🏠   ◼   Spot Websocket API v2   ◼   User Data   ◼   Balances

Balances

CHANNEL   `wss://ws-auth.kraken.com/v2` `balances`   *Authentication Required*

The `balances` channel streams client asset balances and transactions from the account ledger.

This channel contains account specific data, an authentication token is required in the request.

Subscribe Request

Subscribe Schema   **Subscribe Ack Schema**   **Example: Subscribe**   **Example: Subscribe Ack**

MESSAGE BODY

method string   **REQUIRED**

Value: `subscribe`

params object

channel string   **REQUIRED**

Value: `balances`

snapshot boolean

Possible values: [`true` , `false`]

Default value: `true`

Request a snapshot after subscribing.

token string   **REQUIRED**

This is a authenticated channel, a session token is required. See guides on how to generate a token via REST.

req_id integer

Optional client originated request identifier sent as acknowledgment in the response.

Snapshot Response

The snapshot provides the value of each asset held in this account.

Snapshot Schema   Example: Snapshot

MESSAGE BODY

├─ **channel** string

   Value: `balances`

├─ **type** string

   Value: `snapshot`

├─ **data** array [

   A list of assets held on account.

   ├─ `[many] asset` object

     ├─ **asset** string
       The asset symbol code.

     ├─ **asset_class** string
       Value: `currency`
       The asset class. A placeholder for future expansion.

     ├─ **balance** float
       The total amount of asset held across all wallet types.

     ├─ **wallets** array [
       A list of wallets for each asset.

       ├─ `[many] wallet` object

         ├─ **balance** float
           Balance of asset in wallet.

         ├─ **type** string
           Possible values: [`spot` , `earn`]
           Wallet type.

         ├─ **id** string
           Possible values: [`main` , `flex` , `bonded` , `flexible` , `liquid` , `locked` , `closed`]
           Wallet identifier.

```
        ]

    ]
```

Update Response

An update will be streamed on each completed transaction to the client account.

Update Schema   Example: Deposit Update   Example: Trade Update

MESSAGE BODY

— **channel** string

  Value: `balances`

— **type** string

  Value: `update`

— **data** array [

  A list of account ledger transactions for each asset.

  — [many] `ledger_transaction` object

    — **asset** string

      The asset symbol code.

    — **asset_class** string

      Value: `currency`

      The asset class. A placeholder for future expansion.

    — **amount** float

      The amount of asset change in this event.

    — **balance** float

      The total amount of this asset held in account.

    — **fee** float

      The fee paid on the transaction.

    — **ledger_id** string

      The identifier for this account ledger entry.

    — **ref_id** string

A reference identifier in the context of this balance event. For example, `ref_id` will be the `trade_id` for a trade event.

timestamp string

Format: RFC3339

Example: 2022-12-25T09:30:59.123456Z

The time of the balance change.

type string

Possible values: [`deposit` , `withdrawal` , `trade` , `margin` , `adjustment` , `rollover` , `credit` , `transfer` , `settled` , `staking` , `sale` , `reserve` , `conversion` , `dividend` , `reward` , `creator_fee`]

The broad type of the balance event.

subtype string

Possible values: [`spotfromfutures` , `spottofutures` , `stakingfromspot` , `spotfromstaking` , `stakingtospot` , `spottostaking`]

The specific subtype of the balance event.

category string

Possible values: [`deposit` , `withdrawal` , `trade` , `margin-trade` , `margin-settle` , `margin-conversion` , `conversion` , `credit` , `marginrollover` , `staking-rewards` , `instant` , `equity-trade` , `airdrop` , `equity-dividend` , `reward-bonus` , `nft` , `block-trade`]

The categorization of the balance event.

wallet_type string

Possible values: [`spot` , `earn`]

Wallet type.

wallet_id string

Possible values: [`main` , `bonded` , `flexible` , `liquid` , `locked`]

The following combinations of wallet types and wallet identifiers are available:

Wallet type `spot` :

- `main` : Primary spot pairs trading wallet.

Wallet type `earn` :

- `bonded` : earn on-chain product with lockup period.

- `flexible` : earn product without lockup period.
- `liquid` : kraken rewards program, see support center.
- `locked` : earn product (may or may not have a lockup period).

]

Unsubscribe Request

Unsubscribe Schema   Unsubscribe Ack Schema   Example: Unsubscribe   Example: Unsubscribe Ack

MESSAGE BODY

method string ————————————————————————————————— **REQUIRED**

Value: `unsubscribe`

params object

    channel string ——————————————————————————— **REQUIRED**

    Value: `balances`

    token string ——————————————————————————— **REQUIRED**

    This is a authenticated channel, a session token is required. See guides on how to generate a token via REST.

req_id integer

Optional client originated request identifier sent as acknowledgment in the response.