

# Add Order

REQUEST `wss://ws-auth.kraken.com/v2` `add_order`

Authentication Required

Sends a single, new order into the exchange. A range of order types, Time-In-Force (TIF) and order flags can be specified by the parameters below.

For triggered order types (`stop-loss`, `take-profit`, `trailing-stop`), the `triggers` section contains the parameters for price tracking and trigger thresholds.

For One-Triggers-Other (OTO) orders, the `conditional` section contains the parameters to add a secondary close order to the primary order.

## Request

Request Schema

Example: Limit

Example: Stop Loss

Example: OTO

### MESSAGE BODY

method string

REQUIRED

Value: add\_order

params object

order\_type string

REQUIRED

Possible values: [limit, market, iceberg, stop-loss, stop-loss-limit, take-profit, take-profit-limit, trailing-stop, trailing-stop-limit, settle-position]

The execution model of the order.

- market: The full order quantity executes immediately at the best available price in the order book.
- limit: The full order quantity is placed immediately with a limit price restriction to only trade at this price or better.
- stop-loss: A market order is triggered when the reference price reaches the stop price (from an unfavourable direction).
- stop-loss-limit: A limit order is triggered when the reference price reaches the stop price (from an unfavourable direction).

- `take-profit`: A market order is triggered when the reference price reaches the stop price (from an favourable direction).
- `take-profit-limit`: A limit order is triggered when the reference price reaches the stop price (from an favourable direction).
- `trailing-stop`: A market order is triggered when the market reverts a specified distance from the peak price.
- `trailing-stop-limit`: A limit order is triggered when the market reverts a specified distance from the peak price.
- `iceberg`: Hides the full order size by only showing your chosen display size in the book at your limit price.

**side** string REQUIRED

Possible values: [ `buy`, `sell` ]

Side of the order.

**order\_qty** float REQUIRED

Order quantity in terms of the base asset.

**symbol** string REQUIRED

Example: "BTC/USD"

The symbol of the currency pair.

**limit\_price** float

Limit price for order types that support limit price restriction.

**limit\_price\_type** string CONDITIONAL

Condition: Only available on trailing-stop-limit orders.

Possible values: [ `static`, `pct`, `quote` ]

Default value: `quote`

The units for the limit price.

- `static`: a static market price for the asset, i.e. 30000 for BTC/USD.
- `pct`: a percentage offset from the reference price, i.e. -10% from index price.
- `quote`: a notional offset from the reference price in the quote currency, i.e. 150 BTC/USD from last price

Note, for `trailing-stop-limit` order type, the value represents offset from the trigger price. 0 would set a limit price the same as the trigger price.

**triggers** object CONDITIONAL

**Condition:** Required for triggered order types only.

The parameters for setting the trigger price conditions.

#### — **reference** string

**Possible values:** [ `index` , `last` ]

**Default value:** `last`

The reference price to track for triggering orders.

- `index`: the index price in the broader market (for this pair). Note, to keep triggers serviceable during connectivity issues with external index feeds, the last price will be used as the reference price.
- `last`: the last traded price in the Kraken order book (for this pair).

#### — **price** float **REQUIRED**

Specifies the amount for the trigger price - it supports both static market prices and relative prices. This field is used in combination with the `price_type` field below to determine the effective trigger price.

##### **Examples:**

- To trigger at 29000.5 BTC/USD, use price=29000.5, price\_type=static.
- To trigger when price rises by 5%, use price=5, price\_type=pct.
- To trigger when price drops by 150 USD, use price=-150, price\_type=quote.

#### — **price\_type** string

**Possible values:** [ `static` , `pct` , `quote` ]

**Default value:** `static`

The units for the trigger price.

- `static`: a static market price for the asset, i.e. 30000 for BTC/USD.
- `pct`: a percentage offset from the reference price, i.e. -10% from index price.
- `quote`: a notional offset from the reference price in the quote currency, i.e. 150 BTC/USD from last price

Note, for `trailing-stop` and `trailing-stop-limit` order types, the price represents the reversion from the peak. It is always a positive value with `pct` or `quote` offset.

#### — **time\_in\_force** string

**Possible values:** [ `gtc` , `gtd` , `ioc` ]

**Default value:** `gtc`

Time-in-force specifies how long an order remains in effect before being expired.

- `gtc` : Good Till Canceled - until user has cancelled.
- `gtd` : Good Till Date - until `expire_time` parameter.
- `ioc` : Immediate Or Cancel - immediately cancels back any quantity that cannot be filled on arrival.

— **margin** boolean

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

**Default value:** `false`

Funds the order on margin using the maximum leverage for the pair (maximum is leverage of 5).

— **post\_only** boolean ————— **CONDITIONAL**

**Condition:** Orders with limit price only.

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

**Default value:** `false`

Cancels the order if it will take liquidity on arrival. Post only orders will always be posted passively in the book.

— **reduce\_only** boolean

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

**Default value:** `false`

Reduces an existing margin position without opening an opposite long or short position worth more than the current value of your leveraged assets.

— **effective\_time** string

**Format:** RFC3339

**Example:** 2022-12-25T09:30:59Z

Scheduled start time (precision to seconds).

— **expire\_time** string ————— **CONDITIONAL**

**Condition:** GTD orders only.

**Format:** RFC3339

**Example:** 2022-12-25T09:30:59Z

Expiration time of the order (precision to seconds). GTD orders can have an expiry time up to one month in future.

— **deadline** string

**Format:** RFC3339

**Example:** 2022-12-25T09:30:59.123Z

Range of valid offsets (from current time) is 500 milliseconds to 60 seconds, default is 5 seconds. The precision of this parameter is to the millisecond. The engine will prevent this order from matching after this time, it provides protection against latency on time sensitive orders.

#### **cl\_ord\_id** string

Adds a alphanumeric client order identifier which uniquely identifies an open order for each client. This field is mutually exclusive with `order_userref` parameter.

The `cl_ord_id` parameter can be one of the following formats:

- Long UUID: `6d1b345e-2821-40e2-ad83-4ecb18a06876` 32 hex characters separated with 4 dashes.
- Short UUID: `da8e4ad59b78481c93e589746b0cf91f` 32 hex characters with no dashes.
- Free text: `arb-20240509-00010` Free format ascii text up to 18 characters.

#### **order\_userref** integer

This is an optional non-unique, numeric identifier which can associated with a number of orders by the client. This field is mutually exclusive with `cl_ord_id` parameter.

Many clients choose a unique integer value generated by their systems (i.e. a timestamp). However, because we don't enforce uniqueness on our side, it can also be used to easily tag a group of orders for querying or cancelling.

#### **conditional** object

The conditional parameters are used as a template for generating the secondary close orders when the primary order fills. Each fill on the primary order will generate a new secondary order. The size of the secondary order will be the same size as the executed quantity and have the opposite side.

#### **order\_type** string

**Possible values:** [`limit`, `stop-loss`, `stop-loss-limit`, `take-profit`, `take-profit-limit`, `trailing-stop`, `trailing-stop-limit`]

Defines the order type of the secondary close orders which will be created on each fill.

#### **limit\_price** float

Defines the limit price on the secondary close orders. Only required on secondary order types that support limit price: `limit`, `stop-loss-limit`, `take-profit-limit`.

**limit\_price\_type** string

CONDITIONAL

**Condition:** Only available on trailing-stop-limit orders.

**Possible values:** [`static`, `pct`, `quote`]

**Default value:** `quote`

The units for the limit price on the secondary order.

- `static`: a static market price for the asset, i.e. 30000 for BTC/USD.
- `pct`: a percentage offset from the reference price, i.e. -10% from index price.
- `quote`: a notional offset from the reference price in the quote currency, i.e. 150 BTC/USD from last price

Note, for `trailing-stop-limit` order type, the value represents offset from the trigger price. 0 would set a limit price the same as the trigger price.

**trigger\_price** float

Specifies the amount for the trigger price - it supports both static market prices and relative prices. This field is used in combination with the `price_type` field below to determine the effective trigger price.

**Examples:**

- To trigger at 29000.5 BTC/USD, use `price=29000.5`, `price_type=static`.
- To trigger when price rises by 5%, use `price=5`, `price_type=pct`.
- To trigger when price drops by 150 USD, use `price=-150`, `price_type=quote`.

Note, for `trailing-stop` and `trailing-stop-limit` order types, the price represents the reversion from the peak. It is always a positive offset value.

**trigger\_price\_type** string

**Possible values:** [`static`, `pct`, `quote`]

**Default value:** `static`

The units for the trigger price.

- `static`: a static market price for the asset, i.e. 30000 for BTC/USD.
- `pct`: a percentage offset from the reference price, i.e. -10% from index price.

- `quote`: a notional offset from the reference price in the quote currency, i.e, 150 BTC/USD from last price

— **stop\_price** float

DEPRECATED

**Deprecated Usage:** Use `trigger_price`

Defines the trigger price on the secondary close orders. Only required on triggered secondary order types: `stop-loss`, `stop-loss-limit`, `take-profit`, `take-profit-limit`.

— **display\_qty** float

CONDITIONAL

**Condition:** iceberg orders only.

Defines the quantity to show in the book while the rest of order quantity remains hidden.

Minimum value is 1 / 15 of `order_qty`.

— **fee\_preference** string

**Possible values:** [`base`, `quote`]

Fee preference base or quote currency. `quote` is the default for buy orders, `base` is the default for sell orders.

— **no\_mpp** boolean

CONDITIONAL

**Condition:** Market orders only.

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

**Default value:** `false`

Disables Market Price Protection (MPP) if set to `true`. MPP is a feature that protects market orders from filling at a bad price due to price slippage in an illiquid or volatile market. See [MPP support article](#).

— **stp\_type** string

**Possible values:** [`cancel_newest`, `cancel_oldest`, `cancel_both`]

**Default value:** `cancel_newest`

Self Trade Prevention (STP) is a protection feature to prevent users from inadvertently or deliberately trading against themselves. To prevent a self-match, one of the following STP modes can be used to define which order(s) will be expired:

- `cancel_newest`: arriving order will be canceled.
- `cancel_oldest`: resting order will be canceled.
- `cancel_both`: both arriving and resting orders will be canceled.

**cash\_order\_qty** float CONDITIONAL

**Condition:** Buy market orders without margin funding.

Order volume expressed in quote currency.

**validate** boolean

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

**Default value:** `false`

If set to `true` the order will be validated only, it will not trade in the matching engine.

**sender\_sub\_id** string CONDITIONAL

**Condition:** For institutional accounts with enhanced Self Trade Prevention (STP)

Adds a alphanumeric sub-account/trader identifier which enables STP to be performed at a more granular level.

The `sender_sub_id` parameter can be one of the following formats:

- Long UUID: `6d1b345e-2821-40e2-ad83-4ecb18a06876` 32 hex characters separated with 4 dashes.
- Short UUID: `da8e4ad59b78481c93e589746b0cf91f` 32 hex characters with no dashes.
- Free text: `arb-20240509-00010` Free format ascii text up to 18 characters.

**stop\_price** float DEPRECATED

**Deprecated Usage:** Use 'triggers' object.

The stop price for trigger order types.

**trigger** string DEPRECATED

**Deprecated Usage:** Use 'triggers' object.

**Possible values:** [ `last`, `index` ]

**Default value:** `last`

The reference price to trigger the order.

- `index`: the index price for the broader market for this symbol.
- `last`: the last traded price in the order book for this symbol.

**token** string REQUIRED

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

integer



req\_id

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

# Response

Response Schema      Example

MESSAGE BODY

method string

Value: `add_order`

result object CONDITIONAL

Condition: On successful requests only

order\_id string

Unique order identifier generated by Kraken.

cl\_ord\_id string

An optional, alphanumeric identifier specified by the client in the `add_order` parameters.

order\_userref integer

An optional non-unique, numeric identifier specified by the client in the `add_order` parameters.

warnings array of strings

An advisory message, highlighting deprecated fields or upcoming changes to the request.

error string CONDITIONAL

Condition: On unsuccessful requests only

The error message for a rejected request.

success boolean

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

Indicates if the request was successfully processed by the engine.

req\_id integer

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

time\_in string

Format: RFC3339

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

The timestamp when the request was received on the wire, just prior to parsing data.

**time\_out** string

**Format:** RFC3339

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

The timestamp when the response was sent on the wire, just prior to transmitting data.