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Ticker (Level 1)

CHANNEL `wss://ws.kraken.com/v2` `ticker`

The `ticker` channel streams level 1 market data, i.e. top of the book (best bid/offer) and recent trade data.

The feed accepts a list symbols for subscription and the updates are generated on trade events.

Subscribe Request

[Subscribe Schema](#)[Subscribe Ack Schema](#)[Example: Subscribe](#)[Example: Subscribe Ack](#)

MESSAGE BODY

method	string	REQUIRED
Value:	<code>subscribe</code>	
params	object	
channel	string	REQUIRED
Value:	<code>ticker</code>	
symbol	array of strings	REQUIRED
Example:	<code>["BTC/USD", "MATIC/GBP"]</code>	
	A list of currency pairs.	
event_trigger	string	
Possible values:	<code>bbo</code> , <code>trades</code>	
Default value:	<code>trades</code>	
	The book event that causes a new ticker update to be published on the channel.	
	<ul style="list-style-type: none"><code>bbo</code>: on a change in the best-bid-offer price levels.<code>trades</code>: on every trade.	
snapshot	boolean	
Possible values:	<code>true</code> , <code>false</code>	

Default value: `true`

Request a snapshot after subscribing.

`req_id` integer

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

Snapshot / Update Response

The snapshot and update responses share the same schema. An update message is streamed on a trade event.

[Snapshot / Update Schema](#)

[Example: Snapshot](#)

[Example: Update](#)

MESSAGE BODY

`channel` string

Value: `ticker`

`type` string

Possible values: [`snapshot`, `update`]

`data` array [

[0] `ticker` object

The ticker element is always the first and only item in the data payload.

`ask` float

Best ask price.

`ask_qty` float

Best ask quantity.

`bid` float

Best bid price.

`bid_qty` float

Best bid quantity.

`change` float

24-hour price change (in quote currency).

change_pct float

24-hour price change (in percentage points).

high float

24-hour highest trade price.

last float

Last traded price (only guaranteed if traded within the past 24 hours).

low float

24-hour lowest trade price.

symbol string

Example: "BTC/USD"

The symbol of the currency pair.

volume float

24-hour traded volume (in base currency terms).

vwap float

24-hour volume weighted average price.

]

Unsubscribe Request

Unsubscribe Schema

Unsubscribe Ack Schema

Example: Unsubscribe

Example: Unsubscribe Ack

MESSAGE BODY

method string

REQUIRED

Value: **params** object**channel** string

REQUIRED

Value: **symbol** array of strings

REQUIRED

Example: ["BTC/USD", "MATIC/GBP"]

A list of currency pairs.

event_trigger stringPossible values: [,]

Default value: `trades`

The book event that causes a new ticker update to be published on the channel.

- `bbo`: on a change in the best-bid-offer price levels.
- `trades`: on every trade.

req_id integer

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