Kaiko

MIGRATION GUIDE

Derivative Liquidations

Amberdata → Kaiko

2026

www.kaiko.com

1 At a glance

What this endpoint gives you. Every forced liquidation on one derivatives instrument on one exchange, over a date range you choose: when it happened, its price and size, and which side of the position was liquidated. On Kaiko each event also carries its value in the quote currency and in USD.

What changes for you

- **One Kaiko endpoint replaces two Amberdata endpoints.** Futures and options liquidations use the same path; the market is a path segment (`instrument_class` , see §3).
- **Futures are split in two.** Amberdata's futures endpoint covers dated and perpetual futures; Kaiko separates them into `future` and `perpetual-future` .
- **Options history currently starts on 4 November 2026.** Kaiko's liquidation coverage was limited to futures and perpetual futures until it was recently extended to Deribit options. Earlier options events are not available on Kaiko yet (§7).
- **No dates means all history, not the last 24 hours.** Without `start_time` / `end_time` , Amberdata returns the previous 24 hours; Kaiko returns the full available history, newest first, one page at a time.
- **Default sort order is reversed.** Amberdata returns oldest first; Kaiko returns **newest first** unless you set `sort=asc` . Sorting also works on any date range, not only the last 24 hours.
- **No window cap per request.** Amberdata limits a request to 731 days (futures) or 365 days (options); on Kaiko you follow `next_url` through the pages instead.
- **One exchange per call.** Amberdata's options endpoint accepts a comma-separated list of exchanges; on Kaiko the exchange is in the path.
- **Same events, same IDs.** Timestamp, price, size and ID match Amberdata for the same liquidation: Amberdata's `orderId` is Kaiko's `trade_id` (§8).
- **The liquidated position is given directly.** Amberdata's `side` is a trade direction, and on Deribit it is the taker's, whoever was liquidated. Kaiko's `position_side` tells you whether a `long` or a `short` was liquidated, for futures and options alike (§5).
- **Fewer order fields, more value fields.** Order details such as `side` , `status` and `type` are dropped; Kaiko adds `amount_quote` , `amount_usd` and the conversion `rate` . Options mark and index prices move to the Ticker endpoint (§5).

Coverage & distribution

Data type: Derivative liquidation events

Markets: Futures, perpetual futures, options

Options venue: Deribit (`drbt`), history from 4 November 2026

Granularity: Tick level, one record per liquidation

Distribution: REST API

Kaiko package: Add-on to Level 1 & Level 2 Data (Level 1 Tick-Level, Level 2 Aggregations or Level 2 Tick-Level), market type “CeFi Derivatives”

2 Endpoint & authentication

	Amberdata (today)	Kaiko (new)
Method	GET	GET
Base URL	`https://api.amberdata.com`	`https://{region}.market-api.kaiko.io` `region: us or eu`
Path	`/markets/futures/liquidations/{instrument}` `/markets/options/liquidations/{instrument}`	`/v2/data/liquidation.v1/trades/{exchange}/{instrument_class}/{instrument}`
Auth	API key header `x-api-key`	API key header `x-api-key` (same mechanism, new key)
Encoding	`Accept-Encoding` header required	Optional, recommended (e.g. `curl --compressed`)

3 Request parameters

Amberdata param	Kaiko param	Change	Notes
`futures` / `options` (path)	`instrument_class` (path)	RENAMED	`future` for dated futures, `perpetual-future` for perpetuals, `option` for options. A perpetual requested as `future` returns no data.
`instrument` (path)	`instrument` (path)	RENAMED	Same position in the path, Kaiko instrument code (§6), e.g. `BTC-25DEC26-100000-C` → `btc25dec26100000c`.
`exchange` (query)	`exchange` (path)	RENAMED	Moves into the path, Kaiko code (§6). One exchange per call: Amberdata's options endpoint accepts a comma-separated list, so split it into one call per exchange.
`startDate` (optional)	`start_time`	RENAMED	**Inclusive** on both. Kaiko accepts ISO 8601 only (e.g. `2026-11-04T00:00:00Z`); Unix seconds or milliseconds are not accepted.
`endDate` (optional)	`end_time`	RENAMED	**Exclusive** on both. ISO 8601 only on Kaiko.
`sortDirection` (optional)	`sort`	RENAMED	`asc` or `desc`; the default flips from `asc` to `desc`. Works on any range on Kaiko (Amberdata: last 24 hours only). The long forms `ascending` / `descending` are not accepted.
`timeFormat` (optional)	—	REMOVED	Kaiko always returns Unix milliseconds. Convert on your side if you used `iso` or `hr` (the futures default).
—	`page_size`	NEW	Records per page: default `100`, maximum `1000`.

Date ranges & paging

No dates given: Amberdata returns the previous 24 hours; Kaiko returns all available history, newest first.

Maximum range: Amberdata 731 days (futures) or 365 days (options) per request; Kaiko has no cap.

Next page: follow `next_url` until it is absent or null. It already carries your `start_time` / `end_time`, so a loop over yearly windows is no longer needed.

4 Response envelope & metadata

The fields around the data, the wrapper your parser reads before reaching the numbers. This envelope is **identical on every Amberdata endpoint**.

Amberdata field	Kaiko field	Change	Notes
`status`	—	REMOVED	Read the HTTP status code of the response instead.
`title`	—	REMOVED	"OK" label, no Kaiko equivalent.
`description`	—	REMOVED	Free-text status description.
`payload.data`	`data`	RENAMED	**Array** of liquidation events (see §5), now at the top level.
`payload.metadata.next`	`next_url`	RENAMED	URL of the next page; absent or null on the last page. Also returned: `continuation_token`.
`payload.metadata.api-version`	`query.data_version`	RENAMED	`v1` instead of a date such as `2023-09-30`.
—	`query`	NEW	Echo of your request: `exchange`, `instrument`, `instrument_class`, resolved `start_time` / `end_time`, `page_size`, `sort`.
—	`answer_time`, `answer_timestamp`	NEW	When the response was produced (ISO 8601 and Unix ms).
—	`access`	NEW	`access_range`: the dates your key is entitled to; `data_range`: the dates requested. Neither shows where the data itself starts.

5 Response data fields

Exchange and instrument are no longer repeated on each record: read them from `query` (§4).

Amberdata field	Kaiko field	Change	Notes
`instrument`, `exchange`	`query.instrument` `query.exchange`	RENAMED	Once per response, as Kaiko codes.
`exchangeTimestamp`	`timestamp`	RENAMED	Unix milliseconds, from the exchange. Kaiko uses its collection time only if the exchange gives none.

Amberdata field	Kaiko field	Change	Notes
`exchangeTimestampNanoseconds`	—	REMOVED	Millisecond precision only; it is `0` on Amberdata.
`orderId`	`trade_id`	RENAMED	Despite its name, Amberdata's `orderId` holds the exchange's trade ID, which Kaiko returns as `trade_id`, so you can match stored records. On USDC-quoted Deribit options it carries a `USDC-` prefix (e.g. `USDC-126984253`). Kaiko generates one if the exchange supplies none.
`positionType` (futures)	`position_side`	RENAMED	Lower case: `long` / `short`. Kaiko also returns it for options, where Amberdata has no such field.
`side`	—	REMOVED	Use `position_side`. On Deribit, Amberdata's `side` is the **taker's** direction, but the liquidated trader can be the maker or the taker, so no fixed rule converts one into the other. A taker who sells while liquidated was `long`; if the maker was liquidated against that same sell, it bought back a `short` (§8).
`price`	`price`	IDENTICAL	In the instrument's own price currency: BTC for Deribit BTC options (`0.0007`), USDC for USDC-quoted options (`812`).
`volume`	`amount`	RENAMED	Size of the liquidation as the exchange reports it for that instrument. On some venues this is a number of contracts rather than a base-currency quantity (e.g. Deribit inverse perpetuals); use `amount_quote` for the notional value.
`unit`	—	REMOVED	Not returned; see `amount`.
`action`, `status`, `type`, `timeInForce`	—	REMOVED	Order metadata: null on options, fixed values (`FILLED`, `LIMIT`, `IOC`) on futures.
`tickDirection` (options)	—	REMOVED	Not available.
`markPrice`, `indexPrice` (options)	Ticker `mark_price`, `index_price`	RENAMED	Not on the liquidation record. Take them from the Ticker endpoint (`api.kaiko.io/market-data/tickers`, which serves history), joined on time. The Ticker takes `class` rather than `instrument_class`.
—	`amount_quote`	NEW	Notional value of the liquidation in the quote currency. For options it is based on the underlying's price, not the premium paid: 2 BTC option contracts give about 129,000.
—	`rate`	NEW	Quote-currency-to-USD rate, e.g. `0.99982` for USDC. `1` when the quote is USD.
—	`amount_usd`	NEW	`amount_quote` × `rate`. Equal to `amount_quote` only when the quote is USD; on a USDC-quoted option, 381.33 becomes 381.27.

6 Exchange & venue names

Update the venue identifiers you send and receive. On Kaiko the exchange code goes in the path.

Amberdata name	Kaiko code	Venue
`deribit`	`drbt`	Deribit (futures, perpetuals and options)

Other futures and perpetual venues: see Kaiko's CeFi derivative markets coverage page.

Instrument codes

Kaiko codes are lower case. Look up each code in Kaiko's instrument reference data, filtered on the exchange and instrument class, rather than converting names by hand.

Market	Amberdata	Kaiko
BTC option, Deribit	`BTC-25DEC26-100000-C`	`btc25dec26100000c`
USDC-quoted option, Deribit	Exchange symbol	`ethusdc25dec262700p`
Perpetual future	Exchange symbol	Reference data, class `perpetual-future` (e.g. `eth-usdt`)
Dated future	Exchange symbol	Reference data, class `future`

7 Will your values change?

Short answer

No, for the same event. Liquidations are discrete exchange events: the matched Deribit option in §8 has the same timestamp, price, size and ID on both providers. What differs is **how far back** options history goes and **how some fields are expressed**.

- **Options history.** Kaiko's options liquidations currently start on 4 November 2026. A request for an earlier window returns HTTP 200 with an empty `data` array, not an error, so an empty response before that date does not mean there were no liquidations.
- **USD values.** `amount_usd` is new. It is based on the underlying's notional value, not on the option premium, so it is not `price` × `amount`.
- **Side.** If you inferred the liquidated position from Amberdata's `side`, stop: on Deribit it is the taker's direction, and the liquidated trader may be on either side of the trade. Kaiko's `position_side` is the liquidated position itself. For options, Amberdata gave no position at all.
- **Futures split.** If you stored Amberdata futures liquidations together, request both `future` and `perpetual-future` to rebuild the same set.

8 Before / after example

Request

Amberdata

```
GET /markets/options/liquidations
    /BTC-25DEC26-100000-C
    ?exchange=deribit
    &startDate=2026-11-14
    &endDate=2026-11-15
x-api-key: <your-key>
Accept-Encoding: gzip, deflate, br
```

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```
GET /v2/data/liquidation.v1/trades
    /drbt/option/btc25dec26100000c
    ?start_time=2026-11-14T00:00:00Z
    &end_time=2026-11-15T00:00:00Z
    &sort=asc
    &page_size=1000
x-api-key: <your-key>
```

Response (real: the same Deribit liquidation on both sides)

Amberdata


```
{
  "status": 200,
  "title": "OK",
  "description": "Successful request",
  "payload": {
    "data": [ {
      "instrument": "BTC-25DEC26-100000-C",
      "exchange": "deribit",
      "exchangeTimestamp": 1794692722602,
      "exchangeTimestampNanoseconds": 0,
      "action": null,
      "orderId": "466525756",
      "side": "SELL",
      "status": null,
      "timeInForce": null,
      "type": null,
      "price": 0.0007,
      "volume": 2,
      "unit": null,
      "tickDirection": 0,
      "markPrice": 0.00055847,
      "indexPrice": 64770.66
    } ],
    "metadata": {
      "next": null,
      "api-version": "2023-09-30"
    }
  }
}
```


Kaiko


```
{
  "query": {
    "exchange": "drbt",
    "instrument": "btc25dec26100000c",
    "instrument_class": "option",
    "commodity": "liquidationEvents",
    "page_size": 1000,
    "sort": "asc",
    "data_version": "v1",
    ...
  },
  "answer_time": "...",
  "answer_timestamp": ...,
  "access": {
    "access_range": { ... },
    "data_range": { ... }
  },
  "data": [ {
    "amount": 2,
    "amount_quote": 128976.88434620042,
    "amount_usd": 128976.88434620042,
    "price": 0.0007,
    "rate": 1,
    "position_side": "short",
    "timestamp": 1794692722602,
    "trade_id": "466525756"
  } ]
}
```