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Instruments

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

The `instrument` channel provides a stream of reference data of all active assets and tradeable pairs.

It provides the symbol identifiers, precisions, trading parameters and rules.

Subscribe Request

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

MESSAGE BODY

method string ─── **REQUIRED**

Value: `subscribe`

params object

  channel string ────────────────────────────────── **REQUIRED**

  Value: `instrument`

  snapshot boolean

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

  Request a snapshot after subscribing.

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

Snapshot / Update Responses

The snapshot and update responses share the same schema.

Snapshot / Update Schema   Example: Snapshot   Example: Update

MESSAGE BODY

channel string

Value: `instrument`

type string

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

data object

assets array [

A list of assets.

[many] `asset` object

borrowable boolean

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

Flag if asset is borrowable.

collateral_value float

Valuation as margin collateral (if applicable).

id string

Asset identifier.

margin_rate float

Interest rate to borrow the asset.

precision integer

Maximum precision for asset ledger, balances.

precision_display integer

Recommended display precision.

status string

Possible values: [`depositonly` , `disabled` , `enabled` , `fundingtemporarilydisabled` , `withdrawalonly` , `workinprogress`]

Status of asset.

]

pairs array [

A list of pairs.

[many] `pair` object

base string

Asset identifier of the base currency.

quote string

Asset identifier of the quote currency.

cost_min string

Minimum cost (price * qty) for new orders.

cost_precision integer

Maximum precision used for cost prices.

has_index boolean

Whether the pair has an index available for example stop-loss triggers.

margin_initial float

Initial margin requirement (in percent, if marginable).

marginable boolean

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

Whether the pair can be traded on margin.

position_limit_long integer

Limit for long positions (marginable pairs).

position_limit_short integer

Limit for short positions (marginable pairs).

price_increment float

Minimum price increment for new orders.

price_precision integer

Maximum precision used for order prices.

qty_increment float

Minimum quantity increment for new orders.

qty_min float

Minimum quantity (in base currency) for new orders.

qty_precision integer

Maximum precision used for order quantities.

status string

Possible values: [`cancel_only` , `delisted` , `limit_only` , `maintenance` , `online` , `post_only` , `reduce_only` , `work_in_progress`]

Status of pair.

  symbol string

  Example: "BTC/USD"

  The symbol of the currency pair.

  ~~tick_size~~ float   DEPRECATED

  Deprecated Usage: Use 'price_increment'.

  Minimum price increment for new orders.

  ]

Unsubscribe Request

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

MESSAGE BODY

method string   REQUIRED

  Value: `unsubscribe`

params object

  channel string   REQUIRED

    Value: `instrument`

req_id integer

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