPeriod": "30",

"amount": "21312.23223"

}

],

"total": 1

}

GET /sapi/v1/simple-earn/locked/history/rewardsRecord

**Weight(IP): 150**

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| positionId | STRING | NO |  |
| asset | STRING | NO |  |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| current | LONG | NO | Currently querying the page. Start from 1. Default:1 |
| size | LONG | NO | Default:10, Max:100 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* The time between startTime and endTime cannot be longer than 3 months.
* If startTime and endTime are both not sent, then the last 30 days' data will be returned.
* If startTime is sent but endTime is not sent, the next 30 days' data beginning from startTime will be returned.
* If endTime is sent but startTime is not sent, the 30 days' data before endTime will be returned.

## Set Flexible Auto Subscribe (USER\_DATA)

**Response:**

{

"success": true

}

POST /sapi/v1/simple-earn/flexible/setAutoSubscribe

**Weight(IP): 150**

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| productId | STRING | YES |  |
| autoSubscribe | BOOLEAN | YES | true or false |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Set Locked Auto Subscribe (USER\_DATA)

**Response:**

{

"success": true

}

POST /sapi/v1/simple-earn/locked/setAutoSubscribe

**Weight(IP): 150**

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| positionId | STRING | YES |  |
| autoSubscribe | BOOLEAN | YES | true or false |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Get Flexible Personal Left Quota (USER\_DATA)

**Response:**

{

"leftPersonalQuota": "1000"

}

GET /sapi/v1/simple-earn/flexible/personalLeftQuota

**Weight(IP): 150**

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| productId | STRING | YES |  |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Get Locked Personal Left Quota (USER\_DATA)

**Response:**

{

"leftPersonalQuota": "1000"

}

GET /sapi/v1/simple-earn/locked/personalLeftQuota

**Weight(IP): 150**

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| projectId | STRING | YES |  |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Get Flexible Subscription Preview (USER\_DATA)

**Response:**

{

"totalAmount": "1232.32230982",

"rewardAsset": "BUSD",

"airDropAsset": "BETH",

"estDailyBonusRewards": "0.22759183",

"estDailyRealTimeRewards": "0.22759183",

"estDailyAirdropRewards": "0.22759183"

}

GET /sapi/v1/simple-earn/flexible/subscriptionPreview

**Weight(IP): 150**

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| productId | STRING | YES |  |
| amount | DECIMAL | YES |  |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Get Locked Subscription Preview (USER\_DATA)

**Response:**

[

{

"rewardAsset": "AXS",

"totalRewardAmt": "5.17181528",

"extraRewardAsset": "BNB",

"estTotalExtraRewardAmt": "5.17181528",

"nextPay": "1.29295383",

"nextPayDate": "1646697600000",

"valueDate": "1646697600000",

"rewardsEndDate": "1651449600000",

"deliverDate": "1651536000000",

"nextSubscriptionDate": "1651536000000"

}

]

GET /sapi/v1/simple-earn/locked/subscriptionPreview

**Weight(IP): 150**

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| projectId | STRING | YES |  |
| amount | DECIMAL | YES |  |
| autoSubscribe | BOOLEAN | NO | true or false, default true. |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Get Rate History (USER\_DATA)

**Response:**

{

"rows": [

{

"productId": "BUSD001",

"asset": "BUSD",

"annualPercentageRate": "0.00006408",

"time": 1577233578000

}

],

"total": "1"

}

GET /sapi/v1/simple-earn/flexible/history/rateHistory

**Weight(IP): 150**

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| productId | STRING | YES |  |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| current | LONG | NO | Currently querying page. Start from 1. Default:1 |
| size | LONG | NO | Default:10, Max:100 |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

* The time between startTime and endTime cannot be longer than 3 months.
* If startTime and endTime are both not sent, then the last 30 days' data will be returned.
* If startTime is sent but endTime is not sent, the next 30 days' data beginning from startTime will be returned.
* If endTime is sent but startTime is not sent, the 30 days' data before endTime will be returned.

## Get Collateral Record (USER\_DATA)

**Response:**

{

"rows": [

{

"amount": "100.00000000",

"productId": "BUSD001",

"asset": "USDT",

"createTime": 1575018510000,

"type": "REPAY",

"productName": "USDT",

"orderId": 26055

}

],

"total": "1"

}

GET /sapi/v1/simple-earn/flexible/history/collateralRecord

**Weight(IP): 1**

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| productId | STRING | NO |  |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| current | LONG | NO | Currently querying page. Start from 1. Default:1 |
| size | LONG | NO | Default:10, Max:100 |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

* The time between startTime and endTime cannot be longer than 30 days.
* If startTime and endTime are both not sent, then the last 30 days' data will be returned.
* If startTime is sent but endTime is not sent, the next 30 days' data beginning from startTime will be returned.
* If endTime is sent but startTime is not sent, the 30 days' data before endTime will be returned.

# Dual Investment Endpoints

## Get Dual Investment product list(USER\_DATA)

**Response:**

{

"total": 1,

"list": [

{

"id": "741590",

"investCoin": "USDT",

"exercisedCoin": "BNB",

"strikePrice": "380",

"duration": 4,

"settleDate": 1709020800000,

"purchaseDecimal": 8,

"purchaseEndTime": 1708934400000,

"canPurchase": true, //true, false

"apr": "0.6076",

"orderId": 8257205859,

"minAmount": "0.1",

"maxAmount": "25265.7",

"createTimestamp": 1708560084000,

"optionType": "PUT",

"isAutoCompoundEnable": true, //true, false

"autoCompoundPlanList": [

"STANDARD",

"ADVANCE"

]

}

]

}

GET /sapi/v1/dci/product/list

Get Dual Investment product list

**Weight(IP): 1**

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| optionType | STRING | YES | Input CALL or PUT |
| exercisedCoin | STRING | YES | Target exercised asset, e.g.: if you subscribe to a high sell product (call option), you should input: optionType:CALL,exercisedCoin:USDT,investCoin:BNB; if you subscribe to a low buy product (put option), you should input: optionType:PUT,exercisedCoin:BNB,investCoin:USDT |
| investCoin | STRING | YES | Asset used for subscribing, e.g.: if you subscribe to a high sell product (call option), you should input: optionType:CALL,exercisedCoin:USDT,investCoin:BNB; if you subscribe to a low buy product (put option), you should input: optionType:PUT,exercisedCoin:BNB,investCoin:USDT |
| pageSize | LONG | NO | Default: 10, Maximum: 100 |
| pageIndex | INT | NO | Default: 1 |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

## Subscribe Dual Investment products(USER\_DATA)

**Response:**

{

"positionId": 10208824,

"investCoin": "BNB",

"exercisedCoin": "USDT",

"subscriptionAmount": "0.002",

"duration": 4,

"autoCompoundPlan": "STANDARD", //STANDARD, ADVANCED, this field won't display when autocompound is set to None

"strikePrice": "380",

"settleDate": 1709020800000,

"purchaseStatus": "PURCHASE\_SUCCESS",

"apr": "0.7397",

"orderId": 8259117597,

"purchaseTime": 1708677583874,

"optionType": "CALL"

}

POST /sapi/v1/dci/product/subscribe

Subscribe Dual Investment products

**Weight(IP): 1**

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| id | STRING | YES | get id from /sapi/v1/dci/product/list |
| orderId | STRING | YES | get orderId from /sapi/v1/dci/product/list |
| depositAmount | DECIMAL | YES | the amount for subscribing |
| autoCompoundPlan | ENUM | YES | NONE: switch off the plan, STANDARD:standard plan,ADVANCED:advanced plan |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

Failed messages:

* Products are not available. // this means APR changes to lower value, or orders are not unavailable.
* Failed. This means System or network errors.

## Get Dual Investment positions(USER\_DATA)

**Response:**

{

"total": 1,

"list": [

{

"id": "10160533", //positionId

"investCoin": "USDT",

"exercisedCoin": "BNB",

"subscriptionAmount": "0.5",

"strikePrice": "330",

"duration": 4,

"settleDate": 1708416000000,

"purchaseStatus": "PURCHASE\_SUCCESS",

"apr": "0.0365",

"orderId": 7973677530,

"purchaseEndTime": 1708329600000, //申购中, 申购成功, 已结算, 申购失败, 退款中, 退款成功, 结算中

"optionType": "PUT",

"autoCompoundPlan": "STANDARD" //关闭计划, 基础计划, 进阶计划

}

]

}

GET /sapi/v1/dci/product/positions

Get Dual Investment positions (batch)

**Weight(IP): 1**

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| status | ENUM | NO | PENDING:Products are purchasing, will give results later;PURCHASE\_SUCCESS:purchase successfully;SETTLED: Products are finish settling;PURCHASE\_FAIL:fail to purchase;REFUNDING:refund ongoing;REFUND\_SUCCESS:refund to spot account successfully; SETTLING:Products are settling. If don't fill this field, will response all the position status. |
| pageSize | LONG | NO | Default: 10, Max:100 |
| pageIndex | INT | NO | Default:1 |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

## Check Dual Investment accounts(USER\_DATA)

**Response:**

{

"totalAmountInBTC": "0.01067982", //Total BTC amounts in Dual Investment

"totalAmountInUSDT": "77.13289230" //Total USDT equivalents in BTC in Dual Investment

}

GET /sapi/v1/dci/product/accounts

Check Dual Investment accounts

**Weight(IP): 1**

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

## Change Auto-Compound status(USER\_DATA)

**Response:**

{

"positionId":"123456789"

"autoCompoundPlan":"ADVANCED", //NONE,STANDARD,ADVANCED

}

POST /sapi/v1/dci/product/auto\_compound/edit-status

Change Auto-Compound status

**Weight(IP): 1**

**Rate Limit:** Maximum 1 time/s per account

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| positionId | STRING | YES | Get positionId from /sapi/v1/dci/product/positions |
| autoCompoundPlan | STRING | YES | NONE, STANDARD,ADVANCED |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

Notes:

* 15:31 ~ 16:00 UTC+8 This function is disabled

# Auto-Invest Endpoints

* The endpoints below allow you to interact with Binance Auto-Invest.
* For more information on this, please refer to the [Binance Auto-Invest page](https://www.binance.com/en/auto-invest) and [Binance Auto-Invest FAQ](https://www.binance.com/en/support/faq/what-is-auto-invest-and-how-to-use-it-3dd41bc1d4ea4879863ffbf2211a17fe)

## Get target asset list(USER\_DATA)

**Response:**

{

"targetAssets": [

"BTC"

],

"autoInvestAssetList": [

{

"targetAsset": "BTC",

"roiAndDimensionTypeList": [

{

"simulateRoi": "5.004",

"dimensionValue": "3",

"dimensionUnit": "year"

},

{

"simulateRoi": "2.004",

"dimensionValue": "1",

"dimensionUnit": "year"

},

{

"simulateRoi": "1.004",

"dimensionValue": "6",

"dimensionUnit": "month"

},

{

"simulateRoi": "0.904",

"dimensionValue": "3",

"dimensionUnit": "month"

},

{

"simulateRoi": "0.14",

"dimensionValue": "7",

"dimensionUnit": "day"

}

]

}

]

}

GET /sapi/v1/lending/auto-invest/target-asset/list

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| targetAsset | STRING | NO |  |
| size | LONG | NO | Default: 8, Max:100 |
| current | LONG | NO | Current query page. Default: 1, start from 1 |
| recvWindow | LONG | NO | no more than 60000 |
| timestamp | LONG | YES |  |

## Get target asset ROI data(USER\_DATA)

**Response:**

[

{

"date": "1648378800000", // date of the ROI accumulation

"simulateRoi": "1.75" // value of calculated ROI till the date

},

{

"date": "1648478800000",

"simulateRoi": "2.9"

}

]

GET /sapi/v1/lending/auto-invest/target-asset/roi/list

ROI return list for target asset

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| targetAsset | STRING | YES | e.g "BTC" |
| hisRoiType | ENUM | YES | FIVE\_YEAR,THREE\_YEAR,ONE\_YEAR,SIX\_MONTH,THREE\_MONTH,SEVEN\_DAY |
| recvWindow | LONG | NO | no more than 60000 |
| timestamp | LONG | YES |  |

## Query all source asset and target asset(USER\_DATA)

**Response:**

{

"targetAssets": [

"BTC",

"BNB"

],

"sourceAssets": [

"USDT",

"BUSD"

],

}

GET /sapi/v1/lending/auto-invest/all/asset

Query all source assets and target assets

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| recvWindow | LONG | NO | no more than 60000 |
| timestamp | LONG | YES |  |

## Query source asset list(USER\_DATA)

**Response:**

{

"feeRate": "0.002",

"taxRate": "0.001",

"sourceAssets": [

{

"sourceAsset": "USDT",

"assetMinAmount": "0.1" ,

"assetMaxAmount": "1000000",

"scale": "2",

"flexibleAmount":"1111"

},

{

"sourceAsset": "BUSD",

"assetMinAmount": "0.1" ,

"assetMaxAmount": "1000000",

"scale": "2",

"flexibleAmount":"1111"

}

]

}

GET /sapi/v1/lending/auto-invest/source-asset/list

Query Source Asset to be used for investment

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| targetAsset | Array<STRING> | NO | BTC、ETH、BNB |
| indexId | Long | NO | 指数identifier, value = 1 |
| usageType | STRING | YES | "RECURRING", "ONE\_TIME" |
| flexibleAllowedToUse | BOOLEAN | NO |  |
| sourceType | ENUM | NO | MAIN\_SITE for Binance user,TR for Binance Turkey user |
| recvWindow | LONG | NO | no more than 60000 |
| timestamp | LONG | YES |  |

## Investment plan creation(USER\_DATA)

**Response:**

{

"planId": 12345, //for success creation, planId is associated. PlanId remains constant when plan is being updated

"nextExecutionDateTime":1648378800000, //plan next excute timestamp

}

POST /sapi/v1/lending/auto-invest/plan/add

Post an investment plan creation

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| sourceType | ENUM | YES | "MAIN\_SITE" for Binance,“TR” for Binance Turkey |
| requestId | STRING | NO | if not null, must follow sourceType + unique string, e.g: TR12354859 |
| planType | ENUM | YES | “SINGLE”,”PORTFOLIO”,”INDEX” |
| indexId | LONG | NO | Only for planType = INDEX , value = 1 |
| subscriptionAmount | DECIMAL | YES | Fiat&stablecoin: 2dp, BNB/ETH/BTC: 4dp |
| subscriptionCycle | ENUM | YES | "H1", "H4", "H8","H12", "WEEKLY","DAILY","MONTHLY","BI\_WEEKLY" |
| subscriptionStartDay | INTEGER | NO | “1”,...”31”; Mandatory if “subscriptionCycleNumberUnit” = “MONTHLY”, Must be sent in form of UTC+0 |
| subscriptionStartWeekday | ENUM | NO | “MON”,”TUE”,”WED”,”THU”,”FRI”,”SAT”,”SUN”; Mandatory if “subscriptionCycleNumberUnit” = “WEEKLY” or “BI\_WEEKLY”, Must be sent in form of UTC+0 |
| subscriptionStartTime | INTEGER | YES | “0,1,2,3,4,5,6,7,8,..23”;Must be sent in form of UTC+0 |
| sourceAsset | STRING | YES | like “USDT” |
| flexibleAllowedToUse | BOOLEAN | NO | true/false；true: use flexible wallet |
| details | Array<PortfolioDetail> | YES | sum(all node's percentage) == 100，sum(all node's percentage) == 100， When input request parameter, each entry should be like details[0].targetAsset=BTC, Example of the request parameter array: |
| details[0].targetAsset=BTC details[0].percentage=60 details[1].targetAsset=ETH details[1].percentage=40 |  |  |  |
| recvWindow | LONG | NO | no more than 60000 |
| timestamp | LONG | YES |  |

* max one request every 3s per account

## Investment plan adjustment (TRADE)

**Response:**

{

"planId": 12345, //for success creation, planId is associated. PlanId remains constant when plan is being updated

"nextExecutionDateTime":1648378800000

}

POST /sapi/v1/lending/auto-invest/plan/edit

Query Source Asset to be used for investment

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| planId | LONG | YES | Plan identifier |
| subscriptionAmount | DECIMAL | YES | Fiat&Stablecoin: 2dp, BNB/ETH/BTC: 4dp |
| subscriptionCycle | ENUM | YES | "H1", "H4", "H8","H12", "WEEKLY","DAILY","MONTHLY","BI\_WEEKLY" |
| subscriptionStartDay | INTEGER | NO | “1”,...”31”;Mandatory if “subscriptionCycleNumberUnit” = “MONTHLY”,Must be sent in form of UTC+0 |
| subscriptionStartWeekday | ENUM | NO | “MON”,”TUE”,”WED”,”THU”,”FRI”,”SAT”,”SUN”;Mandatory if “subscriptionCycleNumberUnit” = “WEEKLY” or “BI\_WEEKLY”, Must be sent in form of UTC+0 |
| subscriptionStartTime | INTEGER | YES | “0,1, 2,3,4,5,6,7,8,..23”; Must be sent in form of UTC+0 |
| sourceAsset | STRING | YES | e.g. “USDT” |
| flexibleAllowedToUse | BOOLEAN | NO | true/false；true:use flexible wallet |
| details | Array<PortfolioDetail> | YES | sum(all node's percentage) == 100，sum(all node's percentage) == 100， When input request parameter, each entry should be like details[0].targetAsset=BTC, Example of the request parameter array: |
| details[0].targetAsset=BTC details[0].percentage=60 details[1].targetAsset=ETH details[1].percentage=40 |  |  |  |
| recvWindow | LONG | NO | no more than 60000 |
| timestamp | LONG | YES |  |

* max one request every 3s per account

## Change Plan Status (TRADE)

**Response:**

{

"planId": 12345, //planId is constant regardless the change of the status

"nextExecutionDateTime":1648378800000,

"status":"ONGOING" //ONGOING, PAUSED, REMOVED

}

POST /sapi/v1/lending/auto-invest/plan/edit-status

Change Plan Status

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| planId | LONG | YES | Plan identifier |
| status | ENUM | YES | “ONGOING”,”PAUSED","REMOVED" |
| recvWindow | LONG | NO | no more than 60000 |
| timestamp | LONG | YES |  |

* max one request every 3s per account

## Get list of plans (USER\_DATA)

**Response:**

SINGLE/PORTFOLIO

{

"planValueInUSD": "123",

"planValueInBTC":"0.1",

"pnlInUSD":"120",

"roi":"2.3",

"plans": [

{

"planId": 12345,

"planType": "SINGLE",

"editAllowed": "true",

"creationDateTime": 1648378800000,

"firstExecutionDateTime": 1648378800000, //first subscription date time

"nextExecutionDateTime": 1648378800000,

"status": "ONGOING", // ONGOING,PAUSED

"lastUpdatedDateTime": 1648378800000,

"targetAsset": "BTC",

"totalTargetAmount":"0.111",

"sourceAsset": "BUSD",

"totalInvestedInUSD":"4.555",

"subscriptionAmount": "0.1",

"subscriptionCycle": "WEEKLY",

"subscriptionStartDay": null,

"subscriptionStartWeekday" : "MON",

"subscriptionStartTime": "1",

"sourceWallet": "SPOT\_WALLET",

"flexibleAllowedToUse": "false",

"planValueInUSD": "101.2",

"pnlInUSD": "101.2",

"roi": "1.02"

}

]

}

OR INDEX

{

"planValueInUSD": "123",

"planValueInBTC": "0.1",

"plans": [

{

"planId": 12345,

"planType": "INDEX",

"editAllowed": "true",

"creationDateTime": 1648378800000,

"firstExecutionDateTime": 1648378800000, //first subscription date time

"nextExecutionDateTime": 1648378800000,

"status": "ONGOING",

"lastUpdatedDateTime": 1648378800000,

"targetAsset": "BTC",

"sourceAsset": "BUSD",

"totalInvestedInUSD":"4.555",

"subscriptionAmount": "0.1",

"subscriptionCycle": "DAILY",

"subscriptionStartDay": "1",

"subscriptionStartWeekday" : null,

"subscriptionStartTime": "2",

"sourceWallet": "SPOT",

"flexibleAllowedToUse": "false",

}

]

}

GET /sapi/v1/lending/auto-invest/plan/list

Query plan lists

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| planType | STRING | YES | Plan identifier |
| recvWindow | LONG | NO | no more than 60000 |
| timestamp | LONG | YES |  |

* max one request every 3s per account

## Query holding details of the plan (USER\_DATA)

**Response:**

{

"planId": 111212,

"planType": "INDEX", // this is the plan type: "SINGLE","PORTFOLIO","INDEX"

"editAllowed": "true", //whether this plan is allowed to be modified

"flexibleAllowedToUse": "false",

"creationDateTime": 1648378800000, // date time that this plan is created. YYYY-MM-DD HH:mm:SS e.g 2022-01-07 08:00:00

"firstExecutionDateTime": 1648378800000, //first subscription date time

"nextExecutionDateTime": 1648378800000, //next subscription date time

"status": "ONGOING", //plan status of the selected plan

"targetAsset": "BTC",

"sourceAsset": "BUSD", //source asset of the plan created

"planValueInUSD": "101.2", //market value of the plan

"pnlInUSD": "101.2", // PNL of the plan in USD

"roi": "1.023", //ROI of the plan

"totalInvestedInUSD": "122", //total source asset invested in equivilent of USD

"details": [

{

"targetAsset": "ADA",

"averagePriceInUSD": "3.4", //average price of the asset in USD

"totalInvestedInUSD": "222.21", //total source asset invested for this target asset in equivilent of USD

"purchasedAmount": "122.12345678", //purchased amount of target asset

"purchasedAmountUnit": "ADA",

"pnlInUSD": "109.2", //PNL denominated in USD

"roi": "0.1", //ROI calculated in decimal

"percentage": "50", //asset allocation in the plan. If it's single plan, then it's 100

"assetStatus":"ACTIVE", // ACTIVE / INACTIVE whether this asset is still being subscribed in this plan

"availableAmount": "122.12345678", // Only for planType = INDEX

"availableAmountUnit": "ADA", // Only for planType = INDEX

"redeemedAmout": "122.12345678", // Only for planType = INDEX

"redeemedAmoutUnit": "ADA", // Only for planType = INDEX

"assetValueInUSD": "101.2" // Only for planType = INDEX

}

]

}

GET /sapi/v1/lending/auto-invest/plan/id

Query holding details of the plan

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| planId | LONG | NO | Plan identifier |
| requestId | STRING | NO | requestId when create |
| recvWindow | LONG | NO | no more than 60000 |
| timestamp | LONG | YES |  |

## Query subscription transaction history (USER\_DATA)

**Response:**

[

{

"id":1111,

"targetAsset":"BTC", //name of the asset

"planType":"SINGLE", //plan type of which this transaction is from

"planName":"BTC", // plan name of which this transaction is from

"planId":1234, // plan identifier of which this transaction is from

"transactionDateTime":1648378800000, //transaction timestamp

"transactionStatus":"SUCCESS", //status of the transaction: "SUCCESS","FAILED","PENDING"

"failedType":"INSUFFICIENT\_BALANCE",// only show when transactionStatus = FAILED, INSUFFICIENT\_BALANCE,TRANSACTION\_REJECT/GCC\_RJECT

"sourceAsset":"BUSD", //source asset of the transaction

"sourceAssetAmount":"297.12345", //amount of source asset used

"targetAssetAmount":"0.005", //purchased amount of the asset

"sourceWallet":"SPOT\_WALLET", // SPOT\_WALLET,FLEXIBLE\_SAVINGS,SPOT\_WALLET\_FLEXIBLE\_SAVINGS,REWARDS

"flexibleUsed":"false", //whether simple earn wallet is used

"transactionFee":"0.002", //transaction fee amount

"transactionFeeUnit":"BUSD", //denominated coin of the transaction fee

"executionPrice":"2342" //price of the subscription price. It's amount of source asset equivilent of 1 unit of target asset

"executionType":"RECURRING", //ONE\_TIME,RECURRING

"subscriptionCycle": "WEEKLY"

}

]

GET /sapi/v1/lending/auto-invest/history/list

Query subscription transaction history of a plan

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| planId | LONG | NO | Plan identifier |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| targetAsset | STRING | NO |  |
| planType | ENUM | NO | SINGLE, PORTFOLIO, INDEX, ALL |
| size | LONG | NO | Default:10, Max:100 |
| current | LONG | NO | Currently querying page. Start from 1. Default:1 |
| recvWindow | LONG | NO | no more than 60000 |
| timestamp | LONG | YES |  |

* Max span between startTime and endTime is 30days
* If both startTime and endTime are null，then default is 30days

## Query Index Details(USER\_DATA)

**Response:**

{

"indexId": 1,

"indexName":"BINANCE TOP 10 EW ",

"status": "RUNNING", // RUNNING/REBALANCING/PAUSED

"assetAllocation": [

{

"targetAsset": "ADA", // for pie chart

"allocation":"10"

},

{

"targetAsset": "BTC",

"allocation":"10"

}

]

}

GET /sapi/v1/lending/auto-invest/index/info

Query index details

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| indexId | LONG | YES |  |
| recvWindow | LONG | NO | no more than 60000 |
| timestamp | LONG | YES |  |

## Query Index Linked Plan Position Details(USER\_DATA)

**Response:**

{

"indexId": 1,

"totalInvestedInUSD":"114.555",

"currentInvestedInUSD": "101.2", //current invest

"pnlInUSD": "101.2", // PNL of the plan in USD based on current amount

"roi": "1.023", //ROI of the plan based on current amount

"assetAllocation": [

{

"targetAsset": "ADA", // for pie chart

"allocation":"10"

},

{

"targetAsset": "BTC",

"allocation":"10"

}

]

"details": [

{

"targetAsset": "ADA",

"averagePriceInUSD": "3.4", //average price of the asset in USD

"totalInvestedInUSD": "222.21", //total source asset invested for this target asset in equivilent of USD

"currentInvestedInUSD": "101.2", //current invest

"purchasedAmount": "122.12345678", //purchased amount of target asset

"pnlInUSD": "109.2", //PNL denominated in USD

"roi": "0.1", //ROI calculated in decimal

"percentage": "10", //asset allocation in the plan. If it's single plan, then it's 100

"availableAmount": "122.12345678",

"redeemedAmount": "122.12345678",

"assetValueInUSD": "101.2"

},

{

"targetAsset": "MATIC",

"averagePriceInUSD": "3.4", //average price of the asset in USD

"totalInvestedInUSD": "222.21", //total source asset invested for this target asset in equivilent of USD

"currentInvestedInUSD": "101.2", //current invest

"purchasedAmount": "122.12345678", //purchased amount of target asset

"pnlInUSD": "109.2", //PNL denominated in USD

"roi": "0.1", //ROI calculated in decimal

"percentage": "10", //asset allocation in the plan. If it's single plan, then it's 100

"availableAmount": "122.12345678",

"redeemedAmount": "122.12345678",

"assetValueInUSD": "101.2"

}

]

}

GET /sapi/v1/lending/auto-invest/index/user-summary

Details on users Index-Linked plan position details

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| indexId | LONG | YES |  |
| recvWindow | LONG | NO | no more than 60000 |
| timestamp | LONG | YES |  |

## One Time Transaction(TRADE)

**Response:**

{

"transactionId": 12345, //transaction identifier

"waitSecond": 5 // wait this second,then check the result

}

POST /sapi/v1/lending/auto-invest/one-off

One time transaction

**Weight(IP):** 1

**Rate Limit:** once every 3s per account

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| sourceType | STRING | YES | "MAIN\_SITE" for Binance,“TR” for Binance Turkey |
| requestId | STRING | NO | if not null, must follow sourceType + unique string, e.g: TR12354859 |
| subscriptionAmount | DECIMAL | YES |  |
| sourceAsset | STRING | YES | e.g “USDT” |
| flexibleAllowedToUse | BOOLEAN | NO | true/false；true: using flexible wallet |
| planId | LONG | NO | PORTFOLIO plan's Id |
| indexId | LONG | NO | now only can set = 1 |
| details | Array<PortfolioDetail> | YES | sum(all node's percentage) == 100，sum(all node's percentage) == 100， When input request parameter, each entry should be like details[0].targetAsset=BTC, Example of the request parameter array: |
| details[0].targetAsset=BTC details[0].percentage=60 details[1].targetAsset=ETH details[1].percentage=40 |  |  |  |
| recvWindow | LONG | NO | no more than 60000 |
| timestamp | LONG | YES |  |

* planId/planId/details must not all be null

## Query One-Time Transaction Status(USER\_DATA)

**Response:**

{

"transactionId": 12345, //transaction identifier

"status": "SUCCESS" //status of transaction"SUCCESS"/"CONVERTING"

}

GET /sapi/v1/lending/auto-invest/one-off/status

Transaction status for one-time transaction

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| transactionId | LONG | YES | PORTFOLIO plan's Id |
| requestId | STRING | NO | sourceType + unique, transactionId and requestId cannot be empty at the same time |
| recvWindow | LONG | NO | no more than 60000 |
| timestamp | LONG | YES |  |

## Index Linked Plan Redemption(TRADE)

**Response:**

{

"redemptionId":19, //This is the identifier for this redemption requests

}

POST /sapi/v1/lending/auto-invest/redeem

To redeem index-Linked plan holdings

**Weight(IP):** 1

**Rate Limit:** once every 3s per account

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| indexId | LONG | YES | PORTFOLIO plan's Id |
| requestId | STRING | NO | sourceType + unique, transactionId and requestId cannot be empty at the same time |
| redemptionPercentage | LONG | YES | user redeem percentage,10/20/100.. |
| recvWindow | LONG | NO | no more than 60000 |
| timestamp | LONG | YES |  |

## Index Linked Plan Redemption(USER\_DATA)

**Response:**

[

{

"indexId":1, //index identifier

"indexName":"BINANCE TOP 10 EW", //index name

"redemptionId":11 //redemption record identifier

"status":"SUCCESS", //redemption SUCCESS/FAILED

"asset":"BTC", //asset invovled

"amount":"0.005", //redemption amount

"redemptionDateTime":1648378800000, //redemption timestamp

"transactionFee":"0", //redemption fee

"transactionFeeUnit":"USDT" //denomination of redemption fee amount

},

{

"indexId":1,

"indexName":"BINANCE TOP 10 EW",

"redemptionId":12

"status":"SUCCESS",

"asset":"BNB",

"amount":"0.005",

"redemptionDateTime":1648378800000,

"transactionFee":"0",

"transactionFeeUnit":"USDT"

}

]

GET /sapi/v1/lending/auto-invest/redeem/history

Get the history of Index Linked Plan Redemption transactions

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| requestId | LONG | YES | request id |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| current | LONG | NO | Currently querying page. Start from 1,Default:1 |
| asset | STRING | NO |  |
| size | LONG | NO | Default:10, Max:100 |
| recvWindow | LONG | NO | no more than 60000 |
| timestamp | LONG | YES |  |

* Max 30 day difference between startTime and endTime
* If no startTime and endTime, default to show past 30 day records

## Index Linked Plan Rebalance Details(USER\_DATA)

**Response:**

[

{

"indexId":1, //index identifier

"indexName":"BINANCE TOP 10 EW", //index name

"rebalanceId":11, //rebalance identifier

"status":"SUCCESS", //rebalance status SUCCESS/INIT

"rebalanceFee":"10", //rebalance fee

"rebalanceFeeUnit":"USDT", // rebalance fee unit

"transactionDetails":[

{

"asset":"BTC", //assets to be rebalanced

"transactionDateTime":1648378800000, //rebalance transaction timestamp

"rebalanceDirection":"BUY", //rebalance direction

"rebalanceAmount":"0.005", //rebalance amount for the asset

},

{

"asset":"ETH",

"transactionDateTime":1648378800000,

"rebalanceDirection":"BUY",

"rebalanceAmount":"0.005",

}

]

}

]

GET /sapi/v1/lending/auto-invest/rebalance/history

Get the history of Index Linked Plan Redemption transactions

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| current | LONG | NO | Currently querying page. Start from 1,Default:1 |
| size | LONG | NO | Default:10, Max:100 |
| recvWindow | LONG | NO | no more than 60000 |
| timestamp | LONG | YES |  |

* Max 30 day difference between startTime and endTime
* If no startTime and endTime, default to show past 30 day records

# Staking Endpoints

The endpoints below allow you to interact with Staking. For more information on this, please refer to the [Staking](https://www.binance.com/en/staking) page

## Subscribe ETH Staking(TRADE)

**Response:**

{

"success": true

}

POST /sapi/v1/eth-staking/eth/stake

**Weight(IP): 150**

**Rate Limit: 1/3s per account**

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| amount | DECIMAL | YES | Amount in ETH, limit 4 decimals |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* You need to open Enable Spot & Margin Trading permission for the API Key which requests this endpoint.

## Subscribe ETH Staking V2(TRADE)

**Response:**

{

"success": true,

"wbethAmount":"0.23092091",

"conversionRatio": "1.001212342342" // ETH amount per 1 WBETH

}

POST /sapi/v2/eth-staking/eth/stake

Stake ETH to get WBETH

**Weight(IP): 150**

**Rate Limit: 1/3s per account**

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| amount | DECIMAL | YES | Amount in ETH, limit 4 decimals |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* You need to open Enable Spot & Margin Trading permission for the API Key which requests this endpoint.

## Redeem ETH (TRADE)

**Response:**

{

"success": true,

"arrivalTime": 1575018510000,

"ethAmount":"0.23092091",

"conversionRatio": "1.00121234"

}

POST /sapi/v1/eth-staking/eth/redeem

Redeem WBETH or BETH and get ETH

**Weight(IP):**

150

**Rate Limit:**

1/3s per account

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| asset | STRING | NO | WBETH or BETH, default to BETH |
| amount | DECIMAL | YES | Amount in BETH, limit 8 decimals |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* You need to open Enable Spot & Margin Trading permission for the API Key which requests this endpoint.

## Get ETH staking history (USER\_DATA)

**Response:**

{

"rows": [

{

"time": 1575018510000,

"asset": "ETH",

"amount": "21312.23223",

"status": "SUCCESS" //PENDING,SUCCESS,FAILED

"distributeAmount":"21286.42584",

"conversionRatio":"1.00121234"

}

],

"total": 1

}

GET /sapi/v1/eth-staking/eth/history/stakingHistory

**Weight(IP):**

150

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| current | LONG | NO | Currently querying page. Start from 1. Default: 1 |
| size | LONG | NO | Default: 10, Max: 100 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* The time between startTime and endTime cannot be longer than 3 months.
* If startTime and endTime are both not sent, then the last 30 days' data will be returned.
* If startTime is sent but endTime is not sent, the next 30 days' data beginning from startTime will be returned.
* If endTime is sent but startTime is not sent, the 30 days' data before endTime will be returned.

## Get ETH redemption history (USER\_DATA)

**Response:**

{

"rows": [

{

"time": 1575018510000,

"arrivalTime": 1575018510000,

"amount": "21312.23223",

"status": "SUCCESS",

"asset":"WBETH",

"distributeAsset": "ETH", //PENDING,SUCCESS,FAILED

"distributeAmount": "21338.0699",

"conversionRatio": "1.00121234"

}

],

"total": 1

}

GET /sapi/v1/eth-staking/eth/history/redemptionHistory

**Weight(IP):**

150

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| current | LONG | NO | Currently querying page. Start from 1. Default: 1 |
| size | LONG | NO | Default: 10, Max: 100 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* The time between startTime and endTime cannot be longer than 3 months.
* If startTime and endTime are both not sent, then the last 30 days' data will be returned.
* If startTime is sent but endTime is not sent, the next 30 days' data beginning from startTime will be returned.
* If endTime is sent but startTime is not sent, the 30 days' data before endTime will be returned.

## Get BETH rewards distribution history(USER\_DATA)

**Response:**

{

"rows": [

{

"time": 1575018510000,

"asset": "BETH",

"holding": "2.3223", // BETH holding balance

"amount": "0.23223", // Distributed rewards

"annualPercentageRate": "0.5", // 0.5 means 50% here

"status": "SUCCESS"

}

],

"total": 1

}

GET /sapi/v1/eth-staking/eth/history/rewardsHistory

**Weight(IP):**

150

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| current | LONG | NO | Currently querying page. Start from 1. Default: 1 |
| size | LONG | NO | Default: 10, Max: 100 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* The time between startTime and endTime cannot be longer than 3 months.
* If startTime and endTime are both not sent, then the last 30 days' data will be returned.
* If startTime is sent but endTime is not sent, the next 30 days' data beginning from startTime will be returned.
* If endTime is sent but startTime is not sent, the 30 days' data before endTime will be returned.

## Get current ETH staking quota (USER\_DATA)

**Response:**

{

"leftStakingPersonalQuota": "1000", // Show min(Daily available limit, total personal staking quota)

"leftRedemptionPersonalQuota": "1000" // Show min(Daily personal redeem quota, total redemption limit)

}

GET /sapi/v1/eth-staking/eth/quota

**Weight(IP):**

150

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Get WBETH Rate History (USER\_DATA)

**Response:**

{

"rows": [

{

"annualPercentageRate": "0.00006408", // BETH APR

"exchangeRate": "1.00121234", // BETH value per 1 WBETH

"time": 1577233578000

}

],

"total": "1"

}

GET /sapi/v1/eth-staking/eth/history/rateHistory

**Weight(IP):**

150

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| current | LONG | NO | Currently querying page. Start from 1. Default:1 |
| size | LONG | NO | Default:10, Max:100 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* The time between startTime and endTime cannot be longer than 3 months.
* If startTime and endTime are both not sent, then the last 30 days' data will be returned.
* If startTime is sent but endTime is not sent, the next 30 days' data beginning from startTime will be returned.
* If endTime is sent but startTime is not sent, the 30 days' data before endTime will be returned.

## ETH Staking account (USER\_DATA)

**Response:**

{

"cumulativeProfitInBETH": "0.01067982",

"lastDayProfitInBETH": "0.01067982"

}

GET /sapi/v1/eth-staking/account

**Weight(IP):**

150

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## ETH Staking account V2(USER\_DATA)

**Response:**

{

"holdingInETH":"1.22330928",

"holdings":{

wbethAmount="1.10928781",

bethAmount="1.90002112"

},

"thirtyDaysProfitInETH":"0.22330928",

"profit":{

amountFromWBETH="0.12330928", //Profit accrued within WBETH

amountFromBETH="0.1"  //BETH distributed to your Spot Wallet

}

}

GET /sapi/v2/eth-staking/account

**Weight(IP):**

150

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Wrap BETH(TRADE)

**Response:**

{

"success": true,

"wbethAmount": "0.23092091",

"exchangeRate": "1.001212343432"

}

POST /sapi/v1/eth-staking/wbeth/wrap

**Weight(IP):**

150

**Rate Limit:**

1/3s per account

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| amount | DECIMAL | YES | Amount in BETH, limit 4 decimals |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* You need to open Enable Spot & Margin Trading permission for the API Key which requests this endpoint.

## Get WBETH wrap history (USER\_DATA)

**Response:**

{

"rows": [

{

"time": 1575018510000,

"fromAsset": "BETH",

"fromAmount": "21312.23223",

"toAsset": "WBETH",

"toAmount": "21312.23223",

"exchangeRate": "1.01243253",  // BETH amount per 1 WBETH

"status": "SUCCESS" //PENDING,SUCCESS,FAILED

}

],

"total": 1

}

GET /sapi/v1/eth-staking/wbeth/history/wrapHistory

**Weight(IP):**

150

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| current | LONG | NO | Currently querying page. Start from 1. Default:1 |
| size | LONG | NO | Default:10, Max:100 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* The time between startTime and endTime cannot be longer than 3 months.
* If startTime and endTime are both not sent, then the last 30 days' data will be returned.
* If startTime is sent but endTime is not sent, the next 30 days' data beginning from startTime will be returned.
* If endTime is sent but startTime is not sent, the 30 days' data before endTime will be returned.

## Get WBETH unwrap history (USER\_DATA)

**Response:**

{

"rows": [

{

"time": 1575018510000,

"fromAsset": "WBETH",

"fromAmount": "21312.23223",

"toAsset": "BETH",

"toAmount": "21312.23223",

"exchangeRate": "1.01243253", // BETH value per 1 WBETH

"status": "SUCCESS" //PENDING,SUCCESS,FAILED

}

],

"total": 1

}

GET /sapi/v1/eth-staking/wbeth/history/unwrapHistory

**Weight(IP):**

150

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| current | LONG | NO | Currently querying page. Start from 1. Default:1 |
| size | LONG | NO | Default:10, Max:100 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* The time between startTime and endTime cannot be longer than 3 months.
* If startTime and endTime are both not sent, then the last 30 days' data will be returned.
* If startTime is sent but endTime is not sent, the next 30 days' data beginning from startTime will be returned.
* If endTime is sent but startTime is not sent, the 30 days' data before endTime will be returned.

## Get WBETH rewards history(USER\_DATA)

**Response:**

{

"estRewardsInETH":"1.23230920",

"rows":[

  {

    "time":1575018510000,

    "amountInETH":"0.23223", // Estimated rewards accrued within WBETH

    "holding":"2.3223", // WBETH holding balance

    "holdingInETH":"2.4231",

    "annualPercentageRate":"0.5",

  }

],

"total": 1

}

GET /sapi/v1/eth-staking/eth/history/wbethRewardsHistory

**Weight(IP):**

150

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| current | LONG | NO | Currently querying page. Start from 1. Default:1 |
| size | LONG | NO | Default:10, Max:100 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* The time between startTime and endTime cannot be longer than 3 months.
* If startTime and endTime are both not sent, then the last 30 days' data will be returned.
* If startTime is sent but endTime is not sent, the next 30 days' data beginning from startTime will be returned.
* If endTime is sent but startTime is not sent, the 30 days' data before endTime will be returned.

# Mining Endpoints

* The endpoints below allow to interact with Binance Pool.
* For more information on this, please refer to the [Binance Pool page](https://pool.binance.com/en)

## Acquiring Algorithm (MARKET\_DATA)

**Response:**

{

"code": 0,

"msg": "",

"data": [

{

"algoName": "sha256", // Algorithm name

"algoId": 1, // Algorithm ID

"poolIndex": 0, // Sequence

"unit": "h/s" // Unit

}

]

}

GET /sapi/v1/mining/pub/algoList

**Weight(IP):** 1

**Parameter:**

None

## Acquiring CoinName (MARKET\_DATA)

GET /sapi/v1/mining/pub/coinList

**Weight(IP):** 1

**Parameter:**

None

**Response:**

{

"code": 0,

"msg": "",

"data": [

{

"coinName": "BTC", // Currencyname

"coinId": 1, // id

"poolIndex": 0, // Sort

"algoId": 1, // Algorithm

"algoName": "sha256" //Name of algorithm

}

]

}

## Request for Detail Miner List (USER\_DATA)

**Response:**

{

"code": 0,

"msg": "",

"data": [

{

"workerName": "bhdc1.16A10404B", //Mining Account name

"type": "H\_hashrate", // Type of hourly hashrate

"hashrateDatas": [

{

"time": 1587902400000, // Time

"hashrate": "0", // Hashrate

"reject": 0 //Rejection Rate

},

{

"time": 1587906000000,

"hashrate": "0",

"reject": 0

}

]

},

{

"workerName": "bhdc1.16A10404B", //Mining Account name

"type": "D\_hashrate", //Type of daily hashrate

"hashrateDatas": [

{

"time": 1587902400000, // Time

"hashrate": "0", // Hashrate

"reject": 0 //Rejection Rate

},

{

"time": 1587906000000,

"hashrate": "0",

"reject": 0

}

]

}

]

}

GET /sapi/v1/mining/worker/detail

**Weight(IP):** 5

**Parameter:**

| **Name** | **Type** | **Mandatory** | **Description** | **For Example** |
| --- | --- | --- | --- | --- |
| algo | STRING | YES | Algorithm(sha256) | sha256 |
| userName | STRING | YES | Mining account | test |
| workerName | STRING | YES | Miner’s name(required) | bhdc1.16A10404B |
| recvWindow | LONG | NO |  |  |
| timestamp | LONG | YES |  |  |

## Request for Miner List (USER\_DATA)

**Response:**

{

"code": 0,

"msg": "",

"data": {

"workerDatas": [

{

"workerId": "1420554439452400131", //Miner ID

"workerName": "2X73", //Miner's name

"status": 3, // Status：1 valid, 2 invalid, 3 no longer valid

"hashRate": 0, // Real-time rate

"dayHashRate": 0, //24H Hashrate

"rejectRate": 0, //Real-time Rejection Rate

"lastShareTime": 1587712919000 // Last submission time

},

{

"workerId": "7893926126382807951",

"workerName": "AZDC1.1A10101",

"status": 2,

"hashRate": 29711247541680,

"dayHashRate": 12697781298013.66,

"rejectRate": 0,

"lastShareTime": 1587969727000

}

],

"totalNum": 18530, // Total amount

"pageSize": 20 // Rows per page

}

}

GET /sapi/v1/mining/worker/list

**Weight(IP):** 5

**Parameter:**

| **Name** | **Type** | **Mandatory** | **Description** | **For Example** |
| --- | --- | --- | --- | --- |
| algo | STRING | YES | Algorithm(sha256) | sha256 |
| userName | STRING | YES | Mining account | test |
| pageIndex | INTEGER | NO | Page number，default is first page，start from 1 |  |
| sort | INTEGER | NO | sort sequence(default=0)0 positive sequence，1 negative sequence |  |
| sortColumn | INTEGER | NO | Sort by( default 1):   1: miner name,   2: real-time computing power,   3: daily average computing power,   4: real-time rejection rate,   5: last submission time |  |
| workerStatus | INTEGER | NO | miners status(default=0), 0 all, 1 valid，2 invalid, 3 failure |  |
| recvWindow | LONG | NO |  |  |
| timestamp | LONG | YES |  |  |

## Earnings List(USER\_DATA)

**Response:**

{

"code": 0,

"msg": "",

"data": {

"accountProfits": [

{

"time": 1586188800000, // Mining date

"type": 31, // 0:Mining Wallet,5:Mining Address,7:Pool Savings,8:Transferred,31:Income Transfer ,32:Hashrate Resale-Mining Wallet 33:Hashrate Resale-Pool Savings

"hashTransfer": null, // Transferred Hashrate

"transferAmount": null, // Transferred Income

"dayHashRate": 129129903378244, // Daily Hashrate

"profitAmount": 8.6083060304, //Earnings Amount

"coinName":"BTC", // Coin Type

"status": 2 //Status：0:Unpaid， 1:Paying 2：Paid

},

{

"time": 1607529600000,

"coinName": "BTC",

"type": 0,

"dayHashRate": 9942053925926,

"profitAmount": 0.85426469,

"hashTransfer": 200000000000,

"transferAmount": 0.02180958,

"status": 2

},

{

"time": 1607443200000,

"coinName": "BTC",

"type": 31,

"dayHashRate": 200000000000,

"profitAmount": 0.02905916,

"hashTransfer": null,

"transferAmount": null,

"status": 2

}

],

"totalNum": 3, // Total Rows

"pageSize": 20 // Rows per page

}

}

GET /sapi/v1/mining/payment/list

**Weight(IP):** 5

**Parameter:**

| **Name** | **Type** | **Mandatory** | **Description** | **Example** |
| --- | --- | --- | --- | --- |
| algo | STRING | YES | Transfer algorithm(sha256) | sha256 |
| userName | STRING | YES | Mining account | test |
| coin | STRING | NO | Coin name |  |
| startDate | Long | NO | Search date, millisecond timestamp, while empty query all |  |
| endDate | Long | NO | Search date, millisecond timestamp, while empty query all |  |
| pageIndex | INTEGER | NO | Page number, empty default first page, starting from 1 |  |
| pageSize | INTEGER | NO | Number of pages, minimum 10, maximum 200 |  |
| recvWindow | LONG | NO |  |  |
| timestamp | LONG | YES |  |  |

## Extra Bonus List (USER\_DATA)

**Response:**

{

"code": 0,

"msg": "",

"data": {

"otherProfits": [

{

"time": 1607443200000, // Mining date

"coinName": "BTC", // Coin Name

"type": 4, // 1: Merged Mining， 2: Activity Bonus, 3:Rebate 4:Smart Pool 6:Income Transfer 7:Pool Savings

"profitAmount": 0.0011859, //Amount

"status": 2 //Status：0:Unpaid， 1:Paying 2：Paid

}

],

"totalNum": 3, // Total Rows

"pageSize": 20 // Rows per page

}

}

GET /sapi/v1/mining/payment/other

**Weight(IP):** 5

**Parameter:**

| **Name** | **Type** | **Mandatory** | **Description** | **Example** |
| --- | --- | --- | --- | --- |
| algo | STRING | YES | Transfer algorithm(sha256) | sha256 |
| userName | STRING | YES | Mining Account | test |
| coin | STRING | NO | Coin Name |  |
| startDate | Long | NO | Search date, millisecond timestamp, while empty query all |  |
| endDate | Long | NO | Search date, millisecond timestamp, while empty query all |  |
| pageIndex | INTEGER | NO | Page number, empty default first page, starting from 1 |  |
| pageSize | INTEGER | NO | Number of pages, minimum 10, maximum 200 |  |
| recvWindow | LONG | NO |  |  |
| timestamp | LONG | YES |  |  |

## Hashrate Resale List (USER\_DATA)

**Response:**

{

"code": 0,

"msg": "",

"data": {

"configDetails": [

{

"configId": 168, // Mining ID

"poolUsername": "123", //Transfer out of subaccount

"toPoolUsername": "user1", // Transfer into subaccount

"algoName": "Ethash", // Transfer algorithm

"hashRate": 5000000, // Transferred Hashrate quantity

"startDay": 20201210, // Start date

"endDay": 20210405, //End date

"status": 1 //Status：0 Processing，1：Cancelled，2：Terminated

},

{

"configId": 166,

"poolUsername": "pop",

"toPoolUsername": "111111",

"algoName": "Ethash",

"hashRate": 3320000,

"startDay": 20201226,

"endDay": 20201227,

"status": 0

}

],

"totalNum": 21,

"pageSize": 200

}

}

GET /sapi/v1/mining/hash-transfer/config/details/list

**Weight(IP):** 5

**Parameter:**

| **Name** | **Type** | **Mandatory** | **Description** | **Example** |
| --- | --- | --- | --- | --- |
| pageIndex | INTEGER | NO | Page number, empty default first page, starting from 1 |  |
| pageSize | INTEGER | NO | Number of pages, minimum 10, maximum 200 |  |
| recvWindow | LONG | NO |  |  |
| timestamp | LONG | YES |  |  |

## Hashrate Resale Detail (USER\_DATA)

**Response:**

{

"code": 0,

"msg": "",

"data": {

"profitTransferDetails": [{

"poolUsername": "test4001", // Transfer out of sub-account

"toPoolUsername": "pop", // Transfer into subaccount

"algoName": "sha256", // Transfer algorithm

"hashRate": 200000000000, // Transferred Hashrate quantity

"day": 20201213, // Transfer date

"amount": 0.2256872, // Transferred income

"coinName": "BTC" // Coin Name

},

{

"poolUsername": "test4001",

"toPoolUsername": "pop",

"algoName": "sha256",

"hashRate": 200000000000,

"day": 20201213,

"amount": 0.2256872,

"coinName": "BTC"

}

],

"totalNum": 8,

"pageSize": 200

}

}

GET /sapi/v1/mining/hash-transfer/profit/details

**Weight(IP):** 5

**Parameter:**

| **Name** | **Type** | **Mandatory** | **Description** | **Example** |
| --- | --- | --- | --- | --- |
| configId | INTEGER | YES | Mining ID | 168 |
| userName | STRING | YES | Mining Account | test |
| pageIndex | INTEGER | NO | Page number, empty default first page, starting from 1 |  |
| pageSize | INTEGER | NO | Number of pages, minimum 10, maximum 200 |  |
| recvWindow | LONG | NO |  |  |
| timestamp | LONG | YES |  |  |

## Hashrate Resale Request (USER\_DATA)

**Response:**

{

"code": 0,

"msg": "",

"data": 171 // Mining Account

}

POST /sapi/v1/mining/hash-transfer/config

**Weight(IP):** 5

**Parameter:**

| **Name** | **Type** | **Mandatory** | **Description** | **Example** |
| --- | --- | --- | --- | --- |
| userName | STRING | YES | Mining Account | test |
| algo | STRING | YES | Transfer algorithm(sha256) | sha256 |
| endDate | Long | YES | Resale End Time (Millisecond timestamp) | 1617659086000 |
| startDate | Long | YES | Resale Start Time(Millisecond timestamp) | 1607659086000 |
| toPoolUser | STRING | YES | Mining Account | S19pro |
| hashRate | Long | YES | Resale hashrate h/s must be transferred (BTC is greater than 500000000000 ETH is greater than 500000) | 100000000 |
| recvWindow | LONG | NO |  |  |
| timestamp | LONG | YES |  |  |

## Cancel hashrate resale configuration(USER\_DATA)

**Response:**

{

"code": 0,

"msg": "",

"data": true

}

POST /sapi/v1/mining/hash-transfer/config/cancel

**Weight(IP):** 5

**Parameter:**

| **Name** | **Type** | **Mandatory** | **Description** | **Example** |
| --- | --- | --- | --- | --- |
| configId | INTEGER | YES | Mining ID | 168 |
| userName | STRING | YES | Mining Account | test |
| recvWindow | LONG | NO |  |  |
| timestamp | LONG | YES |  |  |

## Statistic List (USER\_DATA)

**Response:**

{

"code": 0,

"msg": "",

"data": {

"fifteenMinHashRate": "457835490067496409.00000000", // 15 mins hashrate

"dayHashRate": "214289268068874127.65000000", // 24H Hashrate

"validNum": 0, // Effective quantity

"invalidNum": 17562, // Invalid quantity

"profitToday":{ // Today's estimate

"BTC":"0.00314332",

"BSV":"56.17055953",

"BCH":"106.61586001"

},

"profitYesterday":{ // Yesterday's earnings

"BTC":"0.00314332",

"BSV":"56.17055953",

"BCH":"106.61586001"

},

"userName": "test", // Mining account

"unit": "h/s", // Hashrate unit

"algo": "sha256" // Algorithm

}

}

GET /sapi/v1/mining/statistics/user/status

**Weight(IP):** 5

**Parameter:**

| **Name** | **Type** | **Mandatory** | **Description** | **For Example** |
| --- | --- | --- | --- | --- |
| algo | STRING | YES | Algorithm(sha256) | sha256 |
| userName | STRING | YES | Mining account | test |
| recvWindow | LONG | NO |  |  |
| timestamp | LONG | YES |  |  |

## Account List (USER\_DATA)

**Response:**

{

"code": 0,

"msg": "",

"data": [

{

"type": "H\_hashrate", //Type of hourly hashrate

"userName": "test", // Mining account

"list": [

{

"time": 1585267200000, // Time

"hashrate": "0.00000000", // Hashrate

"reject": "0.00000000" //Rejection Rate

},

{

"time": 1585353600000,

"hashrate": "0.00000000",

"reject": "0.00000000"

}

]

},

{

"type": "D\_hashrate", //Type of daily hashrate

"userName": "test", // Mining account

"list": [

{

"time": 1587906000000, // Time

"hashrate": "0.00000000", // Hashrate

"reject": "0.00000000" //Rejection Rate

},

{

"time": 1587909600000,

"hashrate": "0.00000000",

"reject": "0.00000000"

}

]

}

]

}

GET /sapi/v1/mining/statistics/user/list

**Weight(IP):** 5

**Parameter:**

| **Name** | **Type** | **Mandatory** | **Description** | **For Example** |
| --- | --- | --- | --- | --- |
| algo | STRING | YES | Algorithm(sha256) | sha256 |
| userName | STRING | YES | Mining account | test |
| recvWindow | LONG | NO |  |  |
| timestamp | LONG | YES |  |  |

## Mining Account Earning (USER\_DATA)

**Response:**

{

"code": 0,

"msg": "",

"data": {

"accountProfits": [

{

"time": 1607443200000,

"coinName": "BTC", // Coin

"type": 2, // 0:Referral 1：Refund 2：Rebate

"puid": 59985472, //Sub-account id

"subName": "vdvaghani", //Mining account

"amount": 0.09186957 //Amount

}

],

"totalNum": 3, // Total records

"pageSize": 20 // Size of one page

}

}

GET /sapi/v1/mining/payment/uid

**Weight(IP):** 5

**Parameter:**

| **Name** | **Type** | **Mandatory** | **Description** | **For Example** |
| --- | --- | --- | --- | --- |
| algo | STRING | YES | Algorithm(sha256) | sha256 |
| startDate | Long | NO | Millisecond timestamp |  |
| endDate | Long | NO | Millisecond timestamp |  |
| pageIndex | INTEGER | NO | Default 1 |  |
| pageSize | INTEGER | NO | Min 10,Max 200 |  |
| recvWindow | LONG | NO |  |  |
| timestamp | LONG | YES |  |  |

# Futures

## New Future Account Transfer (USER\_DATA)

**Response:**

{

"tranId": 100000001 //transaction id

}

POST /sapi/v1/futures/transfer

Execute transfer between spot account and futures account.

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| asset | STRING | YES | The asset being transferred, e.g., USDT |
| amount | DECIMAL | YES | The amount to be transferred |
| type | INT | YES | **1:** transfer from spot account to USDT-Ⓜ futures account.  **2:** transfer from USDT-Ⓜ futures account to spot account.   **3:** transfer from spot account to COIN-Ⓜ futures account.   **4:** transfer from COIN-Ⓜ futures account to spot account. |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* You need to open Enable Futures permission for the API Key which requests this endpoint.

## Get Future Account Transaction History List (USER\_DATA)

**Response:**

{

"rows": [

{

"asset": "USDT",

"tranId": 100000001,

"amount": "40.84624400",

"type": "1", // one of 1( from spot to USDT-Ⓜ), 2( from USDT-Ⓜ to spot), 3( from spot to COIN-Ⓜ), and 4( from COIN-Ⓜ to spot)

"timestamp": 1555056425000,

"status": "CONFIRMED" //one of PENDING (pending to execution), CONFIRMED (successfully transfered), FAILED (execution failed, nothing happened to your account);

}

],

"total": 1

}

GET /sapi/v1/futures/transfer

**Weight(IP):** 10

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| asset | STRING | NO |  |
| startTime | LONG | YES |  |
| endTime | LONG | NO |  |
| current | LONG | NO | Currently querying page. Start from 1. Default:1 |
| size | LONG | NO | Default:10 Max:100 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* Support query within the last 6 months only

## Get Future TickLevel Orderbook Historical Data Download Link (USER\_DATA)

**Response:**

{

"data": [

{

"day": "2023-06-30",

"url": "https://bin-prod-user-rebate-bucket.s3.ap-northeast-1.amazonaws.com/future-data-symbol-update/2023-06-30/BTCUSDT\_T\_DEPTH\_2023-06-30.tar.gz?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Date=20230925T025710Z&X-Amz-SignedHeaders=host&X-Amz-Expires=86399&X-Amz-Credential=AKIAVL364M5ZNFZ74IPP%2F20230925%2Fap-northeast-1%2Fs3%2Faws4\_request&X-Amz-Signature=5fffcb390d10f34d71615726f81f99e42d80a11532edeac77b858c51a88cbf59"

}

]

}

GET /sapi/v1/futures/histDataLink

**Weight(IP):** 200

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES | symbol name, e.g. BTCUSDT or BTCUSD\_PERP ｜ |
| dataType | ENUM | YES | T\_DEPTH for ticklevel orderbook data, S\_DEPTH for orderbook snapshot data |
| startTime | LONG | YES |  |
| endTime | LONG | YES |  |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* The span between startTime and endTime can't be more than 7 days
* The downloand link will be valid for 1 day
* Only VIP user can query this endpoint

# Futures Algo Endpoints

Binance Futures Execution Algorithm API solution aims to provide users ability to programmatically leverage Binance in-house algorithmic trading capability to automate order execution strategy, improve execution transparency and give users smart access to the available market liquidity.

FAQ: [Volume Participation(VP) Introduction](https://www.binance.com/en/support/faq/b0b94dcc8eb64c2585763b8747b60702)

FAQ: [Time-Weighted Average Price(Twap) Introduction](https://www.binance.com/en/support/faq/093927599fd54fd48857237f6ebec0b0)

## Volume Participation(VP) New Order (TRADE)

**Response:**

{

"clientAlgoId": "00358ce6a268403398bd34eaa36dffe7",

"success": true,

"code": 0,

"msg": "OK"

}

POST /sapi/v1/algo/futures/newOrderVp

Send in a VP new order. Only support on USDⓈ-M Contracts.

**Weight(UID):** 3000

**Noted:**

* You need to enable Futures Trading Permission for the api key which requests this endpoint.
* Base URL: https://api.binance.com

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES | Trading symbol eg. BTCUSDT |
| side | ENUM | YES | Trading side ( BUY or SELL ) |
| positionSide | ENUM | NO | Default BOTH for One-way Mode ; LONG or SHORT for Hedge Mode. It must be sent in Hedge Mode. |
| quantity | DECIMAL | YES | Quantity of base asset; The notional (quantity \* mark price(base asset)) must be more than the equivalent of 1,000 USDT and less than the equivalent of 1,000,000 USDT |
| urgency | ENUM | YES | Represent the relative speed of the current execution; ENUM: LOW, MEDIUM, HIGH |
| clientAlgoId | STRING | NO | A unique id among Algo orders (length should be 32 characters)， If it is not sent, we will give default value |
| reduceOnly | BOOLEAN | NO | "true" or "false". Default "false"; Cannot be sent in Hedge Mode; Cannot be sent when you open a position |
| limitPrice | DECIMAL | NO | Limit price of the order; If it is not sent, will place order by market price by default |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

Other Info:

* Maximum number of active Algo Strategies is 20
* Leverage of symbols and position mode will be the same as your futures account settings. You can set up through the trading page or fapi.
* Receiving "success": true does not mean that your order will be executed. Please use the query order endpoints（GET sapi/v1/algo/futures/openOrders or GET sapi/v1/algo/futures/historicalOrders） to check the order status. For example: Your futures balance is insufficient, or open position with reduce only or position side is inconsistent with your own setting. In these cases you will receive "success": true, but the order status will be expired after we check it.

## Time-Weighted Average Price(Twap) New Order (TRADE)

**Response:**

{

"clientAlgoId": "65ce1630101a480b85915d7e11fd5078",

"success": true,

"code": 0,

"msg": "OK"

}

POST /sapi/v1/algo/futures/newOrderTwap

Send in a Twap new order. Only support on USDⓈ-M Contracts.

**Weight(UID):** 3000

**Noted:**

* You need to enable Futures Trading Permission for the api key which requests this endpoint.
* Base URL: https://api.binance.com

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES | Trading symbol eg. BTCUSDT |
| side | ENUM | YES | Trading side ( BUY or SELL ) |
| positionSide | ENUM | NO | Default BOTH for One-way Mode ; LONG or SHORT for Hedge Mode. It must be sent in Hedge Mode. |
| quantity | DECIMAL | YES | Quantity of base asset; The notional (quantity \* mark price(base asset)) must be more than the equivalent of 1,000 USDT and less than the equivalent of 1,000,000 USDT |
| duration | LONG | YES | Duration for TWAP orders in seconds. [300, 86400] |
| clientAlgoId | STRING | NO | A unique id among Algo orders (length should be 32 characters)， If it is not sent, we will give default value |
| reduceOnly | BOOLEAN | NO | "true" or "false". Default "false"; Cannot be sent in Hedge Mode; Cannot be sent when you open a position |
| limitPrice | DECIMAL | NO | Limit price of the order; If it is not sent, will place order by market price by default |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

Other Info:

* Maximum number of active Algo Strategies is 20
* Leverage of symbols and position mode will be the same as your futures account settings. You can set up through the trading page or fapi.
* Receiving "success": true does not mean that your order will be executed. Please use the query order endpoints（GET sapi/v1/algo/futures/openOrders or GET sapi/v1/algo/futures/historicalOrders） to check the order status. For example: Your futures balance is insufficient, or open position with reduce only or position side is inconsistent with your own setting. In these cases you will receive "success": true, but the order status will be expired after we check it.
* quantity \* 60 / duration should be larger than minQty
* duration cannot be less than 5 mins or more than 24 hours.
* For delivery contracts, TWAP end time should be one hour earlier than the delivery time of the symbol.

## Cancel Algo Order (TRADE)

**Response:**

{

"algoId": 14511,

"success": true,

"code": 0,

"msg": "OK"

}

DELETE /sapi/v1/algo/futures/order

Cancel an active order.

**Weight(IP):** 1

**Noted:**

* You need to enable Futures Trading Permission for the api key which requests this endpoint.
* Base URL: https://api.binance.com

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| algoId | LONG | YES | eg. 14511 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Query Current Algo Open Orders (USER\_DATA)

**Response:**

{

"total": 1,

"orders": [

{

"algoId": 14517,

"symbol": "ETHUSDT",

"side": "SELL",

"positionSide": "SHORT",

"totalQty": "5.000",

"executedQty": "0.000",

"executedAmt": "0.00000000",

"avgPrice": "0.00",

"clientAlgoId": "d7096549481642f8a0bb69e9e2e31f2e",

"bookTime": 1649756817004,

"endTime": 0,

"algoStatus": "WORKING",

"algoType": "VP",

"urgency": "LOW"

}

]

}

GET /sapi/v1/algo/futures/openOrders

**Weight(IP):** 1

**Noted:**

* You need to enable Futures Trading Permission for the api key which requests this endpoint.
* Base URL: https://api.binance.com

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Query Historical Algo Orders (USER\_DATA)

**Response:**

{

"total": 1,

"orders": [

{

"algoId": 14518,

"symbol": "BNBUSDT",

"side": "BUY",

"positionSide": "BOTH",

"totalQty": "100.00",

"executedQty": "0.00",

"executedAmt": "0.00000000",

"avgPrice": "0.000",

"clientAlgoId": "acacab56b3c44bef9f6a8f8ebd2a8408",

"bookTime": 1649757019503,

"endTime": 1649757088101,

"algoStatus": "CANCELLED",

"algoType": "VP",

"urgency": "LOW"

}

]

}

GET /sapi/v1/algo/futures/historicalOrders

**Weight(IP):** 1

**Noted:**

* You need to enable Futures Trading Permission for the api key which requests this endpoint.
* Base URL: https://api.binance.com

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | NO | Trading symbol eg. BTCUSDT |
| side | ENUM | NO | BUY or SELL |
| startTime | LONG | NO | in milliseconds eg.1641522717552 |
| endTime | LONG | NO | in milliseconds eg.1641522526562 |
| page | INT | NO | Default is 1 |
| pageSize | INT | NO | MIN 1, MAX 100; Default 100 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Query Sub Orders (USER\_DATA)

**Response:**

{

"total": 1,

"executedQty": "1.000",

"executedAmt": "3229.44000000",

"subOrders": [

{

"algoId": 13723,

"orderId": 8389765519993908929,

"orderStatus": "FILLED",

"executedQty": "1.000",

"executedAmt": "3229.44000000",

"feeAmt": "-1.61471999",

"feeAsset": "USDT",

"bookTime": 1649319001964,

"avgPrice": "3229.44",

"side": "SELL",

"symbol": "ETHUSDT",

"subId": 1,

"timeInForce": "IMMEDIATE\_OR\_CANCEL",

"origQty": "1.000"

}

]

}

GET /sapi/v1/algo/futures/subOrders

Get respective sub orders for a specified algoId

**Weight(IP):** 1

**Noted:**

* You need to enable Futures Trading Permission for the api key which requests this endpoint.
* Base URL: https://api.binance.com

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| algoId | LONG | YES |  |
| page | INT | NO | Default is 1 |
| pageSize | INT | NO | MIN 1, MAX 100; Default 100 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

# Spot Algo Endpoints

Binance Spot Execution Algorithm API solution aims to provide users ability to programmatically leverage Binance in-house algorithmic trading capability to automate order execution strategy, improve execution transparency and give users smart access to the available market liquidity. During the introductory period, there will be no additional fees for TWAP orders. [Standard trading fees](https://www.binance.info/en/fee/schedule) apply. Order size exceeds to maximum API supported size (100,000 USDT). Please contact liquidity@binance.com for larger sizes.

## Time-Weighted Average Price (Twap) New Order (TRADE)

**Response:**

{

"clientAlgoId": "65ce1630101a480b85915d7e11fd5078",

"success": true,

"code": 0,

"msg": "OK"

}

POST /sapi/v1/algo/spot/newOrderTwap

Place a new spot TWAP order with Algo service.

**Weight(UID):** 3000

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | YES | Trading symbol eg. BTCUSDT |
| side | ENUM | YES | Trading side ( BUY or SELL ) |
| quantity | DECIMAL | YES | Quantity of base asset; The notional (quantity \* last price(base asset)) must be more than the equivalent of 1,000 USDT and less than the equivalent of 100,000 USDT |
| duration | LONG | YES | Duration for TWAP orders in seconds. [300, 86400] |
| clientAlgoId | STRING | NO | A unique id among Algo orders (length should be 32 characters)， If it is not sent, we will give default value |
| limitPrice | DECIMAL | NO | Limit price of the order; If it is not sent, will place order by market price by default |
| stpMode | ENUM | NO | The allowed enums is dependent on what is configured on the symbol. The possible supported values are EXPIRE\_TAKER, EXPIRE\_MAKER, EXPIRE\_BOTH, NONE |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

Other Info:

* Maximum number of active Algo Strategies is 20

## Cancel Algo Order (TRADE)

**Response:**

{

"algoId": 14511,

"success": true,

"code": 0,

"msg": "OK"

}

DELETE /sapi/v1/algo/spot/order

Cancel an open TWAP order

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| algoId | LONG | YES | eg. 14511 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Query Current Algo Open Orders (USER\_DATA)

**Response:**

{

"total": 1,

"orders": [

{

"algoId": 14517,

"symbol": "ETHUSDT",

"side": "SELL",

"totalQty": "5.000",

"executedQty": "0.000",

"executedAmt": "0.00000000",

"avgPrice": "0.00",

"clientAlgoId": "d7096549481642f8a0bb69e9e2e31f2e",

"bookTime": 1649756817004,

"endTime": 0,

"algoStatus": "WORKING",

"algoType": "TWAP",

"urgency": "LOW"

}

]

}

GET /sapi/v1/algo/spot/openOrders

**Weight(IP):** 1

Get all open SPOT TWAP orders

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Query Historical Algo Orders (USER\_DATA)

**Response:**

{

"total": 1,

"orders": [

{

"algoId": 14518,

"symbol": "BNBUSDT",

"side": "BUY",

"totalQty": "100.00",

"executedQty": "0.00",

"executedAmt": "0.00000000",

"avgPrice": "0.000",

"clientAlgoId": "acacab56b3c44bef9f6a8f8ebd2a8408",

"bookTime": 1649757019503,

"endTime": 1649757088101,

"algoStatus": "CANCELLED",

"algoType": "VP",

"urgency": "LOW"

}

]

}

GET /sapi/v1/algo/spot/historicalOrders

**Weight(IP):** 1

Get all historical SPOT TWAP orders

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| symbol | STRING | NO | Trading symbol eg. BTCUSDT |
| side | ENUM | NO | BUY or SELL |
| startTime | LONG | NO | in milliseconds eg.1641522717552 |
| endTime | LONG | NO | in milliseconds eg.1641522526562 |
| page | INT | NO | Default is 1 |
| pageSize | INT | NO | MIN 1, MAX 100; Default 100 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Query Sub Orders (USER\_DATA)

**Response:**

{

"total": 1,

"executedQty": "1.000",

"executedAmt": "3229.44000000",

"subOrders": [

{

"algoId": 13723,

"orderId": 8389765519993908929,

"orderStatus": "FILLED",

"executedQty": "1.000",

"executedAmt": "3229.44000000",

"feeAmt": "-1.61471999",

"feeAsset": "USDT",

"bookTime": 1649319001964,

"avgPrice": "3229.44",

"side": "SELL",

"symbol": "ETHUSDT",

"subId": 1,

"timeInForce": "IMMEDIATE\_OR\_CANCEL",

"origQty": "1.000"

}

]

}

GET /sapi/v1/algo/spot/subOrders

Get respective sub orders for a specified algoId

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| algoId | LONG | YES |  |
| page | INT | NO | Default is 1 |
| pageSize | INT | NO | MIN 1, MAX 100; Default 100 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

# Portfolio Margin Pro Endpoints

The Binance Portfolio Margin Pro Program is a cross-asset margin program supporting consolidated margin balance across trading products with over 200+ effective crypto collaterals. It is designed for professional traders, market makers, and institutional users looking to actively trade & hedge cross-asset and optimize risk-management in a consolidated setup.

FAQ: [Portfolio Margin Pro Program](https://www.binance.com/en/support/faq/5054378212d240cca17ecd6006c11f23)

Only Portfolio Margin Pro Account is accessible to these endpoints. To enroll, kindly refer to: [How to Enroll into the Binance Portfolio Margin Program](https://www.binance.com/en/support/faq/a7834b9bc03140728583a90bcb469144)

## Get Portfolio Margin Pro Account Info (USER\_DATA)

**Response:**

{

"uniMMR": "5167.92171923", // Portfolio Margin Pro account maintenance margin rate

"accountEquity": "122607.35137903", // Account equity, unit：USD

"actualEquity": "142607.35137903", // Actual equity, unit：USD

"accountMaintMargin": "23.72469206", // Portfolio Margin Pro account maintenance margin, unit：USD

"accountStatus": "NORMAL", // Portfolio Margin Pro account status:"NORMAL", "MARGIN\_CALL", "SUPPLY\_MARGIN", "REDUCE\_ONLY", "ACTIVE\_LIQUIDATION", "FORCE\_LIQUIDATION", "BANKRUPTED"

"accountType": "PM\_1" //PM\_1 for PM Pro, PM\_2 for PM ，PM\_3 for PM Pro(SPAN)

}

GET /sapi/v1/portfolio/account

**Weight(IP):** 5

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Portfolio Margin Pro Collateral Rate (MARKET\_DATA)

**Response:**

[

{

"asset": "USDC",

"collateralRate": "1.0000"

},

{

"asset": "BUSD",

"collateralRate": "1.0000"

},

]

GET /sapi/v1/portfolio/collateralRate

Portfolio Margin Pro Collateral Rate

**Weight(IP):** 50

**Parameters:** None

## Query Portfolio Margin Pro Bankruptcy Loan Amount (USER\_DATA)

**Response:**

{

"asset": "BUSD",

"amount": "579.45", // portfolio margin bankruptcy loan amount in BUSD

}

GET /sapi/v1/portfolio/pmLoan

Query Portfolio Margin Pro Bankruptcy Loan Amount

**Weight(UID):** 500

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* If there’s no Portfolio Margin Pro bankruptcy loan, the amount would be 0

## Portfolio Margin Pro Bankruptcy Loan Repay

**Response:**

{

"tranId": 58203331886213504

}

POST /sapi/v1/portfolio/repay

Repay Portfolio Margin Pro Bankruptcy Loan

**Weight(UID):** 3000

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| from | STRING | NO | SPOT or MARGIN，default SPOT |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Query Portfolio Margin Pro Negative Balance Interest History(USER\_DATA)

**Response:**

[

{

"asset": "USDT",

"interest": "24.4440", //interest amount

"interestAccruedTime": 1670227200000,

"interestRate": "0.0001164", //daily interest rate

"principal": "210000"

}

]

GET /sapi/v1/portfolio/interest-history

Query interest history of negative balance for portfolio margin.

**Weight(IP):** 50

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| asset | STRING | NO |  |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| size | LONG | NO | Default:10 Max:100 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Query Portfolio Margin Asset Index Price (MARKET\_DATA)

**Response:**

[

{

"asset": "BTC",

"assetIndexPrice": "28251.9136906", // in USD

"time": 1683518338121

}

]

GET /sapi/v1/portfolio/asset-index-price

Query Portfolio Margin Asset Index Price

**Weight(IP):**

**1** if send asset or **50** if not send asset

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| asset | STRING | NO |  |

## Fund Auto-collection (USER\_DATA)

**Response:**

{

"msg": "success"

}

POST /sapi/v1/portfolio/auto-collection

Transfers all assets from Futures Account to Margin account

**Weight(IP):**

1500

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* The BNB would not be collected from UM-PM account to the Portfolio Margin account.
* You can only use this function 500 times per hour in a rolling manner.

## Fund Collection by Asset(USER\_DATA)

**Response:**

{

"msg": "success"

}

POST /sapi/v1/portfolio/asset-collection

Transfers specific asset from Futures Account to Margin account

**Weight(IP):**

60

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| asset | STRING | YES |  |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* The BNB transfer is not be supported

## BNB transfer(USER\_DATA)

**Response:**

{

"tranId": 100000001

}

POST /sapi/v1/portfolio/bnb-transfer

BNB transfer can be between Margin Account and USDM Account

**Weight(IP):**

1500

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| amount | DECIMAL | YES |  |
| transferSide | STRING | YES | "TO\_UM","FROM\_UM" |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* You can only use this function 2 times per 10 minutes in a rolling manner

## Change Auto-repay-futures Status (TRADE)

**Response:**

{

"msg": "success"

}

POST /sapi/v1/portfolio/repay-futures-switch

Change Auto-repay-futures Status

**Weight(IP):**

1500

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| autoRepay | STRING | YES | Default: true; false for turn off the auto-repay futures negative balance function |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Get Auto-repay-futures Status (USER\_DATA)

**Response:**

{

"autoRepay": true // "true" for turn on the auto-repay futures; "false" for turn off the auto-repay futures

}

GET /sapi/v1/portfolio/repay-futures-switch

Query Auto-repay-futures Status

**Weight(IP):**

30

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Repay futures Negative Balance (USER\_DATA)

**Response:**

{

"msg": "success"

}

POST /sapi/v1/portfolio/repay-futures-negative-balance

Repay futures Negative Balance

**Weight(IP):**

1500

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Get Portfolio Margin Asset Leverage (USER\_DATA)

**Response:**

[

{

"asset": "USDC",

"leverage": 10

},

{

"asset": "USDT",

"leverage": 10

}

]

GET /sapi/v1/portfolio/margin-asset-leverage

**Weight(IP):**

50

# Fiat Endpoints

## Get Fiat Deposit/Withdraw History (USER\_DATA)

**Response:**

{

"code": "000000",

"message": "success",

"data": [

{

"orderNo":"7d76d611-0568-4f43-afb6-24cac7767365",

"fiatCurrency": "BRL",

"indicatedAmount": "10.00",

"amount": "10.00",

"totalFee": "0.00", // Trade fee

"method": "BankAccount", // Trade method

"status": "Expired", // Processing, Failed, Successful, Finished, Refunding, Refunded, Refund Failed, Order Partial credit Stopped

"createTime": 1626144956000,

"updateTime": 1626400907000

}

],

"total": 1,

"success": true

}

GET /sapi/v1/fiat/orders

**Weight(UID):** 90000

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| transactionType | STRING | YES | 0-deposit,1-withdraw |
| beginTime | LONG | NO |  |
| endTime | LONG | NO |  |
| page | INT | NO | default 1 |
| rows | INT | NO | default 100, max 500 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* If beginTime and endTime are not sent, the recent 30-day data will be returned.

## Get Fiat Payments History (USER\_DATA)

**Response:**

{

"code": "000000",

"message": "success",

"data": [

{

"orderNo": "353fca443f06466db0c4dc89f94f027a",

"sourceAmount": "20.0", // Fiat trade amount

"fiatCurrency": "EUR", // Fiat token

"obtainAmount": "4.462", // Crypto trade amount

"cryptoCurrency": "LUNA", // Crypto token

"totalFee": "0.2", // Trade fee

"price": "4.437472",

"status": "Failed", // Processing, Completed, Failed, Refunded

"paymentMethod": "Credit Card",

"createTime": 1624529919000,

"updateTime": 1624529919000

}

],

"total": 1,

"success": true

}

GET /sapi/v1/fiat/payments

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| transactionType | STRING | YES | 0-buy,1-sell |
| beginTime | LONG | NO |  |
| endTime | LONG | NO |  |
| page | INT | NO | default 1 |
| rows | INT | NO | default 100, max 500 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* If beginTime and endTime are not sent, the recent 30-day data will be returned.
* paymentMethod: Only when requesting payments history for buy (transactionType=0), response contains paymentMethod representing the way of purchase. Now we have:
  + Cash Balance
  + Credit Card
  + Online Banking
  + Bank Transfer

# C2C Endpoints

## Get C2C Trade History (USER\_DATA)

**Response:**

{

"code": "000000",

"message": "success",

"data": [

{

"orderNumber":"20219644646554779648",

"advNo": "11218246497340923904",

"tradeType": "SELL",

"asset": "BUSD",

"fiat": "CNY",

"fiatSymbol": "￥",

"amount": "5000.00000000", // Quantity (in Crypto)

"totalPrice": "33400.00000000",

"unitPrice": "6.68", // Unit Price (in Fiat)

"orderStatus": "COMPLETED", // PENDING, TRADING, BUYER\_PAYED, DISTRIBUTING, COMPLETED, IN\_APPEAL, CANCELLED, CANCELLED\_BY\_SYSTEM

"createTime": 1619361369000,

"commission": "0", // Transaction Fee (in Crypto)

"counterPartNickName": "ab\*\*\*",

"advertisementRole": "TAKER"

}

],

"total": 1,

"success": true

}

GET /sapi/v1/c2c/orderMatch/listUserOrderHistory

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| tradeType | STRING | YES | BUY, SELL |
| startTimestamp | LONG | NO |  |
| endTimestamp | LONG | NO |  |
| page | INT | NO | default 1 |
| rows | INT | NO | default 100, max 100 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* If startTimestamp and endTimestamp are not sent, the recent 30-day data will be returned.
* The max interval between startTimestamp and endTimestamp is 30 days.
* Only the last 6 months of data can be retrieved. To view the complete P2P order history, you can download it from https://c2c.binance.com/en/fiatOrder

# VIP Loans Endpoints

## Get VIP Loan Ongoing Orders (USER\_DATA)

**Response:**

{

"rows": [

{

"orderId": 100000001,

"loanCoin": "BUSD",

"totalDebt": "10000",

"loanRate": "0.0123", // "flexible rate" for flexible rate loan

"residualInterest": "10.27687923",

"collateralAccountId": "12345678,23456789",

"collateralCoin": "BNB,BTC,ETH",

"totalCollateralValueAfterHaircut": "25000.27565492",

"lockedCollateralValue": "25000.27565492",

"currentLTV": "0.57",

"expirationTime": 1575018510000,

"loanDate": "1676851200000",

"loanTerm": "30days", // "open term" for open term loan

"expirationTime": 1575018510000 or 0, // 0 means open term

"initialLtv": "72%",

"marginCallLtv": "77%",

"liquidationLtv": "91%"

}

],

"total": 1

}

GET /sapi/v1/loan/vip/ongoing/orders

VIP loan is available for VIP users only.

**Weight(IP):** 400

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| orderId | LONG | NO |  |
| collateralAccountId | LONG | NO |  |
| loanCoin | STRING | NO |  |
| collateralCoin | STRING | NO |  |
| current | LONG | NO | Currently querying page. Start from 1, Default:1, Max: 1000. |
| limit | LONG | NO | Default: 10, Max: 100 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## VIP Loan Repay (TRADE)

**Response:**

{

"loanCoin": "BUSD",

"repayAmount": "200.5",

"remainingPrincipal": "100.5",

"remainingInterest": "0",

"collateralCoin": "BNB,BTC,ETH",

"currentLTV": "0.25",

"repayStatus": "Repaid" // Repaid, Repaying, Failed

}

POST /sapi/v1/loan/vip/repay

VIP loan is available for VIP users only.

**Weight(UID):** 6000

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| orderId | LONG | YES |  |
| amount | DECIMAL | YES |  |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Get VIP Loan Repayment History (USER\_DATA)

**Response:**

{

"rows": [

{

"loanCoin": "BUSD",

"repayAmount": "10000",

"collateralCoin": "BNB,BTC,ETH",

"repayStatus": "Repaid", // Repaid, Repaying, Failed

"loanDate": "1676851200000",

"repayTime": "1575018510000",

"orderId": "756783308056935434"

}

],

"total": 1

}

GET /sapi/v1/loan/vip/repay/history

VIP loan is available for VIP users only.

**Weight(IP):** 400

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| orderId | LONG | NO |  |
| loanCoin | STRING | NO |  |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| current | LONG | NO | Currently querying page. Start from 1, Default:1, Max: 1000 |
| limit | LONG | NO | Default: 10, Max: 100 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* If startTime and endTime are not sent, the recent 90-day data will be returned
* The max interval between startTime and end Time is 180 days.

## VIP Loan Renew (TRADE)

**Response:**

{

"loanAccountId": "12345678", //loan receiving account

"loanCoin": "BTC",

"loanAmount": "100.55",

"collateralAccountId": "12345677,12345678,12345679",

"collateralCoin": "BUSD,USDT,ETH",

"loanTerm": "30",

}

POST /sapi/v1/loan/vip/renew

VIP loan is available for VIP users only.

**Weight(UID):** 6000

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| orderId | LONG | YES |  |
| loanTerm | INT | NO | 30/60 days |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Check Locked Value of VIP Collateral Account (USER\_DATA)

**Response:**

{

"rows": [

{

"collateralAccountId": "12345678",

"collateralCoin": "BNB,BTC,ETH",

}

],

[

{

"collateralAccountId": "23456789",

"collateralCoin": "BNB,BTC,ETH",

}

],

"total": 2

}

GET /sapi/v1/loan/vip/collateral/account

VIP loan is available for VIP users only.

**Weight(IP):** 6000

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| orderId | LONG | NO |  |
| collateralAccountId | LONG | NO |  |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* If the login account is loan account, all collateral accounts under the loan account can be queried.
* If the login account is collateral account, only the current collateral account can be queried.

## VIP Loan Borrow (TRADE)

**Response:**

{

"loanAccountId": "12345678", //loan receiving account

"requestId": "12345678",

"loanCoin": "BTC",

"isFlexibleRate": "No",

"loanAmount": "100.55",

"collateralAccountId": "12345678,12345678,12345678",

"collateralCoin": "BUSD,USDT,ETH",

"loanTerm": "30"

}

or

{

"loanAccountId": "12345678", //loan receiving account

"requestId": "12345678",

"loanCoin": "BTC",

"isFlexibleRate": "Yes",

"loanAmount": "100.55",

"collateralAccountId": "12345678,12345678,12345678",

"collateralCoin": "BUSD,USDT,ETH"

}

POST /sapi/v1/loan/vip/borrow

VIP loan is available for VIP users only.

**Weight(UID):** 6000

**Request Limit:** 1 time/2 seconds per UID

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| loanAccountId | LONG | YES |  |
| loanCoin | STRING | YES |  |
| loanAmount | DECIMAL | YES |  |
| collateralAccountId | STRING | YES | Multiple split by , |
| collateralCoin | STRING | YES | Multiple split by , |
| isFlexibleRate | BOOLEAN | YES | Default: TRUE. TRUE : flexible rate; FALSE: fixed rate |
| loanTerm | INT | NO | Mandatory for fixed rate. Optional for fixed interest rate. Eg: 30/60 days |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* loanAccountId refer to loan receiving account
* Only master account applications are supported
* loanAccountId and collateralAccountId under same master account
* loanTerm is mandatory if user choose stable rate

## Get Loanable Assets Data (USER\_DATA)

**Response:**

{

"rows": [

{

"loanCoin": "BUSD",

"\_flexibleHourlyInterestRate": "0.000103",

"\_flexibleYearlyInterestRate": "0.548595",

"\_30dDailyInterestRate": "0.000136",

"\_30dYearlyInterestRate": "0.03450",

"\_60dDailyInterestRate": "0.000145",

"\_60dYearlyInterestRate": "0.04103",

"minLimit": "100"

"maxLimit": "1000000"

"vipLevel": 1

}

],

"total": 1

}

GET /sapi/v1/loan/vip/loanable/data

Get interest rate and borrow limit of loanable assets. The borrow limit is shown in USD value.

**Weight(IP):** 400

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| loanCoin | STRING | NO |  |
| vipLevel | INT | NO | default:user's vip level |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Get Collateral Asset Data (USER\_DATA)

**Response:**

{

"rows": [

{

"collateralCoin": "BUSD",

"\_1stCollateralRatio": "100%",

"\_1stCollateralRange": "1-10000000",

"\_2ndCollateralRatio": "80%",

"\_2ndCollateralRange": "10000000-100000000",

"\_3rdCollateralRatio": "60%",

"\_3rdCollateralRange": "100000000-1000000000",

"\_4thCollateralRatio": "0%",

"\_4thCollateralRange": ">10000000000",

}

],

"total": 1

}

GET /sapi/v1/loan/vip/collateral/data

Get Collateral Asset Data

**Weight(IP):** 400

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| collateralCoin | STRING | NO |  |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Query Application Status (USER\_DATA)

**Response:**

{

"rows": [

{

"loanAccountId": "12345678", //loan receiving account

"orderId": "12345678",

"requestId": "12345678",

"loanCoin": "BTC",

"loanAmount": "100.55",

"collateralAccountId": "12345678,12345678,12345678",

"collateralCoin": "BUSD,USDT,ETH",

"loanTerm": "30",

"status": "Repaid", // Accruing\_Interest, Overdue, Liquidating, Repaying, Repaid, Liquidated, Pending, Failed

"loanDate":"1676851200000"

}

],

"total": 1

}

GET /sapi/v1/loan/vip/request/data

**Weight(UID):** 400

**Request Limit:** 1 time/second per UID

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| current | LONG | NO | Currently querying page. Start from 1, Default:1, Max: 1000 |
| limit | LONG | NO | Default: 10, Max: 100 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Get Borrow Interest Rate (USER\_DATA)

**Response:**

[

{

"asset": "BUSD",

"flexibleDailyInterestRate": "0.001503",

"flexibleYearlyInterestRate": "0.548595",

"time": 1577233578000

},

{

"asset": "BTC",

"flexibleDailyInterestRate": "0.001503",

"flexibleYearlyInterestRate": "0.548595",

"time": 1577233562000

}

]

GET /sapi/v1/loan/vip/request/interestRate

**Weight(UID):** 400

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| loanCoin | STRING | YES | Max 10 assets, Multiple split by "," |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

# Crypto Loans Endpoints

## Get Crypto Loans Income History (USER\_DATA)

**Response:**

[

{

"asset": "BUSD",

"type": "borrowIn",

"amount": "100",

"timestamp": 1633771139847,

"tranId": "80423589583"

},

{

"asset": "BUSD",

"type": "borrowIn",

"amount": "100",

"timestamp": 1634638371496,

"tranId": "81685123491"

}

]

GET /sapi/v1/loan/income

**Weight(UID):** 6000

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| asset | STRING | NO |  |
| type | STRING | NO | All types will be returned by default. Enum：borrowIn ,collateralSpent, repayAmount, collateralReturn(Collateral return after repayment), addCollateral, removeCollateral, collateralReturnAfterLiquidation |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| limit | INT | NO | default 20, max 100 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* If startTime and endTime are not sent, the recent 7-day data will be returned.
* The max interval between startTime and endTime is 30 days.

## Borrow - Crypto Loan Borrow (TRADE)

**Response:**

{

"loanCoin": "BUSD",

"loanAmount": "100.5",

"collateralCoin": "BNB",

"collateralAmount": "50.5",

"hourlyInterestRate": "0.001234",

"orderId": "100000001"

}

POST /sapi/v1/loan/borrow

**Weight(UID):** 36000

**Request Limit:** 1 time/second per UID

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| loanCoin | STRING | YES |  |
| loanAmount | DECIMAL | NO | Mandatory when collateralAmount is empty |
| collateralCoin | STRING | YES |  |
| collateralAmount | DECIMAL | NO | Mandatory when loanAmount is empty |
| loanTerm | INT | YES | 7/30 days |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Borrow - Get Loan Borrow History (USER\_DATA)

**Response:**

{

"rows": [

{

"orderId": 100000001,

"loanCoin": "BUSD",

"initialLoanAmount": "10000",

"hourlyInterestRate": "0.000057"

"loanTerm": "7"

"collateralCoin": "BNB",

"initialCollateralAmount": "49.27565492"

"borrowTime": 1575018510000

"status": "Repaid" // Accruing\_Interest, Overdue, Liquidating, Repaying, Repaid, Liquidated, Pending, Failed

}

],

"total": 1

}

GET /sapi/v1/loan/borrow/history

**Weight(IP):** 400

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| orderId | LONG | NO | orderId in POST /sapi/v1/loan/borrow |
| loanCoin | STRING | NO |  |
| collateralCoin | STRING | NO |  |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| current | LONG | NO | Current querying page. Start from 1; default: 1; max: 1000. |
| limit | LONG | NO | Default: 10; max: 100. |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* If startTime and endTime are not sent, the recent 90-day data will be returned.
* The max interval between startTime and endTime is 180 days.

## Borrow - Get Loan Ongoing Orders (USER\_DATA)

**Response:**

{

"rows": [

{

"orderId": 100000001,

"loanCoin": "BUSD",

"totalDebt": "10000",

"residualInterest":"10.27687923"

"collateralCoin": "BNB",

"collateralAmount": "49.27565492"

"currentLTV": "0.57"

"expirationTime": 1575018510000

}

],

"total": 1

}

GET /sapi/v1/loan/ongoing/orders

**Weight(IP):** 300

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| orderId | LONG | NO | orderId in POST /sapi/v1/loan/borrow |
| loanCoin | STRING | NO |  |
| collateralCoin | STRING | NO |  |
| current | LONG | NO | Current querying page. Start from 1; default: 1; max: 1000 |
| limit | LONG | NO | Default: 10; max: 100 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Repay - Crypto Loan Repay (TRADE)

**Response:**

{

"loanCoin": "BUSD"

"remainingPrincipal": "100.5"

"remainingInterest": "0"

"collateralCoin": "BNB"

"remainingCollateral": "5.253"

"currentLTV": "0.25"

"repayStatus": "Repaid" // Repaid, Repaying

}

or

{

"loanCoin": "BUSD"

"collateralCoin": "BNB"

"repayStatus": "Repaying" // Repaid, Repaying

}

POST /sapi/v1/loan/repay

**Weight(UID):** 6000

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| orderId | LONG | YES |  |
| amount | DECIMAL | YES |  |
| type | INT | NO | Default: 1. 1 for "repay with borrowed coin"; 2 for "repay with collateral". |
| collateralReturn | BOOLEAN | NO | Default: TRUE. TRUE: Return extra collateral to spot account; FALSE: Keep extra collateral in the order. |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Repay - Get Loan Repayment History (USER\_DATA)

**Response:**

{

"rows": [

{

"loanCoin": "BUSD",

"repayAmount": "10000",

"collateralCoin": "BNB",

"collateralUsed": "0"

"collateralReturn": "49.27565492"

"repayType": "1" // 1 for "repay with borrowed coin", 2 for "repay with collateral"

"repayStatus": "Repaid" // Repaid, Repaying, Failed

"repayTime": 1575018510000

"orderId": 756783308056935434

}

],

"total": 1

}

GET /sapi/v1/loan/repay/history

**Weight(IP):** 400

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| orderId | LONG | NO |  |
| loanCoin | STRING | NO |  |
| collateralCoin | STRING | NO |  |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| current | LONG | NO | Current querying page. Start from 1; default: 1; max: 1000 |
| limit | LONG | NO | Default: 10; max: 100 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* If startTime and endTime are not sent, the recent 90-day data will be returned.
* The max interval between startTime and endTime is 180 days.

## Adjust LTV - Crypto Loan Adjust LTV (TRADE)

**Response:**

{

"loanCoin": "BUSD",

"collateralCoin": "BNB",

"direction": "ADDITIONAL",

"amount": "5.235",

"currentLTV": "0.52"

}

POST /sapi/v1/loan/adjust/ltv

**Weight(UID):** 6000

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| orderId | LONG | YES |  |
| amount | DECIMAL | YES |  |
| direction | ENUM | YES | "ADDITIONAL", "REDUCED" |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Adjust LTV - Get Loan LTV Adjustment History (USER\_DATA)

**Response:**

{

"rows": [

{

"loanCoin": "BUSD",

"collateralCoin": "BNB",

"direction": "ADDITIONAL",

"amount": "5.235",

"preLTV": "0.78",

"afterLTV": "0.56",

"adjustTime": 1575018510000,

"orderId": 756783308056935434

}

],

"total": 1

}

GET /sapi/v1/loan/ltv/adjustment/history

**Weight(IP):** 400

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| orderId | LONG | NO |  |
| loanCoin | STRING | NO |  |
| collateralCoin | STRING | NO |  |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| current | LONG | NO | Current querying page. Start from 1; default: 1; max: 1000 |
| limit | LONG | NO | Default: 10; max: 100 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* If startTime and endTime are not sent, the recent 90-day data will be returned.
* The max interval between startTime and endTime is 180 days.

## Get Loanable Assets Data (USER\_DATA)

**Response:**

{

"rows": [

{

"loanCoin": "BUSD",

"\_7dHourlyInterestRate": "0.00000491",

"\_7dDailyInterestRate": "0.000118",

"\_14dHourlyInterestRate": "0.00000491",

"\_14dDailyInterestRate": "0.000118",

"\_30dHourlyInterestRate": "0.00000567",

"\_30dDailyInterestRate": "0.000136",

"\_90dHourlyInterestRate": "0.00000596",

"\_90dDailyInterestRate": "0.000143",

"\_180dHourlyInterestRate": "0.00000631",

"\_180dDailyInterestRate": "0.000151",

"minLimit": "100"

"maxLimit": "1000000"

"vipLevel": 1

}

],

"total": 1

}

GET /sapi/v1/loan/loanable/data

Get interest rate and borrow limit of loanable assets. The borrow limit is shown in USD value.

**Weight(IP):** 400

**Request Limit:** 1 time/2 seconds per UID

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| loanCoin | STRING | NO |  |
| vipLevel | INT | NO | Default: user's vip level. Send "-1" to check specified configuration |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Get Collateral Assets Data (USER\_DATA)

**Response:**

{

"rows": [

{

"collateralCoin": "BNB",

"initialLTV": "0.65",

"marginCallLTV": "0.75",

"liquidationLTV": "0.83",

"maxLimit": "1000000"

"vipLevel": 1

}

],

"total": 1

}

GET /sapi/v1/loan/collateral/data

Get LTV information and collateral limit of collateral assets. The collateral limit is shown in USD value.

**Weight(IP):** 400

**Request Limit:** 1 time/2 seconds per UID

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| collateralCoin | STRING | NO |  |
| vipLevel | INT | NO | Default: user's vip level. Send "-1" to check specified configuration |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Check Collateral Repay Rate (USER\_DATA)

**Response:**

{

"loanlCoin": "BUSD",

"collateralCoin": "BNB",

"repayAmount": "1000",

"rate": "300.36781234" // rate of collateral coin/loan coin

}

GET /sapi/v1/loan/repay/collateral/rate

Get the the rate of collateral coin / loan coin when using collateral repay, the rate will be valid within 8 second.

**Weight(IP):** 6000

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| loanCoin | STRING | YES |  |
| collateralCoin | STRING | YES |  |
| repayAmount | DECIMAL | YES | repay amount of loanCoin |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Crypto Loan Customize Margin Call (TRADE)

**Response:**

{

"rows": [

{

"orderId": "100000001"

"collateralCoin": "BNB"

"preMarginCall": "0.8"

"afterMarginCall": "0.7"

"customizeTime": 1575018510000

}

],

"total": 1

}

POST /sapi/v1/loan/customize/margin\_call

Customize margin call for ongoing orders only.

**Weight(UID):** 6000

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| orderId | LONG | NO | Mandatory when collateralCoin is empty. Send either orderId or collateralCoin, if both parameters are sent, take orderId only. |
| collateralCoin | STRING | NO | Mandatory when orderID is empty. Send either orderId or collateralCoin, if both parameters are sent, take orderId only. |
| marginCall | DECIMAL | YES |  |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Borrow - Flexible Loan Borrow (TRADE)

**Response:**

{

"loanCoin": "BUSD",

"loanAmount": "100.5",

"collateralCoin": "BNB",

"collateralAmount": "50.5",

"status": "Succeeds" //Succeeds, Failed, Processing

}

POST /sapi/v1/loan/flexible/borrow (deprecated)

Please switch to:

POST /sapi/v2/loan/flexible/borrow

**Weight(UID):** 6000

**Request Limit:** 1 time/2 seconds per UID

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| loanCoin | STRING | YES |  |
| loanAmount | DECIMAL | NO | Mandatory when collateralAmount is empty |
| collateralCoin | STRING | YES |  |
| collateralAmount | DECIMAL | NO | Mandatory when loanAmount is empty |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* Only available for master account

## Borrow - Get Flexible Loan Ongoing Orders (USER\_DATA)

**Response:**

{

"rows": [

{

"loanCoin": "BUSD",

"totalDebt": "10000",

"collateralCoin": "BNB",

"collateralAmount": "49.27565492",

"currentLTV": "0.57"

}

],

"total": 1

}

GET /sapi/v1/loan/flexible/ongoing/orders (To be deprecated)

Please switch to:

GET /sapi/v2/loan/flexible/ongoing/orders

**Weight(IP):** 300

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| loanCoin | STRING | NO |  |
| collateralCoin | STRING | NO |  |
| current | LONG | NO | Current querying page. Start from 1; default: 1; max: 1000 |
| limit | LONG | NO | Default: 10; max: 100 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Borrow - Get Flexible Loan Borrow History (USER\_DATA)

**Response:**

{

"rows": [

{

"loanCoin": "BUSD",

"initialLoanAmount": "10000",

"collateralCoin": "BNB",

"initialCollateralAmount": "49.27565492",

"borrowTime": 1575018510000,

"status": "Succeeds" //Succeeds, Failed, Processing

}

],

"total": 1

}

GET /sapi/v1/loan/flexible/borrow/history (To be deprecated)

Please switch to:

GET /sapi/v2/loan/flexible/borrow/history ``

**Weight(IP):** 400

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| loanCoin | STRING | NO |  |
| collateralCoin | STRING | NO |  |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| current | LONG | NO | Current querying page. Start from 1; default: 1; max: 1000 |
| limit | LONG | NO | Default: 10; max: 100 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* If startTime and endTime are not sent, the recent 90-day data will be returned.
* The max interval between startTime and endTime is 180 days.

## Repay - Flexible Loan Repay (TRADE)

**Response:**

{

"loanCoin": "BUSD",

"collateralCoin": "BNB",

"remainingDebt": "100.5",

"remainingCollateral": "5.253",

"fullRepayment": false,

"currentLTV": "0.25",

"repayStatus": "Repaid" // Repaid, Repaying, Failed

}

POST /sapi/v1/loan/flexible/repay (To be deprecated)

Please switch to:

POST /sapi/v2/loan/flexible/repay

**Weight(UID)**: 6000

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| loanCoin | STRING | YES |  |
| collateralCoin | DECIMAL | YES |  |
| repayAmount | DECIMAL | YES |  |
| collateralReturn | BOOLEAN | NO | Default: TRUE. TRUE: Return extra collateral to earn account; FALSE: Keep extra collateral in the order, and lower LTV. |
| fullRepayment | BOOLEAN | NO | Default: FALSE. TRUE: Full repayment; FALSE: Partial repayment, based on loanAmount |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* repayAmount is mandatory even fullRepayment = FALSE

## Repay - Get Flexible Loan Repayment History (USER\_DATA)

**Response:**

{

"rows": [

{

"loanCoin": "BUSD",

"repayAmount": "10000",

"collateralCoin": "BNB",

"collateralReturn": "49.27565492",

"repayStatus": "Repaid", // Repaid, Repaying, Failed

"repayTime": 1575018510000

}

],

"total": 1

}

GET /sapi/v1/loan/flexible/repay/history (To be (To be deprecated))

Please switch to:

GET /sapi/v2/loan/flexible/repay/history

**Weight(IP):** 400

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| loanCoin | STRING | NO |  |
| collateralCoin | STRING | NO |  |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| current | LONG | NO | Current querying page. Start from 1; default: 1; max: 1000 |
| limit | LONG | NO | Default: 10; max: 100 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* If startTime and endTime are not sent, the recent 90-day data will be returned.
* The max interval between startTime and endTime is 180 days.

## Adjust LTV - Flexible Loan Adjust LTV (TRADE)

**Response:**

{

"loanCoin": "BUSD",

"collateralCoin": "BNB",

"direction": "ADDITIONAL",

"adjustmentAmount": "5.235",

"currentLTV": "0.52"

}

POST /sapi/v1/loan/flexible/adjust/ltv (To be deprecated)

Please switch to:

POST /sapi/v2/loan/flexible/adjust/ltv

**Weight(UID):** 6000

**Request Limit:** 1 time/2 seconds per UID

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| loanCoin | STRING | YES |  |
| collateralCoin | STRING | YES |  |
| adjustmentAmount | DECIMAL | YES |  |
| direction | ENUM | YES | "ADDITIONAL", "REDUCED" |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* API Key needs Spot & Margin Trading permission for this endpoint

## Adjust LTV - Get Flexible Loan LTV Adjustment History (USER\_DATA)

**Response:**

{

"rows": [

{

"loanCoin": "BUSD",

"collateralCoin": "BNB",

"direction": "ADDITIONAL",

"collateralAmount": "5.235",

"preLTV": "0.78",

"afterLTV": "0.56",

"adjustTime": 1575018510000

}

],

"total": 1

}

GET /sapi/v1/loan/flexible/ltv/adjustment/history (To be deprecated)

Please switch to:

GET /sapi/v2/loan/flexible/ltv/adjustment/history

**Weight(IP):** 400

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| loanCoin | STRING | NO |  |
| collateralCoin | STRING | NO |  |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| current | LONG | NO | Current querying page. Start from 1; default: 1; max: 1000 |
| limit | LONG | NO | Default: 10; max: 100 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* If startTime and endTime are not sent, the recent 90-day data will be returned.
* The max interval between startTime and endTime is 180 days.

## Get Flexible Loan Assets Data (USER\_DATA)

**Response:**

{

"rows": [

{

"loanCoin": "BUSD",

"flexibleInterestRate": "0.00000491",

"flexibleMinLimit": "100",

"flexibleMaxLimit": "1000000"

}

],

"total": 1

}

GET /sapi/v1/loan/flexible/loanable/data (deprecated)

Please switch to:

GET /sapi/v2/loan/flexible/loanable/data

Get interest rate and borrow limit of flexible loanable assets. The borrow limit is shown in USD value.

**Weight(IP):** 400

**Request Limit:** 1 time/2 seconds per UID

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| loanCoin | STRING | NO |  |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Get Flexible Loan Collateral Assets Data (USER\_DATA)

**Response:**

{

"rows": [

{

"collateralCoin": "BNB",

"initialLTV": "0.65",

"marginCallLTV": "0.75",

"liquidationLTV": "0.83",

"maxLimit": "1000000"

}

],

"total": 1

}

GET /sapi/v1/loan/flexible/collateral/data (deprecated)

Please switch to:

GET /sapi/v2/loan/flexible/collateral/data

Get LTV information and collateral limit of flexible loan's collateral assets. The collateral limit is shown in USD value.

**Weight(IP):** 400

**Request Limit:** 1 time/2 seconds per UID

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| collateralCoin | STRING | NO |  |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

# Copy Trading Endpoints

## Get Futures Lead Trader Status (USER\_DATA)

**Response:**

{

"code": "000000",

"message": "success",

"data": {

"isLeadTrader": true,

"time": 1717382310843

},

"success": true

}

GET /sapi/v1/copyTrading/futures/userStatus

**Weight(UID):** 20

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Get Futures Lead Trading Symbol Whitelist（USER\_DATA）

**Response:**

{

"code": "000000",

"message": "success",

"data": [

{

"symbol": "BTCUSDT",

"baseAsset": "BTC",

"quoteAsset": "USDT"

},

{

"symbol": "ETHUSDT",

"baseAsset": "ETH",

"quoteAsset": "USDT"

}

],

}

GET /sapi/v1/copyTrading/futures/leadSymbol

**Weight(UID):** 20

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

# Pay Endpoints

## Get Pay Trade History (USER\_DATA)

**Response:**

{

"code": "000000",

"message": "success",

"data": [

{

"orderType": "C2C", // Enum：PAY(C2B Merchant Acquiring Payment), PAY\_REFUND(C2B Merchant Acquiring Payment,refund), C2C(C2C Transfer Payment),CRYPTO\_BOX(Crypto box), CRYPTO\_BOX\_RF(Crypto Box, refund), C2C\_HOLDING(Transfer to new Binance user), C2C\_HOLDING\_RF(Transfer to new Binance user,refund), PAYOUT(B2C Disbursement Payment), REMITTANCE（Send cash)

"transactionId": "M\_P\_71505104267788288",

"transactionTime": 1610090460133, //trade timestamp

"amount": "23.72469206", //order amount(up to 8 decimal places), positive is income, negative is expenditure

"currency": "BNB",

"walletType": 1, //main wallet type, 1 for funding wallet, 2 for spot wallet, 3 for fiat wallet, 4 or 6 for card payment, 5 for earn wallet

"walletTypes": [1,2], //array format，there are multiple values when using combination payment

"fundsDetail": [ // details

{

"currency": "USDT", //asset

"amount": "1.2",

"walletAssetCost":[ //details of asset cost per wallet

{"1":"0.6"},

{"2":"0.6"}

]

},

{

"currency": "ETH",

"amount": "0.0001",

"walletAssetCost":[

{"1":"0.00005"},

{"2":"0.00005"}

]

}

],

"payerInfo":{

"name":"Jack", //nickname or merchant name

"type":"USER", //account type，USER for personal，MERCHANT for merchant

"binanceId":"12345678", //binance uid

"accountId":"67736251" //binance pay id

},

"receiverInfo":{

"name":"Alan", //nickname or merchant name

"type":"MERCHANT", //account type，USER for personal，MERCHANT for merchant

"email":"alan@binance.com", //email

"binanceId":"34355667", //binance uid

"accountId":"21326891", //binance pay id

"countryCode":"1", //International area code

"phoneNumber":"8057651210",

"mobileCode":"US", //country code

"extend":[ //extension field

"institutionName": "",

"cardNumber": "",

"digitalWalletId": ""

]

}

}

],

"success": true

}

GET /sapi/v1/pay/transactions

**Weight(UID):** 3000

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| limit | INT | NO | default 100, max 100 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* If startTime and endTime are not sent, the recent 90 days' data will be returned.
* The max interval between startTime and endTime is 90 days.
* Support for querying orders within the last 18 months.
* For payerInfo and receiverInfo，there are different return values in different orderTypes.
  + Sender's perspective when orderType is C2C
    - payerInfo : binanceId
    - receiverInfo : name, binanceId/accountId/email/countryCode/phoneNumber/mobileCode (based on user input)
  + Receiver's perspective when orderType is C2C
    - payerInfo : name, accountId
    - receiverInfo : binanceId
  + Sender's perspective when orderType is CRYPTO\_BOX
    - payerInfo : binanceId
    - receiverInfo : name(the value is always "Crypto Box")
  + Receiver's perspective when orderType is CRYPTO\_BOX
    - payerInfo : name, accountId
    - receiverInfo : binanceId
  + Sender's perspective when orderType is PAY
    - payerInfo : binanceId
    - receiverInfo : name
  + Receiver's perspective when orderType is PAY
    - payerInfo : name, accountId
    - receiverInfo : binanceId, name
  + Sender's perspective when orderType is PAY\_REFUND
    - payerInfo : binanceId, name
    - receiverInfo : name, accountId
  + Receiver's perspective when orderType is PAY\_REFUND
    - payerInfo : name
    - receiverInfo : binanceId
  + Sender's perspective when orderType is PAYOUT
    - payerInfo : binanceId, name
    - receiverInfo : name, accountId
  + Receiver's perspective when orderType is PAYOUT
    - payerInfo : name
    - receiverInfo : binanceId
  + Receiver's perspective when orderType is CRYPTO\_BOX\_RF
    - payerInfo : name(the value is always "Crypto Box")
    - receiverInfo : binanceId
  + Sender's perspective when orderType is REMITTANCE
    - payerInfo : binanceId
    - receiverInfo : name, institutionName, cardNumber, digitalWalletId

# Convert Endpoints

Would you like to have access to Binance Convert API? Please complete the [questionnaire](https://www.binance.com/en/survey/9b262810a04a4d00840e6ec1bb1425d4) to submit your request for access. The Convert API service is created for users who wish to automate their trading on Binance Convert. You will receive a confirmation email after we have approved your application.

**Note: All users of this service are subject to the Binance Terms of Use and the use of the API services is not suitable for purposes including price arbitrage, high frequency trading or price exploitation. Binance may restrict or terminate a Binance API Connection at any time for any reason in its sole discretion and is not obliged to provide any prior notice to the User of any such restriction or termination or any reason therefore.**

## List All Convert Pairs

**Response:**

[

{

"fromAsset":"BTC",

"toAsset":"USDT",

"fromAssetMinAmount":"0.0004",

"fromAssetMaxAmount":"50",

"toAssetMinAmount":"20",

"toAssetMaxAmount":"2500000",

"fromIsBase": True

}

]

GET /sapi/v1/convert/exchangeInfo

Query for all convertible token pairs and the tokens’ respective upper/lower limits

**Weight(IP):** 20

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| fromAsset | STRING | EITHER OR BOTH | User spends coin |
| toAsset | STRING | EITHER OR BOTH | User receives coin |

* User needs to supply either or both of the input parameter
* If not defined for both fromAsset and toAsset, only partial token pairs will be returned

## Query order quantity precision per asset (USER\_DATA)

**Response:**

[

{

"asset": "BTC",

"fraction": 8

},

{

"asset": "SHIB",

"fraction": 2

}

]

GET /sapi/v1/convert/assetInfo

Query for supported asset’s precision information

**Weight(IP):** 100

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

## Send quote request (USER\_DATA)

**Response:**

{

"quoteId":"12415572564",

"ratio":"38163.7",

"inverseRatio":"0.0000262",

"validTimestamp":1623319461670,

"toAmount":"3816.37",

"fromAmount":"0.1"

}

POST /sapi/v1/convert/getQuote

Request a quote for the requested token pairs

**Weight(UID):** 200

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| fromAsset | STRING | YES |  |
| toAsset | STRING | YES |  |
| fromAmount | DECIMAL | EITHER | When specified, it is the amount you will be debited after the conversion |
| toAmount | DECIMAL | EITHER | When specified, it is the amount you will be credited after the conversion |
| walletType | ENUM | NO | SPOT or FUNDING. Default is SPOT |
| validTime | ENUM | NO | 10s, 30s, 1m, 2m, default 10s |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

* Either fromAmount or toAmount should be sent
* quoteId will be returned only if you have enough funds to convert

## Accept Quote (TRADE)

**Response:**

{

"orderId":"933256278426274426",

"createTime":1623381330472,

"orderStatus":"PROCESS" //PROCESS/ACCEPT\_SUCCESS/SUCCESS/FAIL

}

POST /sapi/v1/convert/acceptQuote

Accept the offered quote by quote ID.

**Weight(UID):** 500

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| quoteId | STRING | YES |  |
| recvWindow | LONG | NO | The value cannot be greater than 60000 |
| timestamp | LONG | YES |  |

## Order status (USER\_DATA)

**Response:**

{

"orderId":933256278426274426,

"orderStatus":"SUCCESS",

"fromAsset":"BTC",

"fromAmount":"0.00054414",

"toAsset":"USDT",

"toAmount":"20",

"ratio":"36755",

"inverseRatio":"0.00002721",

"createTime":1623381330472

}

GET /sapi/v1/convert/orderStatus

Query order status by order ID.

**Weight(UID):** 100

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| orderId | STRING | NO | Either orderId or quoteId is required |
| quoteId | STRING | NO | Either orderId or quoteId is required |

## Place limit order (USER\_DATA)

**Response:**

{

"orderId": 1603680255057330400,

"status": "PROCESS"

}

POST /sapi/v1/convert/limit/placeOrder

Enable users to place a limit order

**Weight(UID):** 500

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| baseAsset | STRING | YES | base asset (use the response fromIsBase from GET /sapi/v1/convert/exchangeInfo api to check which one is baseAsset ) |
| quoteAsset | STRING | YES | quote asset |
| limitPrice | DECIMAL | YES | Symbol limit price (from baseAsset to quoteAsset) |
| baseAmount | DECIMAL | NO | Base asset amount. (One of baseAmount or quoteAmount is required) |
| quoteAmount | DECIMAL | NO | Quote asset amount. (One of baseAmount or quoteAmount is required) |
| side | ENUM | YES | BUY or SELL |
| walletType | ENUM | NO | SPOT or FUNDING or SPOT\_FUNDING. It is to use which type of assets. Default is SPOT. |
| expiredType | ENUM | YES | 1\_D, 3\_D, 7\_D, 30\_D (D means day) |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* baseAsset or quoteAsset can be determined via exchangeInfo endpoint.
* Limit price is defined from baseAsset to quoteAsset.
* Either baseAmount or quoteAmount is used.

## Cancel limit order (USER\_DATA)

**Response:**

{

"orderId": 1603680255057330400,

"status": "CANCELED"

}

POST /sapi/v1/convert/limit/cancelOrder

Enable users to cancel a limit order

**Weight(UID):** 200

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| orderId | LONG | YES | The orderId from placeOrder api |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Query limit open orders (USER\_DATA)

**Response:**

{

"list": [

{

"quoteId": "18sdf87kh9df",

"orderId": 1150901289839,

"orderStatus": "SUCCESS",

"fromAsset": "BNB",

"fromAmount": "10",

"toAsset": "USDT",

"toAmount": "2317.89",

"ratio": "231.789",

"inverseRatio": "0.00431427",

"createTime": 1614089498000,

"expiredTimestamp": 1614099498000

}

]

}

GET /sapi/v1/convert/limit/queryOpenOrders

Enable users to query for all existing limit orders

**Weight(UID):** 3000

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Get Convert Trade History (USER\_DATA)

**Response:**

{

"list": [

{

"quoteId": "f3b91c525b2644c7bc1e1cd31b6e1aa6",

"orderId": 940708407462087195,

"orderStatus": "SUCCESS", // order status

"fromAsset": "USDT", // from asset

"fromAmount": "20", // from amount

"toAsset": "BNB", // to asset

"toAmount": "0.06154036", // to amount

"ratio": "0.00307702", // price ratio

"inverseRatio": "324.99", // inverse price

"createTime": 1624248872184

}

],

"startTime": 1623824139000,

"endTime": 1626416139000,

"limit": 100,

"moreData": false

}

GET /sapi/v1/convert/tradeFlow

**Weight(UID):** 3000

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| startTime | LONG | YES |  |
| endTime | LONG | YES |  |
| limit | INT | NO | Default 100, Max 1000 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* The max interval between startTime and endTime is 30 days.

# Rebate Endpoints

## Get Spot Rebate History Records (USER\_DATA)

**Response:**

{

"status": "OK",

"type": "GENERAL",

"code": "000000000",

"data": {

"page": 1, // current page

"totalRecords": 2, // total records

"totalPageNum": 1, // total pages

"data": [

{

"asset": "USDT", // rebate asset

"type": 1, // rebate type：1 is commission rebate，2 is referral kickback

"amount": "0.0001126",

"updateTime": 1637651320000

},

{

"asset": "ETH",

"type": 1,

"amount": "0.00000056",

"updateTime": 1637928379000

}

]

}

}

GET /sapi/v1/rebate/taxQuery

**Weight(UID):** 12000

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| page | INT | NO | Default 1 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* The max interval between startTime and endTime is 30 days.
* If startTime and endTime are not sent, the recent 7 days' data will be returned.
* The earliest startTime is supported on June 10, 2020
* Return up to 200 records per request.

# NFT Endpoints

## Get NFT Transaction History (USER\_DATA)

**Response:**

{

"total": 2, //total records

"list": [

{

"orderNo": "1\_470502070600699904", // 0: purchase order, 1: sell order, 2: royalty income, 3: primary market order, 4: mint fee

"tokens": [

{

"network": "BSC", // NFT Network

"tokenId": "216000000496", // NFT Token ID

"contractAddress": "MYSTERY\_BOX0000087" // NFT Contract Address

}

],

"tradeTime": 1626941236000,

"tradeAmount": "19.60000000",

"tradeCurrency": "BNB"

},

{

"orderNo": "1\_488306442479116288",

"tokens": [

{

"network": "BSC",

"tokenId": "132900000007",

"contractAddress": "0xAf12111a592e408DAbC740849fcd5e68629D9fb6"

}

],

"tradeTime": 1631186130000,

"tradeAmount": "192.00000000",

"tradeCurrency": "BNB"

}

]

}

GET /sapi/v1/nft/history/transactions

**Weight(UID):** 3000

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| orderType | INT | YES | 0: purchase order, 1: sell order, 2: royalty income, 3: primary market order, 4: mint fee |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| limit | INT | NO | Default 50, Max 50 |
| page | INT | NO | Default 1 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* The max interval between startTime and endTime is 90 days.
* If startTime and endTime are not sent, the recent 7 days' data will be returned.

## Get NFT Deposit History(USER\_DATA)

**Response:**

{

"total": 2,

"list": [

{

"network": "ETH", // NFT Network

"txID": null, // Transaction ID

"contractAdrress": "0xe507c961ee127d4439977a61af39c34eafee0dc6", // NFT Contract Address

"tokenId": "10014", // NFT Token ID

"timestamp": 1629986047000

},

{

"network": "BSC",

"txID": null,

"contractAdrress": "0x058451b463bab04f52c0799d55c4094f507acfa9",

"tokenId": "10016",

"timestamp": 1630083581000

}

]

}

GET /sapi/v1/nft/history/deposit

**Weight(UID):** 3000

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| limit | INT | NO | Default 50, Max 50 |
| page | INT | NO | Default 1 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* The max interval between startTime and endTime is 90 days.
* If startTime and endTime are not sent, the recent 7 days' data will be returned.

## Get NFT Withdraw History (USER\_DATA)

**Response:**

{

"total": 178,

"list": [

{

"network": "ETH",

"txID": "0x2be5eed31d787fdb4880bc631c8e76bdfb6150e137f5cf1732e0416ea206f57f",

"contractAdrress": "0xe507c961ee127d4439977a61af39c34eafee0dc6", // NFT Contract Address

"tokenId": "1000001247", // NFT Token ID

"timestamp": 1633674433000,

"fee": 0.1, // Withdraw Fee

"feeAsset": "ETH" // Asset

},

{

"network": "ETH",

"txID": "0x3b3aea5c0a4faccd6f306641e6deb9713ab229ac233be3be227f580311e4362a",

"contractAdrress": "0xe507c961ee127d4439977a61af39c34eafee0dc6",

"tokenId": "40000030",

"timestamp": 1633677022000,

"fee": 0.1,

"feeAsset": "ETH"

}

]

}

GET /sapi/v1/nft/history/withdraw

**Weight(UID):** 3000

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| startTime | LONG | NO |  |
| endTime | LONG | NO |  |
| limit | INT | NO | Default 50, Max 50 |
| page | INT | NO | Default 1 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

* The max interval between startTime and endTime is 90 days.
* If startTime and endTime are not sent, the recent 7 days' data will be returned.

## Get NFT Asset (USER\_DATA)

**Response:**

{

"total": 347,

"list": [

{

"network": "BSC", // NFT Network

"contractAddress": "REGULAR11234567891779", // NFT Contract Address

"tokenId": "100900000017" // NFT Token ID

},

{

"network": "BSC",

"contractAddress": "SSMDQ8W59",

"tokenId": "200500000011"

},

{

"network": "BSC",

"contractAddress": "SSMDQ8W59",

"tokenId": "200500000019"

}

]

}

GET /sapi/v1/nft/user/getAsset

**Weight(UID):** 3000

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| limit | INT | NO | Default 50, Max 50 |
| page | INT | NO | Default 1 |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

# Binance Gift Card Endpoints

Binance Gift Card allows simple crypto transfer and exchange through secured and prepaid codes. Binance Gift Card API solution is to facilitate instant creation, redemption and value-checking for Binance Gift Card. Binance Gift Card product feature consists of two parts: “Gift Card Number” and “Binance Gift Card Redemption Code”. The Gift Card Number can be circulated in public, and it is used to verify the validity of the Binance Gift Card; Binance Gift Card Redemption Code should be kept confidential, because as long as someone knows the redemption code, that person can redeem it anytime.

By using any of the Binance Gift Card endpoints you are confirming your agreement to the [Terms of Use for Binance Gift Cards](https://www.binance.com/en/legal/terms-gift-card) and [Binance Pay Terms of Use](https://www.binance.com/en/terms-pay).

Creating gift cards is limited only to entity accounts which have passed KYB verification.

Effective from 21 Aug 2023, a 1% transaction fee will apply when you buy or create gift cards in Binance directly.

## Create a single-token gift card (USER\_DATA)

**Response:**

{

"code": "000000",

"message": "success",

"data": {

"referenceNo": "0033002144060553",

"code": "6H9EKF5ECCWFBHGE",

"expiredTime": 1727417154000

},

"success": true

}

POST /sapi/v1/giftcard/createCode

This API is for creating a Binance Gift Card.

To get started with, please make sure:

* You have a Binance account
* You have passed KYB
* You have a sufﬁcient balance(Gift Card amount and fee amount) in your Binance funding wallet
* You need Enable Withdrawals for the API Key which requests this endpoint.

**Weight(IP):** 1

* Daily creation volume: 2 BTC / 24H / account
* Daily creation quantity: 200 Gift Cards / 24H / account

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| token | STRING | YES | The token type contained in the Binance Gift Card |
| amount | DOUBLE | YES | The amount of the token contained in the Binance Gift Card |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Create a dual-token gift card (fixed value, discount feature) (TRADE)

**Response:**

{

"code": "000000",

"message": "success",

"data": {

"referenceNo": "0033002144060553",

"code": "6H9EKF5ECCWFBHGE",

"expiredTime": 1727417154000

},

"success": true

}

POST /sapi/v1/giftcard/buyCode

* This API is for creating a dual-token ( stablecoin-denominated) Binance Gift Card. You may create a gift card using USDT as baseToken, that is redeemable to another designated token (faceToken). For example, you can create a fixed-value BTC gift card and pay with 100 USDT plus 1 USDT fee. This gift card can keep the value fixed at 100 USDT before redemption, and will be redeemable to BTC equivalent to 100 USDT upon redemption.
* Once successfully created, the amount of baseToken (e.g. USDT) in the fixed-value gift card along with the fee would be deducted from your funding wallet.
* To get started with, please make sure:
  + You have a Binance account
  + You have passed KYB
  + You have a sufﬁcient balance(Gift Card amount and fee amount) in your Binance funding wallet
  + You need Enable Withdrawals for the API Key which requests this endpoint.

**Weight(IP):** 1

* Daily creation volume: 2 BTC / 24H / account
* Daily creation quantity: 200 Gift Cards / 24H / account

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| baseToken | STRING | YES | The token you want to pay, example: BUSD |
| faceToken | STRING | YES | The token you want to buy, example: BNB. If faceToken = baseToken, it's the same as createCode endpoint. |
| baseTokenAmount | DOUBLE | YES | The base token asset quantity, example : 1.002 |
| discount | DOUBLE | NO | Stablecoin-denominated card discount percentage, Example: 1 for 1% discount. Scale should be less than 6. |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Redeem a Binance Gift Card (USER\_DATA)

**Response:**

{

"code":"000000",

"message":"success",

"data":{

"referenceNo":"0033002328060227",

"identityNo":"10317392647411060736",

"token":"BNB",

"amount":"0.00000001"

},

"success":true

}

POST /sapi/v1/giftcard/redeemCode

This API is for redeeming a Binance Gift Card

Once redeemed, the coins will be deposited in your funding wallet.

**Please note that if you enter the wrong redemption code 5 times within 24 hours, you will no longer be able to redeem any Binance Gift Cards that day**

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| code | STRING | YES | Redemption code of Binance Gift Card to be redeemed, supports both Plaintext & Encrypted code. |
| externalUid | STRING | NO | Each external unique ID represents a unique user on the partner platform. The function helps you to identify the redemption behavior of different users, such as redemption frequency and amount. It also helps risk and limit control of a single account, such as daily limit on redemption volume, frequency, and incorrect number of entries. This will also prevent a single user account reach the partner's daily redemption limits. We strongly recommend you to use this feature and transfer us the User ID of your users if you have different users redeeming Binance Gift Cards on your platform. To protect user data privacy, you may choose to transfer the user id in any desired format (max. 400 characters). |
|  |  |  |  |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

**Notes:**

* Parameter code can be sent in two formats:
  + Plaintext
  + Encrypted
* Sending code in Encrypted format provides more security than sending it as a plaintext. To send card code in encrypted format the following steps must be followed:
  + Fetch RSA public key from api stated below.
  + Use the below algorithm to encrypt the card code using the RSA public key fetched above: RSA/ECB/OAEPWithSHA-256AndMGF1Padding

**A sample code snippet (JAVA) is stated below for reference, the same approach can be used for different languages like C#, PERL, PYTHON, SHELL etc.:**

private static PublicKey getPublicKey(String publicKey) throws Exception {

KeyFactory keyFactory = KeyFactory.getInstance("RSA");

byte[] decodedKey = Base64.decodeBase64(publicKey.getBytes());

X509EncodedKeySpec keySpec = new X509EncodedKeySpec(decodedKey);

return keyFactory.generatePublic(keySpec);

}

public static String encrypt(String content, String publicKeyString) throws Exception {

if (StringUtils.isAnyEmpty(new CharSequence[]{content, publicKeyString})) {

throw new IllegalArgumentException("invalid content or privateKey.");

} else {

Cipher cipher = Cipher.getInstance("RSA/ECB/OAEPWITHSHA-256ANDMGF1PADDING", "BC");

cipher.init(Cipher.ENCRYPT\_MODE, getPublicKey(publicKeyString));

return new String(Base64.encodeBase64URLSafe(cipher.doFinal(content.getBytes("UTF-8"))));

}

}

static {

Security.addProvider(new BouncyCastleProvider());

}

## Verify Binance Gift Card by Gift Card Number (USER\_DATA)

**Response:**

{

"code": "000000",

"message": "success",

"data": {

"valid":true,

"token":"BNB", // coin

"amount":"0.00000001" // amount

},

"success": true

}

GET /sapi/v1/giftcard/verify

This API is for verifying whether the Binance Gift Card is valid or not by entering Gift Card Number.

**Please note that if you enter the wrong Gift Card Number 5 times within an hour, you will no longer be able to verify any Gift Card Number for that hour.**

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| referenceNo | STRING | YES | Enter the Gift Card Number |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Fetch RSA Public Key (USER\_DATA)

**Response:**

{

"code": "000000",

"message": "success",

"data": "MIGfMA0GCSqGSIb3DQEBAQUAA4GNADCBiQKBgQCXBBVKLAc1GQ5FsIFFqOHrPTox5noBONIKr+IAedTR9FkVxq6e65updEbfdhRNkMOeYIO2i0UylrjGC0X8YSoIszmrVHeV0l06Zh1oJuZos1+7N+WLuz9JvlPaawof3GUakTxYWWCa9+8KIbLKsoKMdfS96VT+8iOXO3quMGKUmQIDAQAB",

"success": true

}

GET /sapi/v1/giftcard/cryptography/rsa-public-key

This API is for fetching the RSA Public Key. This RSA Public key will be used to encrypt the card code.

**Please note that the RSA Public key fetched is valid only for the current day.**

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

## Fetch Token Limit (USER\_DATA)

**Response:**

{

"code": "000000",

"message": "success",

"data": [

{

"coin": "BNB",

"fromMin": "0.01",

"fromMax": "1"

}

],

"success":true

}

GET /sapi/v1/giftcard/buyCode/token-limit

This API is to help you verify which tokens are available for you to create Stablecoin-Denominated gift cards as mentioned in section 2 and its’ limitation.

**Weight(IP):** 1

**Parameters:**

| **Name** | **Type** | **Mandatory** | **Description** |
| --- | --- | --- | --- |
| baseToken | STRING | YES | The token you want to pay, example: BUSD |
| recvWindow | LONG | NO |  |
| timestamp | LONG | YES |  |

# Error Codes

The error JSON payload:

{

"code":-1121,

"msg":"Invalid symbol."

}

Errors consist of two parts: an error code and a message. Codes are universal, but messages can vary.

## 10xx - General Server or Network issues

### -1000 UNKNOWN

* An unknown error occurred while processing the request.
* An unknown error occurred while processing the request.[%s]

### -1001 DISCONNECTED

* Internal error; unable to process your request. Please try again.

### -1002 UNAUTHORIZED

* You are not authorized to execute this request.

### -1003 TOO\_MANY\_REQUESTS

* Too many requests queued.
* Too much request weight used; current limit is %s request weight per %s. Please use WebSocket Streams for live updates to avoid polling the API.
* Way too much request weight used; IP banned until %s. Please use WebSocket Streams for live updates to avoid bans.

### -1004 SERVER\_BUSY

* Server is busy, please wait and try again

### -1006 UNEXPECTED\_RESP

* An unexpected response was received from the message bus. Execution status unknown.

### -1007 TIMEOUT

* Timeout waiting for response from backend server. Send status unknown; execution status unknown.

### -1008 SERVER\_BUSY

* Spot server is currently overloaded with other requests. Please try again in a few minutes.

### -1014 UNKNOWN\_ORDER\_COMPOSITION

* Unsupported order combination.

### -1015 TOO\_MANY\_ORDERS

* Too many new orders.
* Too many new orders; current limit is %s orders per %s.

### -1016 SERVICE\_SHUTTING\_DOWN

* This service is no longer available.

### -1020 UNSUPPORTED\_OPERATION

* This operation is not supported.

### -1021 INVALID\_TIMESTAMP

* Timestamp for this request is outside of the recvWindow.
* Timestamp for this request was 1000ms ahead of the server's time.

### -1022 INVALID\_SIGNATURE

* Signature for this request is not valid.

### -1099 Not found, authenticated, or authorized

* This replaces error code -1999

## 11xx - 2xxx Request issues

### -1100 ILLEGAL\_CHARS

* Illegal characters found in a parameter.
* Illegal characters found in a parameter. %s
* Illegal characters found in parameter %s; legal range is %s.

### -1101 TOO\_MANY\_PARAMETERS

* Too many parameters sent for this endpoint.
* Too many parameters; expected %s and received %s.
* Duplicate values for a parameter detected.

### -1102 MANDATORY\_PARAM\_EMPTY\_OR\_MALFORMED

* A mandatory parameter was not sent, was empty/null, or malformed.
* Mandatory parameter %s was not sent, was empty/null, or malformed.
* Param %s or %s must be sent, but both were empty/null!

### -1103 UNKNOWN\_PARAM

* An unknown parameter was sent.

### -1104 UNREAD\_PARAMETERS

* Not all sent parameters were read.
* Not all sent parameters were read; read %s parameter(s) but was sent %s.

### -1105 PARAM\_EMPTY

* A parameter was empty.
* Parameter %s was empty.

### -1106 PARAM\_NOT\_REQUIRED

* A parameter was sent when not required.
* Parameter %s sent when not required.

### -1111 BAD\_PRECISION

* Parameter %s has too much precision.

### -1112 NO\_DEPTH

* No orders on book for symbol.

### -1114 TIF\_NOT\_REQUIRED

* TimeInForce parameter sent when not required.

### -1115 INVALID\_TIF

* Invalid timeInForce.

### -1116 INVALID\_ORDER\_TYPE

* Invalid orderType.

### -1117 INVALID\_SIDE

* Invalid side.

### -1118 EMPTY\_NEW\_CL\_ORD\_ID

* New client order ID was empty.

### -1119 EMPTY\_ORG\_CL\_ORD\_ID

* Original client order ID was empty.

### -1120 BAD\_INTERVAL

* Invalid interval.

### -1121 BAD\_SYMBOL

* Invalid symbol.

### -1122 INVALID\_SYMBOLSTATUS

* Invalid symbolStatus.

### -1125 INVALID\_LISTEN\_KEY

* This listenKey does not exist.

### -1127 MORE\_THAN\_XX\_HOURS

* Lookup interval is too big.
* More than %s hours between startTime and endTime.

### -1128 OPTIONAL\_PARAMS\_BAD\_COMBO

* Combination of optional parameters invalid.

### -1130 INVALID\_PARAMETER

* Invalid data sent for a parameter.
* Data sent for parameter %s is not valid.

### -1131 BAD\_RECV\_WINDOW

* recvWindow must be less than 60000

### -1134 BAD\_STRATEGY\_TYPE

* strategyType was less than 1000000.

### -1139 INVALID\_TICKER\_TYPE

* Invalid ticker type.

### -1145 INVALID\_CANCEL\_RESTRICTIONS

* cancelRestrictions has to be either ONLY\_NEW or ONLY\_PARTIALLY\_FILLED.

### -1151 DUPLICATE\_SYMBOLS

* Symbol is present multiple times in the list.

### -1152 INVALID\_SBE\_HEADER

* Invalid X-MBX-SBE header; expected <SCHEMA\_ID>:<VERSION>.

### -1153 UNSUPPORTED\_SCHEMA\_ID

* Unsupported SBE schema ID or version specified in the X-MBX-SBE header.

### -1155 SBE\_DISABLED

* SBE is not enabled.

### -1158 OCO\_ORDER\_TYPE\_REJECTED

* Order type not supported in OCO.
* If the order type provided in the aboveType and/or belowType is not supported.

### -1160 OCO\_ICEBERGQTY\_TIMEINFORCE

* Parameter '%s' is not supported if aboveTimeInForce/belowTimeInForce is not GTC.
* If the order type for the above or below leg is STOP\_LOSS\_LIMIT, and icebergQty is provided for that leg, the timeInForce has to be GTC else it will throw an error.

### -1161 DEPRECATED\_SCHEMA

* Unable to encode the response in SBE schema 'x'. Please use schema 'y' or higher

### -1196 BUY\_OCO\_STOP\_LOSS\_MUST\_BE\_ABOVE

* A stop loss order in a buy OCO must be above.

### -1197 SELL\_OCO\_STOP\_LOSS\_MUST\_BE\_BELOW

* A stop loss order in a sell OCO must be below.

### -1198 BUY\_OCO\_TAKE\_PROFIT\_MUST\_BE\_BELOW

* A take profit order in a buy OCO must be below.

### -1199 SELL\_OCO\_TAKE\_PROFIT\_MUST\_BE\_ABOVE

* A take profit order in a sell OCO must be above.

### -2010 NEW\_ORDER\_REJECTED

* NEW\_ORDER\_REJECTED

### -2011 CANCEL\_REJECTED

* CANCEL\_REJECTED

### -2013 NO\_SUCH\_ORDER

* Order does not exist.

### -2014 BAD\_API\_KEY\_FMT

* API-key format invalid.

### -2015 REJECTED\_MBX\_KEY

* Invalid API-key, IP, or permissions for action.

### -2016 NO\_TRADING\_WINDOW

* No trading window could be found for the symbol. Try ticker/24hrs instead.

### -2026 ORDER\_ARCHIVED

* Order was canceled or expired with no executed qty over 90 days ago and has been archived.

## 3xxx-5xxx SAPI-specific issues

### -3000 INNER\_FAILURE

* Internal server error.

### -3001 NEED\_ENABLE\_2FA

* Please enable 2FA first.

### -3002 ASSET\_DEFICIENCY

* We don't have this asset.

### -3003 NO\_OPENED\_MARGIN\_ACCOUNT

* Margin account does not exist.

### -3004 TRADE\_NOT\_ALLOWED

* Trade not allowed.

### -3005 TRANSFER\_OUT\_NOT\_ALLOWED

* Transferring out not allowed.

### -3006 EXCEED\_MAX\_BORROWABLE

* Your borrow amount has exceed maximum borrow amount.

### -3007 HAS\_PENDING\_TRANSACTION

* You have pending transaction, please try again later.

### -3008 BORROW\_NOT\_ALLOWED

* Borrow not allowed.

### -3009 ASSET\_NOT\_MORTGAGEABLE

* This asset are not allowed to transfer into margin account currently.

### -3010 REPAY\_NOT\_ALLOWED

* Repay not allowed.

### -3011 BAD\_DATE\_RANGE

* Your input date is invalid.

### -3012 ASSET\_ADMIN\_BAN\_BORROW

* Borrow is banned for this asset.

### -3013 LT\_MIN\_BORROWABLE

* Borrow amount less than minimum borrow amount.

### -3014 ACCOUNT\_BAN\_BORROW

* Borrow is banned for this account.

### -3015 REPAY\_EXCEED\_LIABILITY

* Repay amount exceeds borrow amount.

### -3016 LT\_MIN\_REPAY

* Repay amount less than minimum repay amount.

### -3017 ASSET\_ADMIN\_BAN\_MORTGAGE

* This asset are not allowed to transfer into margin account currently.

### -3018 ACCOUNT\_BAN\_MORTGAGE

* Transferring in has been banned for this account.

### -3019 ACCOUNT\_BAN\_ROLLOUT

* Transferring out has been banned for this account.

### -3020 EXCEED\_MAX\_ROLLOUT

* Transfer out amount exceeds max amount.

### -3021 PAIR\_ADMIN\_BAN\_TRADE

* Margin account are not allowed to trade this trading pair.

### -3022 ACCOUNT\_BAN\_TRADE

* You account's trading is banned.

### -3023 WARNING\_MARGIN\_LEVEL

* You can't transfer out/place order under current margin level.

### -3024 FEW\_LIABILITY\_LEFT

* The unpaid debt is too small after this repayment.

### -3025 INVALID\_EFFECTIVE\_TIME

* Your input date is invalid.

### -3026 VALIDATION\_FAILED

* Your input param is invalid.

### -3027 NOT\_VALID\_MARGIN\_ASSET

* Not a valid margin asset.

### -3028 NOT\_VALID\_MARGIN\_PAIR

* Not a valid margin pair.

### -3029 TRANSFER\_FAILED

* Transfer failed.

### -3036 ACCOUNT\_BAN\_REPAY

* This account is not allowed to repay.

### -3037 PNL\_CLEARING

* PNL is clearing. Wait a second.

### -3038 LISTEN\_KEY\_NOT\_FOUND

* Listen key not found.

### -3041 BALANCE\_NOT\_CLEARED

* Balance is not enough

### -3042 PRICE\_INDEX\_NOT\_FOUND

* PriceIndex not available for this margin pair.

### -3043 TRANSFER\_IN\_NOT\_ALLOWED

* Transferring in not allowed.

### -3044 SYSTEM\_BUSY

* System busy.

### -3045 SYSTEM

* The system doesn't have enough asset now.

### -3999 NOT\_WHITELIST\_USER

* This function is only available for invited users.

### -4001 CAPITAL\_INVALID

* Invalid operation.

### -4002 CAPITAL\_IG

* Invalid get.

### -4003 CAPITAL\_IEV

* Your input email is invalid.

### -4004 CAPITAL\_UA

* You don't login or auth.

### -4005 CAPITAL\_TOO\_MANY\_REQUEST

* Too many new requests.

### -4006 CAPITAL\_ONLY\_SUPPORT\_PRIMARY\_ACCOUNT

* Support main account only.

### -4007 CAPITAL\_ADDRESS\_VERIFICATION\_NOT\_PASS

* Address validation is not passed.

### -4008 CAPITAL\_ADDRESS\_TAG\_VERIFICATION\_NOT\_PASS

* Address tag validation is not passed.

### -4010 CAPITAL\_WHITELIST\_EMAIL\_CONFIRM

* White list mail has been confirmed.

### -4011 CAPITAL\_WHITELIST\_EMAIL\_EXPIRED

* White list mail is invalid.

### -4012 CAPITAL\_WHITELIST\_CLOSE

* White list is not opened.

### -4013 CAPITAL\_WITHDRAW\_2FA\_VERIFY

* 2FA is not opened.

### -4014 CAPITAL\_WITHDRAW\_LOGIN\_DELAY

* Withdraw is not allowed within 2 min login.

### -4015 CAPITAL\_WITHDRAW\_RESTRICTED\_MINUTE

* Withdraw is limited.

### -4016 CAPITAL\_WITHDRAW\_RESTRICTED\_PASSWORD

* Within 24 hours after password modification, withdrawal is prohibited.

### -4017 CAPITAL\_WITHDRAW\_RESTRICTED\_UNBIND\_2FA

* Within 24 hours after the release of 2FA, withdrawal is prohibited.

### -4018 CAPITAL\_WITHDRAW\_ASSET\_NOT\_EXIST

* We don't have this asset.

### -4019 CAPITAL\_WITHDRAW\_ASSET\_PROHIBIT

* Current asset is not open for withdrawal.

### -4021 CAPITAL\_WITHDRAW\_AMOUNT\_MULTIPLE

* Asset withdrawal must be an %s multiple of %s.

### -4022 CAPITAL\_WITHDRAW\_MIN\_AMOUNT

* Not less than the minimum pick-up quantity %s.

### -4023 CAPITAL\_WITHDRAW\_MAX\_AMOUNT

* Within 24 hours, the withdrawal exceeds the maximum amount.

### -4024 CAPITAL\_WITHDRAW\_USER\_NO\_ASSET

* You don't have this asset.

### -4025 CAPITAL\_WITHDRAW\_USER\_ASSET\_LESS\_THAN\_ZERO

* The number of hold asset is less than zero.

### -4026 CAPITAL\_WITHDRAW\_USER\_ASSET\_NOT\_ENOUGH

* You have insufficient balance.

### -4027 CAPITAL\_WITHDRAW\_GET\_TRAN\_ID\_FAILURE

* Failed to obtain tranId.

### -4028 CAPITAL\_WITHDRAW\_MORE\_THAN\_FEE

* The amount of withdrawal must be greater than the Commission.

### -4029 CAPITAL\_WITHDRAW\_NOT\_EXIST

* The withdrawal record does not exist.

### -4030 CAPITAL\_WITHDRAW\_CONFIRM\_SUCCESS

* Confirmation of successful asset withdrawal.

### -4031 CAPITAL\_WITHDRAW\_CANCEL\_FAILURE

* Cancellation failed.

### -4032 CAPITAL\_WITHDRAW\_CHECKSUM\_VERIFY\_FAILURE

* Withdraw verification exception.

### -4033 CAPITAL\_WITHDRAW\_ILLEGAL\_ADDRESS

* Illegal address.

### -4034 CAPITAL\_WITHDRAW\_ADDRESS\_CHEAT

* The address is suspected of fake.

### -4035 CAPITAL\_WITHDRAW\_NOT\_WHITE\_ADDRESS

* This address is not on the whitelist. Please join and try again.

### -4036 CAPITAL\_WITHDRAW\_NEW\_ADDRESS

* The new address needs to be withdrawn in {0} hours.

### -4037 CAPITAL\_WITHDRAW\_RESEND\_EMAIL\_FAIL

* Re-sending Mail failed.

### -4038 CAPITAL\_WITHDRAW\_RESEND\_EMAIL\_TIME\_OUT

* Please try again in 5 minutes.

### -4039 CAPITAL\_USER\_EMPTY

* The user does not exist.

### -4040 CAPITAL\_NO\_CHARGE

* This address not charged.

### -4041 CAPITAL\_MINUTE\_TOO\_SMALL

* Please try again in one minute.

### -4042 CAPITAL\_CHARGE\_NOT\_RESET

* This asset cannot get deposit address again.

### -4043 CAPITAL\_ADDRESS\_TOO\_MUCH

* More than 100 recharge addresses were used in 24 hours.

### -4044 CAPITAL\_BLACKLIST\_COUNTRY\_GET\_ADDRESS

* This is a blacklist country.

### -4045 CAPITAL\_GET\_ASSET\_ERROR

* Failure to acquire assets.

### -4046 CAPITAL\_AGREEMENT\_NOT\_CONFIRMED

* Agreement not confirmed.

### -4047 CAPITAL\_DATE\_INTERVAL\_LIMIT

* Time interval must be within 0-90 days

### -4060 CAPITAL\_WITHDRAW\_USER\_ASSET\_LOCK\_DEPOSIT

* As your deposit has not reached the required block confirmations, we have temporarily locked {0} asset

### -5001 ASSET\_DRIBBLET\_CONVERT\_SWITCH\_OFF

* Don't allow transfer to micro assets.

### -5002 ASSET\_ASSET\_NOT\_ENOUGH

* You have insufficient balance.

### -5003 ASSET\_USER\_HAVE\_NO\_ASSET

* You don't have this asset.

### -5004 USER\_OUT\_OF\_TRANSFER\_FLOAT

* The residual balances have exceeded 0.001BTC, Please re-choose.
* The residual balances of %s have exceeded 0.001BTC, Please re-choose.

### -5005 USER\_ASSET\_AMOUNT\_IS\_TOO\_LOW

* The residual balances of the BTC is too low
* The residual balances of %s is too low, Please re-choose.

### -5006 USER\_CAN\_NOT\_REQUEST\_IN\_24\_HOURS

* Only transfer once in 24 hours.

### -5007 AMOUNT\_OVER\_ZERO

* Quantity must be greater than zero.

### -5008 ASSET\_WITHDRAW\_WITHDRAWING\_NOT\_ENOUGH

* Insufficient amount of returnable assets.

### -5009 PRODUCT\_NOT\_EXIST

* Product does not exist.

### -5010 TRANSFER\_FAIL

* Asset transfer fail.

### -5011 FUTURE\_ACCT\_NOT\_EXIST

* future account not exists.

### -5012 TRANSFER\_PENDING

* Asset transfer is in pending.

### -5021 PARENT\_SUB\_HAVE\_NO\_RELATION

* This parent sub have no relation

### -5012 FUTURE\_ACCT\_OR\_SUBRELATION\_NOT\_EXIST

* future account or sub relation not exists.

## 6XXX - Savings Issues

### -6001 DAILY\_PRODUCT\_NOT\_EXIST

* Daily product not exists.

### -6003 DAILY\_PRODUCT\_NOT\_ACCESSIBLE

* Product not exist or you don't have permission

### -6004 DAILY\_PRODUCT\_NOT\_PURCHASABLE

* Product not in purchase status

### -6005 DAILY\_LOWER\_THAN\_MIN\_PURCHASE\_LIMIT

* Smaller than min purchase limit

### -6006 DAILY\_REDEEM\_AMOUNT\_ERROR

* Redeem amount error

### -6007 DAILY\_REDEEM\_TIME\_ERROR

* Not in redeem time

### -6008 DAILY\_PRODUCT\_NOT\_REDEEMABLE

* Product not in redeem status

### -6009 REQUEST\_FREQUENCY\_TOO\_HIGH

* Request frequency too high

### -6011 EXCEEDED\_USER\_PURCHASE\_LIMIT

* Exceeding the maximum num allowed to purchase per user

### -6012 BALANCE\_NOT\_ENOUGH

* Balance not enough

### -6013 PURCHASING\_FAILED

* Purchasing failed

### -6014 UPDATE\_FAILED

* Exceed up-limit allowed to purchased

### -6015 EMPTY\_REQUEST\_BODY

* Empty request body

### -6016 PARAMS\_ERR

* Parameter err

### -6017 NOT\_IN\_WHITELIST

* Not in whitelist

### -6018 ASSET\_NOT\_ENOUGH

* Asset not enough

### -6019 PENDING

* Need confirm

### -6020 PROJECT\_NOT\_EXISTS

* Project not exists

## 70xx - Futures

### -7001 FUTURES\_BAD\_DATE\_RANGE

* Date range is not supported.

### -7002 FUTURES\_BAD\_TYPE

* Data request type is not supported.

## 20xxx - Futures/Spot Algo

### -20121

* Invalid symbol.

### -20124

* Invalid algo id or it has been completed.

### -20130

* Invalid data sent for a parameter.

### -20132

* The client algo id is duplicated.

### -20194

* Duration is too short to execute all required quantity.

### -20195

* The total size is too small.

### -20196

* The total size is too large.

### -20198

* Reach the max open orders allowed.

### -20204

* The notional of USD is less or more than the limit.

## Filter failures

| **Error message** | **Description** |
| --- | --- |
| "Filter failure: PRICE\_FILTER" | price is too high, too low, and/or not following the tick size rule for the symbol. |
| "Filter failure: PERCENT\_PRICE" | price is X% too high or X% too low from the average weighted price over the last Y minutes. |
| "Filter failure: PERCENT\_PRICE\_BY\_SIDE" | price is X% too high or Y% too low from the lastPrice on that side (i.e. BUY/SELL) |
| "Filter failure: LOT\_SIZE" | quantity is too high, too low, and/or not following the step size rule for the symbol. |
| "Filter failure: MIN\_NOTIONAL" | price \* quantity is too low to be a valid order for the symbol. |
| "Filter failure: ICEBERG\_PARTS" | ICEBERG order would break into too many parts; icebergQty is too small. |
| "Filter failure: MARKET\_LOT\_SIZE" | MARKET order's quantity is too high, too low, and/or not following the step size rule for the symbol. |
| "Filter failure: MAX\_POSITION" | The account's position has reached the maximum defined limit.   This is composed of the sum of the balance of the base asset, and the sum of the quantity of all open BUYorders. |
| "Filter failure: MAX\_NUM\_ORDERS" | Account has too many open orders on the symbol. |
| "Filter failure: MAX\_NUM\_ALGO\_ORDERS" | Account has too many open stop loss and/or take profit orders on the symbol. |
| "Filter failure: MAX\_NUM\_ICEBERG\_ORDERS" | Account has too many open iceberg orders on the symbol. |
| "Filter failure: TRAILING\_DELTA" | trailingDelta is not within the defined range of the filter for that order type. |
| "Filter failure: EXCHANGE\_MAX\_NUM\_ORDERS" | Account has too many open orders on the exchange. |
| "Filter failure: EXCHANGE\_MAX\_NUM\_ALGO\_ORDERS" | Account has too many open stop loss and/or take profit orders on the exchange. |

## 10xxx - Crypto Loans

### -10001 SYSTEM\_MAINTENANCE

* The system is under maintenance, please try again later.

### -10002 INVALID\_INPUT

* Invalid input parameters.

### -10005 NO\_RECORDS

* No records found.

### -10007 COIN\_NOT\_LOANABLE

* This coin is not loanable.

### -10008 COIN\_NOT\_LOANABLE

* This coin is not loanable

### -10009 COIN\_NOT\_COLLATERAL

* This coin can not be used as collateral.

### -10010 COIN\_NOT\_COLLATERAL

* This coin can not be used as collateral.

### -10011 INSUFFICIENT\_ASSET

* Insufficient spot assets.

### -10012 INVALID\_AMOUNT

* Invalid repayment amount.

### -10013 INSUFFICIENT\_AMOUNT

* Insufficient collateral amount.

### -10015 DEDUCTION\_FAILED

* Collateral deduction failed.

### -10016 LOAN\_FAILED

* Failed to provide loan.

### -10017 REPAY\_EXCEED\_DEBT

* Repayment amount exceeds debt.

### -10018 INVALID\_AMOUNT

* Invalid repayment amount.

### -10019 CONFIG\_NOT\_EXIST

* Configuration does not exists.

### -10020 UID\_NOT\_EXIST

* User ID does not exist.

### -10021 ORDER\_NOT\_EXIST

* Order does not exist.

### -10022 INVALID\_AMOUNT

* Invalid adjustment amount.

### -10023 ADJUST\_LTV\_FAILED

* Failed to adjust LTV.

### -10024 ADJUST\_LTV\_NOT\_SUPPORTED

* LTV adjustment not supported.

### -10025 REPAY\_FAILED

* Repayment failed.

### -10026 INVALID\_PARAMETER

* Invalid parameter.

### -10028 INVALID\_PARAMETER

* Invalid parameter.

### -10029 AMOUNT\_TOO\_SMALL

* Loan amount is too small.

### -10030 AMOUNT\_TOO\_LARGE

* Loan amount is too much.

### -10031 QUOTA\_REACHED

* Individual loan quota reached.

### -10032 REPAY\_NOT\_AVAILABLE

* Repayment is temporarily unavailable.

### -10034 REPAY\_NOT\_AVAILABLE

* Repay with collateral is not available currently, please try to repay with borrowed coin.

### -10039 AMOUNT\_TOO\_SMALL

* Repayment amount is too small.

### -10040 AMOUNT\_TOO\_LARGE

* Repayment amount is too large.

### -10041 INSUFFICIENT\_AMOUNT

* Due to high demand, there are currently insufficient loanable assets for {0}. Please adjust your borrow amount or try again tomorrow.

### -10042 ASSET\_NOT\_SUPPORTED

* asset %s is not supported

### -10043 ASSET\_NOT\_SUPPORTED

* {0} borrowing is currently not supported.

### -10044 QUOTA\_REACHED

* Collateral amount has reached the limit. Please reduce your collateral amount or try with other collaterals.

### -10045 COLLTERAL\_REPAY\_NOT\_SUPPORTED

* The loan coin does not support collateral repayment. Please try again later.

### -10046 EXCEED\_MAX\_ADJUSTMENT

* Collateral Adjustment exceeds the maximum limit. Please try again.

### -10047 REGION\_NOT\_SUPPORTED

* This coin is currently not supported in your location due to local regulations.

## 18xxx - Binance Code

### -18002

* The total amount of codes you created has exceeded the 24-hour limit, please try again after UTC 0

### -18003

* Too many codes created in 24 hours, please try again after UTC 0

### -18004

* Too many invalid redeem attempts in 24 hours, please try again after UTC 0

### -18005

* Too many invalid verify attempts, please try later

### -18006

* The amount is too small, please re-enter

### -18007

* This token is not currently supported, please re-enter

## 21xxx - Portfolio Margin Account

### -21001 USER\_IS\_NOT\_UNIACCOUNT

* Request ID is not a Portfolio Margin Account.

### -21002 UNI\_ACCOUNT\_CANT\_TRANSFER\_FUTURE

* Portfolio Margin Account doesn't support transfer from margin to futures.

### -21003 NET\_ASSET\_MUST\_LTE\_RATIO

* Fail to retrieve margin assets.

### -21004 USER\_NO\_LIABILITY

* User doesn’t have portfolio margin bankruptcy loan

### -21005 NO\_ENOUGH\_ASSET

* User’s spot wallet doesn’t have enough BUSD to repay portfolio margin bankruptcy loan

### -21006 HAD\_IN\_PROCESS\_REPAY

* User had portfolio margin bankruptcy loan repayment in process

### -21007 IN\_FORCE\_LIQUIDATION

* User failed to repay portfolio margin bankruptcy loan since liquidation was in process

## Order Rejection Issues

Error messages like these are indicated when the error is coming specifically from the matching engine:

* -1010 ERROR\_MSG\_RECEIVED
* -2010 NEW\_ORDER\_REJECTED
* -2011 CANCEL\_REJECTED

The following messages which will indicate the specific error:

| **Error message** | **Description** |
| --- | --- |
| "Unknown order sent." | The order (by either orderId, clientOrderId, origClientOrderId) could not be found. |
| "Duplicate order sent." | The clientOrderId is already in use. |
| "Market is closed." | The symbol is not trading. |
| "Account has insufficient balance for requested action." | Not enough funds to complete the action. |
| "Market orders are not supported for this symbol." | MARKET is not enabled on the symbol. |
| "Iceberg orders are not supported for this symbol." | icebergQty is not enabled on the symbol |
| "Stop loss orders are not supported for this symbol." | STOP\_LOSS is not enabled on the symbol |
| "Stop loss limit orders are not supported for this symbol." | STOP\_LOSS\_LIMIT is not enabled on the symbol |
| "Take profit orders are not supported for this symbol." | TAKE\_PROFIT is not enabled on the symbol |
| "Take profit limit orders are not supported for this symbol." | TAKE\_PROFIT\_LIMIT is not enabled on the symbol |
| "Price \* QTY is zero or less." | price \* quantity is too low |
| "IcebergQty exceeds QTY." | icebergQty must be less than the order quantity |
| "This action is disabled on this account." | Contact customer support; some actions have been disabled on the account. |
| "This account may not place or cancel orders." | Contact customer support; the account has trading ability disabled. |
| "Unsupported order combination" | The orderType, timeInForce, stopPrice, and/or icebergQty combination isn't allowed. |
| "Order would trigger immediately." | The order's stop price is not valid when compared to the last traded price. |
| "Cancel order is invalid. Check origClientOrderId and orderId." | No origClientOrderId or orderId was sent in. |
| "Order would immediately match and take." | LIMIT\_MAKER order type would immediately match and trade, and not be a pure maker order. |
| "The relationship of the prices for the orders is not correct." | The prices set in the OCO is breaking the Price restrictions.  For reference:  BUY : LIMIT\_MAKER price < Last Traded Price < stopPrice  SELL : LIMIT\_MAKER price > Last Traded Price > stopPrice |
| "OCO orders are not supported for this symbol" | OCO is not enabled on the symbol. |
| "Quote order qty market orders are not support for this symbol." | MARKET orders using the parameter quoteOrderQty are not enabled on this symbol. |
| "Trailing stop orders are not supported for this symbol." | Orders using trailingDelta are not enabled on the symbol. |
| "Order cancel-replace is not supported for this symbol." | POST /api/v3/order/cancelReplace (REST API) or order.cancelReplace (WebSocket API) is on enabled the symbol. |
| "This symbol is not permitted for this account." | Account and symbol do not have the same permissions. (e.g. SPOT, MARGIN, etc) |
| "This symbol is restricted for this account." | Account is unable to trade on that symbol. (e.g. An ISOLATED\_MARGIN account cannot place SPOT orders.) |
| "Order was not canceled due to cancel restrictions." | Either cancelRestrictions was set to ONLY\_NEW but the order status was not NEW  or  cancelRestrictions was set to ONLY\_PARTIALLY\_FILLED but the order status was not PARTIALLY\_FILLED. |
| "Rest API trading is not enabled." / "WebSocket API trading is not enabled." | Order is being placed or a server that is not configured to allow access to TRADE endpoints. |
| "Order book liquidity is less than LOT\_SIZE filter minimum quantity." | Quote quantity market orders cannot be placed when the order book liquidity is less than minimum quantity configured for the LOT\_SIZE filter. |
| "Order book liquidity is less than MARKET\_LOT\_SIZE filter minimum quantity." | Quote quantity market orders cannot be placed when the order book liquidity is less than the minimum quantity for MARKET\_LOT\_SIZE filter. |
| "Order book liquidity is less than symbol minimum quantity." | Quote quantity market orders cannot be placed when there are no orders on the book. |

## Errors regarding POST /api/v3/order/cancelReplace

### -2021 Order cancel-replace partially failed

This code is sent when either the cancellation of the order failed or the new order placement failed but not both.

### -2022 Order cancel-replace failed.

This code is sent when both the cancellation of the order failed and the new order placement failed.

# Notes

## Request Parameters

### Email Address

* Email address should be encoded. e.g. alice@test.com should be encoded into alice%40test.com
* Email address should be in lower case.

