

A. Spot Exchanges

Endpoint 1 - /tickers (Market Info)

The /tickers endpoint provides 24-hour pricing and volume information on each market pair available on an exchange.

Sample request URL- <https://trade.grey-hat.io/api/coingecko/tickers>

Response-

```
[
  {
    "ticker_id": "APT_AED",
    "base_currency": "AED",
    "target_currency": "APT",
    "last_price": 20.91273206,
    "base_volume": 101.19671043834,
    "target_volume": 27.28,
    "bid": 21.74269305,
    "ask": 22.21562118,
    "high": 20.91273206,
    "low": 20.91273206
  },
  {
    "ticker_id": "VET_AED",
    "base_currency": "AED",
    "target_currency": "VET",
    "last_price": 0.11981497,
    "base_volume": 352690.22556655214,
    "target_volume": 95085.28,
    "bid": 0.1131726,
    "ask": 0.11583351,
    "high": 0.12287703,
    "low": 0.11981497
  },
  {
    "ticker_id": "SOL_AED",
    "base_currency": "AED",
    "target_currency": "SOL",
    "last_price": 714.59910388,
    "base_volume": 156929.92377125763,
    "target_volume": 42308.31,
    "bid": 615.3096552,
    "ask": 629.90864149,
    "high": 720.56597828,
    "low": 714.59907912
  },
  {
    "ticker_id": "LTC_AED",
    "base_currency": "AED",
    "target_currency": "LTC",
    "last_price": 425.162442,
    "base_volume": 18452.0499828,
    "target_volume": 4974.67,
    "bid": 454.792918,
    "ask": 466.369355,
  }
]
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    "high": 425.162442,
    "low": 425.162442
  },
  {
    "ticker_id": "NEAR_AED",
    "base_currency": "AED",
    "target_currency": "NEAR",
    "last_price": 21.21706378,
    "base_volume": 8319.6293965768,
    "target_volume": 2242.97,
    "bid": 11.88519606,
    "ask": 12.14416744,
    "high": 21.22890542,
    "low": 21.21706378
  },
  {
    "ticker_id": "LINK_AED",
    "base_currency": "AED",
    "target_currency": "LINK",
    "last_price": 66.5175653,
    "base_volume": 27471.81832094,
    "target_volume": 7406.4,
    "bid": 63.2328696,
    "ask": 64.5779011,
    "high": 66.5178852,
    "low": 66.5175653
  },
  {
    "ticker_id": "ADA_AED",
    "base_currency": "AED",
    "target_currency": "ADA",
    "last_price": 2.83446664,
    "base_volume": 165401.28807595,
    "target_volume": 44592.19,
    "bid": 2.75854276,
    "ask": 2.818143,
    "high": 2.89175527,
    "low": 2.83446469
  },
  {
    "ticker_id": "BAT_AED",
    "base_currency": "AED",
    "target_currency": "BAT",
    "last_price": 1.00535376,
    "base_volume": 5084.375570448,
    "target_volume": 1370.75,
    "bid": 0.64872183,
    "ask": 0.66440863,
    "high": 1.00535376,
    "low": 1.00535376
  },
  {
    "ticker_id": "TRX_AED",
    "base_currency": "AED",
    "target_currency": "TRX",
    "last_price": 0.90035519,
    "base_volume": 9648.55906523896,
    "target_volume": 2601.25,
    "bid": 0.8603977,
    "ask": 0.87881718,
    "high": 0.90035519,

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    "low": 0.90035519
  },
  {
    "ticker_id": "HBAR_AED",
    "base_currency": "AED",
    "target_currency": "HBAR",
    "last_price": 0.82610817,
    "base_volume": 22620.49391094,
    "target_volume": 6098.49,
    "bid": 0.75634942,
    "ask": 0.77226104,
    "high": 0.82610817,
    "low": 0.82610817
  },
  {
    "ticker_id": "TFUEL_AED",
    "base_currency": "AED",
    "target_currency": "TFUEL",
    "last_price": 0.18004795,
    "base_volume": 7966.9608246327,
    "target_volume": 2147.89,
    "bid": 0.17418819,
    "ask": 0.17786012,
    "high": 0.18004795,
    "low": 0.18004795
  },
  {
    "ticker_id": "VTHO_AED",
    "base_currency": "AED",
    "target_currency": "VTHO",
    "last_price": 0.01411028,
    "base_volume": 206418.32144120595,
    "target_volume": 55650.38,
    "bid": 0.0119397,
    "ask": 0.01218877,
    "high": 0.01523766,
    "low": 0.01411028
  },
  {
    "ticker_id": "XRP_AED",
    "base_currency": "AED",
    "target_currency": "XRP",
    "last_price": 11.30942076,
    "base_volume": 464952.3537816714,
    "target_volume": 125351.15,
    "bid": 9.24661843,
    "ask": 9.43441709,
    "high": 11.30942076,
    "low": 11.02835257
  },
  {
    "ticker_id": "XTZ_AED",
    "base_currency": "AED",
    "target_currency": "XTZ",
    "last_price": 4.71559546,
    "base_volume": 90799.10905820472,
    "target_volume": 24479.44,
    "bid": 3.1467242,
    "ask": 3.2200214,
    "high": 4.71559546,
    "low": 4.71558638
  }

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},
{
  "ticker_id": "ETH_AED",
  "base_currency": "AED",
  "target_currency": "ETH",
  "last_price": 8518.102234,
  "base_volume": 61347.526317427,
  "target_volume": 16539.29,
  "bid": 9660.859893,
  "ask": 9865.219417,
  "high": 8518.132665,
  "low": 8518.10222167
},
{
  "ticker_id": "HCX_AED",
  "base_currency": "AED",
  "target_currency": "HCX",
  "last_price": 73.40057,
  "base_volume": 3956.290723,
  "target_volume": 1066.62,
  "bid": 72.30626,
  "ask": 73.8434,
  "high": 73.40057,
  "low": 73.40057
},
{
  "ticker_id": "NEO_AED",
  "base_currency": "AED",
  "target_currency": "NEO",
  "last_price": 39.88004026,
  "base_volume": 842.6703880240437,
  "target_volume": 227.18,
  "bid": 37.77884049,
  "ask": 38.62849331,
  "high": 40.4694005,
  "low": 39.88004026
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{
  "ticker_id": "STX_AED",
  "base_currency": "AED",
  "target_currency": "STX",
  "last_price": 3.43357591,
  "base_volume": 155.748158690831,
  "target_volume": 41.99,
  "bid": 3.25942285,
  "ask": 3.3346348,
  "high": 3.4335827,
  "low": 3.43357591
},
{
  "ticker_id": "THETA_AED",
  "base_currency": "AED",
  "target_currency": "THETA",
  "last_price": 7.48905597,
  "base_volume": 20408.88625188356,
  "target_volume": 5502.24,
  "bid": 4.78096449,
  "ask": 4.88883655,
  "high": 7.48905597,
  "low": 7.48905597
},

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  "ticker_id": "BTC_AED",
  "base_currency": "AED",
  "target_currency": "BTC",
  "last_price": 352016.401927,
  "base_volume": 109739.9900770354,
  "target_volume": 29585.9,
  "bid": 347249.83257,
  "ask": 354725.29206,
  "high": 352357.35176,
  "low": 351996.53925568
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{
  "ticker_id": "DOT_AED",
  "base_currency": "AED",
  "target_currency": "DOT",
  "last_price": 18.08305829,
  "base_volume": 15798.220726925187,
  "target_volume": 4259.2,
  "bid": 18.38212033,
  "ask": 18.77083755,
  "high": 18.08305829,
  "low": 18.08305006
},
{
  "ticker_id": "EGLD_AED",
  "base_currency": "AED",
  "target_currency": "EGLD",
  "last_price": 133.32126436,
  "base_volume": 2250.79288780348,
  "target_volume": 606.81,
  "bid": 81.00425108,
  "ask": 83.08782491,
  "high": 133.32126436,
  "low": 133.31090762
},
{
  "ticker_id": "AVAX_AED",
  "base_currency": "AED",
  "target_currency": "AVAX",
  "last_price": 92.84315969,
  "base_volume": 91.26482597527,
  "target_volume": 24.6,
  "bid": 87.25732459,
  "ask": 89.24564879,
  "high": 92.84315969,
  "low": 92.84315969
},
{
  "ticker_id": "FIL_AED",
  "base_currency": "AED",
  "target_currency": "FIL",
  "last_price": 12.12145296,
  "base_volume": 882.426983956302,
  "target_volume": 237.9,
  "bid": 12.0451672,
  "ask": 12.31114324,
  "high": 12.12154898,
  "low": 12.12145181
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}
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    "ticker_id": "EOS_AED",
    "base_currency": "AED",
    "target_currency": "EOS",
    "last_price": 3.11579051,
    "base_volume": 49704.602086747,
    "target_volume": 13400.36,
    "bid": 2.2312335,
    "ask": 2.28344336,
    "high": 3.11579051,
    "low": 3.11578025
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    "ticker_id": "CHZ_BTC",
    "base_currency": "BTC",
    "target_currency": "CHZ",
    "last_price": 5.3e-7,
    "base_volume": 3.3439643389724,
    "target_volume": 0.17,
    "bid": 5.2e-7,
    "ask": 5.3e-7,
    "high": 5.6e-7,
    "low": 5.3e-7
  },
  {
    "ticker_id": "EOS_BTC",
    "base_currency": "BTC",
    "target_currency": "EOS",
    "last_price": 6.44e-6,
    "base_volume": 25.6510032566413,
    "target_volume": 15.77,
    "bid": 6.44e-6,
    "ask": 6.45e-6,
    "high": 6.68e-6,
    "low": 6.39e-6
  },
  {
    "ticker_id": "BNB_BTC",
    "base_currency": "BTC",
    "target_currency": "BNB",
    "last_price": 0.00673811,
    "base_volume": 27.3385339955673,
    "target_volume": 17591.42,
    "bid": 0.00673782,
    "ask": 0.00674113,
    "high": 0.00674989,
    "low": 0.00662491
  },
  {
    "ticker_id": "EGLD_BTC",
    "base_currency": "BTC",
    "target_currency": "EGLD",
    "last_price": 0.0002356,
    "base_volume": 0.1602760670952,
    "target_volume": 3.67,
    "bid": 0.0002347,
    "ask": 0.0002348,
    "high": 0.000245,
    "low": 0.0002334
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  {
    "ticker_id": "SNX_BTC",

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    "base_currency": "BTC",
    "target_currency": "SNX",
    "last_price": 1.0e-5,
    "base_volume": 5.2199777297715,
    "target_volume": 5,
    "bid": 1.009e-5,
    "ask": 1.012e-5,
    "high": 1.076e-5,
    "low": 9.99e-6
  },
  {
    "ticker_id": "VET_BTC",
    "base_currency": "BTC",
    "target_currency": "VET",
    "last_price": 3.3e-7,
    "base_volume": 5.3720882533596,
    "target_volume": 0.17,
    "bid": 3.2e-7,
    "ask": 3.3e-7,
    "high": 3.4e-7,
    "low": 3.3e-7
  },
  {
    "ticker_id": "WBTC_BTC",
    "base_currency": "BTC",
    "target_currency": "WBTC",
    "last_price": 0.99801125,
    "base_volume": 0.532972434832,
    "target_volume": 51984.53,
    "bid": 0.99858288,
    "ask": 0.99871819,
    "high": 0.99808976,
    "low": 0.99801125
  },
  {
    "ticker_id": "ETC_BTC",
    "base_currency": "BTC",
    "target_currency": "ETC",
    "last_price": 0.0002116,
    "base_volume": 8.0717620670217,
    "target_volume": 165.91,
    "bid": 0.0002115,
    "ask": 0.0002117,
    "high": 0.0002168,
    "low": 0.0002116
  },
  {
    "ticker_id": "SOL_BTC",
    "base_currency": "BTC",
    "target_currency": "SOL",
    "last_price": 0.00177422,
    "base_volume": 79.6644963423133,
    "target_volume": 13498.19,
    "bid": 0.00177307,
    "ask": 0.00177612,
    "high": 0.00182477,
    "low": 0.00175913
  },
  {
    "ticker_id": "XTZ_BTC",
    "base_currency": "BTC",

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    "target_currency": "XTZ",
    "last_price": 9.01e-6,
    "base_volume": 4.0902889629012,
    "target_volume": 3.53,
    "bid": 9.08e-6,
    "ask": 9.09e-6,
    "high": 9.24e-6,
    "low": 8.97e-6
  },
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    "ticker_id": "YFI_BTC",
    "base_currency": "BTC",
    "target_currency": "YFI",
    "last_price": 0.06160089,
    "base_volume": 1.1067270061213,
    "target_volume": 6747.23,
    "bid": 0.06109907,
    "ask": 0.06120092,
    "high": 0.06229919,
    "low": 0.05969935
  },
  {
    "ticker_id": "AAVE_BTC",
    "base_currency": "BTC",
    "target_currency": "AAVE",
    "last_price": 0.00255385,
    "base_volume": 122.5966443752204,
    "target_volume": 29890.62,
    "bid": 0.00254895,
    "ask": 0.00255205,
    "high": 0.00270397,
    "low": 0.00251397
  },
  {
    "ticker_id": "CFX_BTC",
    "base_currency": "BTC",
    "target_currency": "CFX",
    "last_price": 1.24e-6,
    "base_volume": 0.0006977423178,
    "target_volume": 0,
    "bid": 1.24e-6,
    "ask": 1.25e-6,
    "high": 1.26e-6,
    "low": 1.2e-6
  },
  {
    "ticker_id": "NEO_BTC",
    "base_currency": "BTC",
    "target_currency": "NEO",
    "last_price": 0.0001091,
    "base_volume": 0.396432873889,
    "target_volume": 4.13,
    "bid": 0.000109,
    "ask": 0.0001092,
    "high": 0.0001142,
    "low": 0.0001077
  },
  {
    "ticker_id": "COMP_BTC",
    "base_currency": "BTC",
    "target_currency": "COMP",

```



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    "last_price": 0.00054799,
    "base_volume": 0.3207907100858,
    "target_volume": 17.05,
    "bid": 0.00055199,
    "ask": 0.00055201,
    "high": 0.00057699,
    "low": 0.00054799
  },
  {
    "ticker_id": "DOGE_BTC",
    "base_currency": "BTC",
    "target_currency": "DOGE",
    "last_price": 2.53e-6,
    "base_volume": 120.9325225248682,
    "target_volume": 29.22,
    "bid": 2.53e-6,
    "ask": 2.54e-6,
    "high": 2.62e-6,
    "low": 2.51e-6
  },
  {
    "ticker_id": "STX_BTC",
    "base_currency": "BTC",
    "target_currency": "STX",
    "last_price": 9.4e-6,
    "base_volume": 0.0313125665901,
    "target_volume": 0.03,
    "bid": 9.4e-6,
    "ask": 9.42e-6,
    "high": 9.82e-6,
    "low": 9.31e-6
  },
  {
    "ticker_id": "XLM_BTC",
    "base_currency": "BTC",
    "target_currency": "XLM",
    "last_price": 3.4e-6,
    "base_volume": 151.1989222492396,
    "target_volume": 49.08,
    "bid": 3.4e-6,
    "ask": 3.41e-6,
    "high": 3.51e-6,
    "low": 3.38e-6
  },
  {
    "ticker_id": "ETH_BTC",
    "base_currency": "BTC",
    "target_currency": "ETH",
    "last_price": 0.0278404,
    "base_volume": 39.554702688857,
    "target_volume": 105166.34,
    "bid": 0.02780961,
    "ask": 0.02783036,
    "high": 0.02856961,
    "low": 0.02737043
  },
  {
    "ticker_id": "FIL_BTC",
    "base_currency": "BTC",
    "target_currency": "FIL",
    "last_price": 3.47e-5,

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    "base_volume": 0.084225467125,
    "target_volume": 0.28,
    "bid": 3.47e-5,
    "ask": 3.48e-5,
    "high": 3.61e-5,
    "low": 3.43e-5
  },
  {
    "ticker_id": "GRT_BTC",
    "base_currency": "BTC",
    "target_currency": "GRT",
    "last_price": 1.43e-6,
    "base_volume": 8.5916387508422,
    "target_volume": 1.19,
    "bid": 1.41e-6,
    "ask": 1.43e-6,
    "high": 1.48e-6,
    "low": 1.4e-6
  },
  {
    "ticker_id": "LTC_BTC",
    "base_currency": "BTC",
    "target_currency": "LTC",
    "last_price": 0.00130702,
    "base_volume": 41.496201761378,
    "target_volume": 5182.59,
    "bid": 0.00130797,
    "ask": 0.00131802,
    "high": 0.00141298,
    "low": 0.00129601
  },
  {
    "ticker_id": "MATIC_BTC",
    "base_currency": "BTC",
    "target_currency": "MATIC",
    "last_price": 3.06e-6,
    "base_volume": 64.8883397229502,
    "target_volume": 19.2,
    "bid": 3.05e-6,
    "ask": 3.1e-6,
    "high": 3.17e-6,
    "low": 3.04e-6
  },
  {
    "ticker_id": "THETA_BTC",
    "base_currency": "BTC",
    "target_currency": "THETA",
    "last_price": 1.371e-5,
    "base_volume": 28.5499427075631,
    "target_volume": 37.45,
    "bid": 1.379e-5,
    "ask": 1.381e-5,
    "high": 1.436e-5,
    "low": 1.341e-5
  },
  {
    "ticker_id": "UNI_BTC",
    "base_currency": "BTC",
    "target_currency": "UNI",
    "last_price": 9.2e-5,
    "base_volume": 17.1719296967407,

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    "target_volume": 150.89,
    "bid": 9.17e-5,
    "ask": 9.2e-5,
    "high": 9.71e-5,
    "low": 9.03e-5
  },
  {
    "ticker_id": "XRP_BTC",
    "base_currency": "BTC",
    "target_currency": "XRP",
    "last_price": 2.666e-5,
    "base_volume": 127.4486058074619,
    "target_volume": 324.42,
    "bid": 2.665e-5,
    "ask": 2.669e-5,
    "high": 2.747e-5,
    "low": 2.634e-5
  },
  {
    "ticker_id": "AVAX_BTC",
    "base_currency": "BTC",
    "target_currency": "AVAX",
    "last_price": 0.0002527,
    "base_volume": 0.0766142111569,
    "target_volume": 1.85,
    "bid": 0.00025229,
    "ask": 0.00025261,
    "high": 0.00026601,
    "low": 0.00025001
  },
  {
    "ticker_id": "DOT_BTC",
    "base_currency": "BTC",
    "target_currency": "DOT",
    "last_price": 5.29e-5,
    "base_volume": 10.9750360212968,
    "target_volume": 55.46,
    "bid": 5.29e-5,
    "ask": 5.3e-5,
    "high": 5.38e-5,
    "low": 5.11e-5
  },
  {
    "ticker_id": "GAS_BTC",
    "base_currency": "BTC",
    "target_currency": "GAS",
    "last_price": 4.0e-5,
    "base_volume": 0.043034589176,
    "target_volume": 0.16,
    "bid": 4.02e-5,
    "ask": 4.03e-5,
    "high": 4.15e-5,
    "low": 4.0e-5
  },
  {
    "ticker_id": "MKR_BTC",
    "base_currency": "BTC",
    "target_currency": "MKR",
    "last_price": 0.01473026,
    "base_volume": 14.7282053878802,
    "target_volume": 20711.96,

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    "bid": 0.01480979,
    "ask": 0.01486022,
    "high": 0.0151298,
    "low": 0.01398021
  },
  {
    "ticker_id": "NEAR_BTC",
    "base_currency": "BTC",
    "target_currency": "NEAR",
    "last_price": 3.434e-5,
    "base_volume": 52.0194639061448,
    "target_volume": 170.68,
    "bid": 3.432e-5,
    "ask": 3.439e-5,
    "high": 3.665e-5,
    "low": 3.391e-5
  },
  {
    "ticker_id": "TFUEL_BTC",
    "base_currency": "BTC",
    "target_currency": "TFUEL",
    "last_price": 5.0e-7,
    "base_volume": 1.20338031294,
    "target_volume": 0.06,
    "bid": 5.0e-7,
    "ask": 5.1e-7,
    "high": 5.0e-7,
    "low": 5.0e-7
  },
  {
    "ticker_id": "TRX_BTC",
    "base_currency": "BTC",
    "target_currency": "TRX",
    "last_price": 2.48e-6,
    "base_volume": 14.0585054097474,
    "target_volume": 3.33,
    "bid": 2.47e-6,
    "ask": 2.49e-6,
    "high": 2.54e-6,
    "low": 2.46e-6
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    "base_currency": "BTC",
    "target_currency": "DAI",
    "last_price": 1.044e-5,
    "base_volume": 132.231288291897,
    "target_volume": 131.73,
    "bid": 1.044e-5,
    "ask": 1.046e-5,
    "high": 1.044e-5,
    "low": 1.005e-5
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    "base_currency": "BTC",
    "target_currency": "APT",
    "last_price": 6.26e-5,
    "base_volume": 0.14740467671,
    "target_volume": 0.88,
    "bid": 6.26e-5,

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    "ask": 6.27e-5,
    "high": 6.55e-5,
    "low": 6.21e-5
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    "base_currency": "ETH",
    "target_currency": "EOS",
    "last_price": 0.0002319,
    "base_volume": 38.829268891894,
    "target_volume": 23.73,
    "bid": 0.0002312,
    "ask": 0.0002319,
    "high": 0.0002372,
    "low": 0.0002319
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    "ticker_id": "XTZ_ETH",
    "base_currency": "ETH",
    "target_currency": "XTZ",
    "last_price": 0.00032518,
    "base_volume": 131.6681210896569,
    "target_volume": 113.7,
    "bid": 0.00032491,
    "ask": 0.0003258,
    "high": 0.00032932,
    "low": 0.00032176
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    "ticker_id": "VET_ETH",
    "base_currency": "ETH",
    "target_currency": "VET",
    "last_price": 1.171e-5,
    "base_volume": 528.6738670841912,
    "target_volume": 16.37,
    "bid": 1.174e-5,
    "ask": 1.176e-5,
    "high": 1.214e-5,
    "low": 1.17e-5
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    "ticker_id": "CHZ_ETH",
    "base_currency": "ETH",
    "target_currency": "CHZ",
    "last_price": 1.909e-5,
    "base_volume": 450.0767022601919,
    "target_volume": 23.08,
    "bid": 1.897e-5,
    "ask": 1.907e-5,
    "high": 1.995e-5,
    "low": 1.909e-5
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    "base_currency": "ETH",
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    "target_volume": 2791.19,
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    "high": 0.00037762,
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    "base_volume": 31.3760147476562,
    "target_volume": 628.44,
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    "ask": 0.00760012,
    "high": 0.00768991,
    "low": 0.0075899
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    "base_currency": "ETH",
    "target_currency": "LTC",
    "last_price": 0.04707292,
    "base_volume": 1346.82298833356,
    "target_volume": 168619.21,
    "bid": 0.04703929,
    "ask": 0.04710086,
    "high": 0.05061923,
    "low": 0.04654053
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  {
    "ticker_id": "THETA_ETH",
    "base_currency": "ETH",
    "target_currency": "THETA",
    "last_price": 0.00049445,
    "base_volume": 1126.8817158952445,
    "target_volume": 1482.04,
    "bid": 0.00049459,
    "ask": 0.00049483,
    "high": 0.00050957,
    "low": 0.00047992
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  {
    "ticker_id": "MATIC_ETH",
    "base_currency": "ETH",
    "target_currency": "MATIC",
    "last_price": 0.00011023,
    "base_volume": 1353.121836118293,
    "target_volume": 400.77,
    "bid": 0.00010913,
    "ask": 0.00011109,
    "high": 0.00011266,
    "low": 0.00010976
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    "ticker_id": "STX_ETH",
    "base_currency": "ETH",
    "target_currency": "STX",
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    "base_volume": 1.1809529790694,
    "target_volume": 1.06,
    "bid": 0.00033693,
    "ask": 0.00033749,
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    "low": 0.00033604
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    "ticker_id": "DOGE_ETH",
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    "base_volume": 79281.74267791978,
    "target_volume": 19133.51,
    "bid": 9.06e-5,
    "ask": 9.063e-5,
    "high": 9.295e-5,
    "low": 9.053e-5
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  {
    "ticker_id": "DOT_ETH",
    "base_currency": "ETH",
    "target_currency": "DOT",
    "last_price": 0.00190002,
    "base_volume": 2665.0470815736044,
    "target_volume": 13467.46,
    "bid": 0.00189998,
    "ask": 0.00190303,
    "high": 0.00195997,
    "low": 0.00182802
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    "ticker_id": "HCX_ETH",
    "base_currency": "ETH",
    "target_currency": "HCX",
    "last_price": 0.00748227,
    "base_volume": 103717.96530839,
    "target_volume": 2064002.25,
    "bid": 0.00747142,
    "ask": 0.00749028,
    "high": 0.00761611,
    "low": 0.00729084
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    "ticker_id": "NEAR_ETH",
    "base_currency": "ETH",
    "target_currency": "NEAR",
    "last_price": 0.00123202,
    "base_volume": 838.868116163112,
    "target_volume": 2748.98,
    "bid": 0.00123199,
    "ask": 0.00123501,
    "high": 0.00130098,
    "low": 0.00122502
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    "base_currency": "ETH",
    "target_currency": "WBTC",
    "last_price": 36.39072387,
    "base_volume": 107.9431461109748,
    "target_volume": 10478567.84,
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  "base_currency": "ETH",
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  "last_price": 0.00225203,
  "base_volume": 4.0382988289183,
  "target_volume": 24.1,
  "bid": 0.00224697,
  "ask": 0.00225202,
  "high": 0.00234303,
  "low": 0.00224197
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  "ticker_id": "EGLD_ETH",
  "base_currency": "ETH",
  "target_currency": "EGLD",
  "last_price": 0.00861988,
  "base_volume": 0.406887430897,
  "target_volume": 9.84,
  "bid": 0.00841991,
  "ask": 0.00845016,
  "high": 0.00861988,
  "low": 0.0081101
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  "ticker_id": "XLM_ETH",
  "base_currency": "ETH",
  "target_currency": "XLM",
  "last_price": 0.00012232,
  "base_volume": 35093.087921850914,
  "target_volume": 11416.85,
  "bid": 0.00012226,
  "ask": 0.00012239,
  "high": 0.0001263,
  "low": 0.00012127
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  "ticker_id": "XRP_ETH",
  "base_currency": "ETH",
  "target_currency": "XRP",
  "last_price": 0.00095839,
  "base_volume": 3083.382980721182,
  "target_volume": 7859.54,
  "bid": 0.00095718,
  "ask": 0.00095832,
  "high": 0.00098399,
  "low": 0.00094759
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  "base_currency": "ETH",
  "target_currency": "GRT",
  "last_price": 5.1e-5,
  "base_volume": 8707.984706096051,
  "target_volume": 1181.17,
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  "ask": 5.104e-5,
  "high": 5.274e-5,
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  "base_volume": 4977.277166101815,
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  "ask": 0.00036229,
  "high": 0.0003793,
  "low": 0.00035476
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  "ticker_id": "YFI_ETH",
  "base_currency": "ETH",
  "target_currency": "YFI",
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  "base_volume": 405.0963986560596,
  "target_volume": 2357592.06,
  "bid": 2.18423811,
  "ask": 2.19514794,
  "high": 2.22003692,
  "low": 2.13748847
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  "ticker_id": "COMP_ETH",
  "base_currency": "ETH",
  "target_currency": "COMP",
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  "base_volume": 1987.2390937509272,
  "target_volume": 104690.99,
  "bid": 0.01974868,
  "ask": 0.01982311,
  "high": 0.0205533,
  "low": 0.01963208
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{
  "ticker_id": "FIL_ETH",
  "base_currency": "ETH",
  "target_currency": "FIL",
  "last_price": 0.00124099,
  "base_volume": 1.3224500436847,
  "target_volume": 4.33,
  "bid": 0.00124699,
  "ask": 0.00125002,
  "high": 0.00128799,
  "low": 0.00124099
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  "ticker_id": "TRX_ETH",
  "base_currency": "ETH",
  "target_currency": "TRX",
  "last_price": 8.891e-5,
  "base_volume": 1397.738573552348,
  "target_volume": 330.46,
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  "ask": 8.924e-5,
  "high": 9.093e-5,
  "low": 8.716e-5
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    "target_volume": 0.22,
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    "ask": 0.00342006,
    "high": 0.00376006,
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    "ticker_id": "AAVE_ETH",
    "base_currency": "ETH",
    "target_currency": "AAVE",
    "last_price": 0.09163818,
    "base_volume": 1566.7157861174653,
    "target_volume": 381774.53,
    "bid": 0.09145832,
    "ask": 0.09174157,
    "high": 0.09575899,
    "low": 0.09143839
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    "ticker_id": "AVAX_ETH",
    "base_currency": "ETH",
    "target_currency": "AVAX",
    "last_price": 0.00905989,
    "base_volume": 0.4542524445455,
    "target_volume": 10.88,
    "bid": 0.00906983,
    "ask": 0.00907013,
    "high": 0.00938019,
    "low": 0.00905984
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    "ticker_id": "BNB_ETH",
    "base_currency": "ETH",
    "target_currency": "BNB",
    "last_price": 0.24180355,
    "base_volume": 579.1030204391365,
    "target_volume": 372458.32,
    "bid": 0.24189635,
    "ask": 0.24220309,
    "high": 0.24289449,
    "low": 0.2349025
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    "ticker_id": "MKR_ETH",
    "base_currency": "ETH",
    "target_currency": "MKR",
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    "base_volume": 2525.1006809768346,
    "target_volume": 3565600.83,
    "bid": 0.53314501,
    "ask": 0.53441859,
    "high": 0.53848098,
    "low": 0.50133651
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  {
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    "target_currency": "SOL",
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    "base_volume": 4907.500166784967,
    "target_volume": 831285.27,
    "bid": 0.06367902,
    "ask": 0.06383085,
    "high": 0.064479,
    "low": 0.06297902
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    "ticker_id": "NEO_ETH",
    "base_currency": "ETH",
    "target_currency": "NEO",
    "last_price": 0.00391466,
    "base_volume": 8.6537086960373,
    "target_volume": 90.1,
    "bid": 0.00390653,
    "ask": 0.00391466,
    "high": 0.00402349,
    "low": 0.0039029
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    "ticker_id": "SNX_EUR",
    "base_currency": "EUR",
    "target_currency": "SNX",
    "last_price": 0.92770512,
    "base_volume": 52107.479060287034,
    "target_volume": 53180.89,
    "bid": 0.90058892,
    "ask": 0.93907618,
    "high": 0.94403741,
    "low": 0.92770512
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  {
    "ticker_id": "CHZ_EUR",
    "base_currency": "EUR",
    "target_currency": "CHZ",
    "last_price": 0.06085838,
    "base_volume": 12183.86799296158,
    "target_volume": 12434.86,
    "bid": 0.04775669,
    "ask": 0.04897603,
    "high": 0.06085838,
    "low": 0.06085838
  },
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    "ticker_id": "THETA_EUR",
    "base_currency": "EUR",
    "target_currency": "THETA",
    "last_price": 1.27439914,
    "base_volume": 5450.791566374182,
    "target_volume": 5600.14,
    "bid": 1.24588191,
    "ask": 1.27012316,
    "high": 1.27439914,
    "low": 1.27439914
  },
  {
    "ticker_id": "UNI_EUR",
    "base_currency": "EUR",

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    "target_currency": "UNI",
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    "base_volume": 34112.31831639777,
    "target_volume": 34815.03,
    "bid": 8.2840643,
    "ask": 8.48242308,
    "high": 9.19048222,
    "low": 8.95521861
  },
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    "ticker_id": "AAVE_EUR",
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    "target_currency": "AAVE",
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    "base_volume": 147039.5334653872,
    "target_volume": 150068.55,
    "bid": 229.83915827,
    "ask": 235.03023749,
    "high": 237.21927236,
    "low": 236.02638454
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  {
    "ticker_id": "BAT_EUR",
    "base_currency": "EUR",
    "target_currency": "BAT",
    "last_price": 0.24558018,
    "base_volume": 3309.9284207568,
    "target_volume": 3461.52,
    "bid": 0.16845433,
    "ask": 0.1729053,
    "high": 0.25916971,
    "low": 0.24558018
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  {
    "ticker_id": "MKR_EUR",
    "base_currency": "EUR",
    "target_currency": "MKR",
    "last_price": 1396.55929241,
    "base_volume": 110328.87405444485,
    "target_volume": 114422.08,
    "bid": 1334.90398169,
    "ask": 1370.98316074,
    "high": 1396.55929241,
    "low": 1257.48951909
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    "base_currency": "EUR",
    "target_currency": "TFUEL",
    "last_price": 0.04771081,
    "base_volume": 16649.805759713425,
    "target_volume": 17106.01,
    "bid": 0.04532279,
    "ask": 0.04627816,
    "high": 0.04771085,
    "low": 0.04724407
  },
  {
    "ticker_id": "XRP_EUR",
    "base_currency": "EUR",
    "target_currency": "XRP",

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    "last_price": 2.48152159,
    "base_volume": 30770.09104852536,
    "target_volume": 31613.19,
    "bid": 2.40005403,
    "ask": 2.45479846,
    "high": 2.48152159,
    "low": 2.48151935
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    "target_currency": "ADA",
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    "base_volume": 14069.00863597731,
    "target_volume": 14358.83,
    "bid": 0.71814457,
    "ask": 0.73395824,
    "high": 0.73778513,
    "low": 0.73778294
  },
  {
    "ticker_id": "DAI_EUR",
    "base_currency": "EUR",
    "target_currency": "DAI",
    "last_price": 0.91316745,
    "base_volume": 1019363.7744692671,
    "target_volume": 1092248.28,
    "bid": 0.94278335,
    "ask": 0.96415855,
    "high": 0.93393391,
    "low": 0.91290372
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    "ticker_id": "LTC_EUR",
    "base_currency": "EUR",
    "target_currency": "LTC",
    "last_price": 130.85161712,
    "base_volume": 31609.694825039365,
    "target_volume": 32475.8,
    "bid": 118.33436099,
    "ask": 120.79677673,
    "high": 130.85161712,
    "low": 130.85066088
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  {
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    "base_currency": "EUR",
    "target_currency": "NEO",
    "last_price": 10.65811338,
    "base_volume": 923.7538513641471,
    "target_volume": 942.78,
    "bid": 9.82989035,
    "ask": 10.05093502,
    "high": 10.68979097,
    "low": 10.65811338
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  {
    "ticker_id": "SOL_EUR",
    "base_currency": "EUR",
    "target_currency": "SOL",
    "last_price": 186.99064427,

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    "base_volume": 74007.9136752152,
    "target_volume": 75532.48,
    "bid": 160.10070895,
    "ask": 163.89912016,
    "high": 190.42048306,
    "low": 186.99064427
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  {
    "ticker_id": "WBTC_EUR",
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    "target_currency": "WBTC",
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    "base_volume": 224254.57425753787,
    "target_volume": 242531.32,
    "bid": 90129.4389978,
    "ask": 92471.38284748,
    "high": 49224.55758657,
    "low": 48217.22335179
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  {
    "ticker_id": "APT_EUR",
    "base_currency": "EUR",
    "target_currency": "APT",
    "last_price": 5.2567041,
    "base_volume": 24.70650927,
    "target_volume": 25.38,
    "bid": 5.65770587,
    "ask": 5.76670196,
    "high": 5.2567041,
    "low": 5.2567041
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  {
    "ticker_id": "ETC_EUR",
    "base_currency": "EUR",
    "target_currency": "ETC",
    "last_price": 27.96796432,
    "base_volume": 9820.12039084886,
    "target_volume": 10255.15,
    "bid": 19.07423771,
    "ask": 19.4891172,
    "high": 27.96796432,
    "low": 25.64817452
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  {
    "ticker_id": "FIL_EUR",
    "base_currency": "EUR",
    "target_currency": "FIL",
    "last_price": 3.15766827,
    "base_volume": 319.104354484665,
    "target_volume": 325.68,
    "bid": 3.1218003,
    "ask": 3.20327731,
    "high": 3.21049557,
    "low": 3.15766827
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  {
    "ticker_id": "LINK_EUR",
    "base_currency": "EUR",
    "target_currency": "LINK",
    "last_price": 17.57037449,
    "base_volume": 17220.886557088605,

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    "target_volume": 17575.64,
    "bid": 16.45302014,
    "ask": 16.80289492,
    "high": 18.027888,
    "low": 17.57037449
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  {
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    "base_currency": "EUR",
    "target_currency": "STX",
    "last_price": 0.92717027,
    "base_volume": 59.0944292688806,
    "target_volume": 60.31,
    "bid": 0.84808891,
    "ask": 0.86766119,
    "high": 0.92717027,
    "low": 0.90696173
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    "ticker_id": "XLM_EUR",
    "base_currency": "EUR",
    "target_currency": "XLM",
    "last_price": 0.31001436,
    "base_volume": 198619.18992874477,
    "target_volume": 202710.75,
    "bid": 0.30719242,
    "ask": 0.31384198,
    "high": 0.31001445,
    "low": 0.31001436
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    "base_currency": "EUR",
    "target_currency": "EGLD",
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    "base_volume": 111.355085175576,
    "target_volume": 113.11,
    "bid": 21.12410359,
    "ask": 21.59014062,
    "high": 22.63866902,
    "low": 22.63866902
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    "base_currency": "EUR",
    "target_currency": "HBAR",
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    "base_volume": 51113.440519913696,
    "target_volume": 51869.92,
    "bid": 0.19683486,
    "ask": 0.20114924,
    "high": 0.23653944,
    "low": 0.22117859
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  {
    "ticker_id": "TRX_EUR",
    "base_currency": "EUR",
    "target_currency": "TRX",
    "last_price": 0.20859908,
    "base_volume": 20022.180147467523,
    "target_volume": 20310.5,

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    "high": 0.2158427,
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    "target_currency": "ETH",
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    "target_volume": 29241.97,
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    "high": 3559.07825128,
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    "base_currency": "EUR",
    "target_currency": "GRT",
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    "base_volume": 28530.934515320532,
    "target_volume": 29695,
    "bid": 0.1281639,
    "ask": 0.13093081,
    "high": 0.30523263,
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    "ticker_id": "MATIC_EUR",
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    "target_currency": "MATIC",
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    "base_volume": 17765.8732941852,
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    "high": 0.45092042,
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    "target_currency": "XTZ",
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    "base_volume": 21109.68289219797,
    "target_volume": 21529.77,
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    "target_currency": "BTC",
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    "low": 94046.686954
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    "target_currency": "COMP",
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    "ask": 50.75639245,
    "high": 92.02628709,
    "low": 92.02545811
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    "ticker_id": "DOGE_EUR",
    "base_currency": "EUR",
    "target_currency": "DOGE",
    "last_price": 0.24840105,
    "base_volume": 151669.53698815635,
    "target_volume": 154793.93,
    "bid": 0.22801792,
    "ask": 0.23302155,
    "high": 0.24893133,
    "low": 0.24840105
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    "ask": 5637.25656048,
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    "base_volume": 414.9721629469245,
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    "bid": 22.74175878,
    "ask": 23.22124837,
    "high": 24.59488624,
    "low": 24.13388939
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    "ticker_id": "DOT_EUR",
    "base_currency": "EUR",
    "target_currency": "DOT",
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    "base_volume": 6508.4172874357,
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    "target_currency": "NEAR",
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    "base_volume": 41496.881510649844,
    "target_volume": 42953.42,
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    "low": 5.52613273
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    "ticker_id": "BTC_GBP",
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    "target_currency": "ETH",
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    "base_volume": 8147.05649400347,
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    "ticker_id": "XRP_GBP",
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    "target_currency": "XRP",
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    "base_volume": 207.8524173444967,
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    "low": 1.91316246
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    "target_currency": "SHIB",
    "last_price": 1.235e-5,
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    "bid": 1.179e-5,
    "ask": 1.206e-5,
    "high": 1.235e-5,
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    "target_volume": 63.05,
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  "low": 0.20583701
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  "ask": 135.22535551,
  "high": 157.79140689,
  "low": 156.49146763
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  "base_volume": 626001.1037277633,
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  "ask": 6.2907598,
  "high": 6.79261841,
  "low": 6.2032392
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  "base_volume": 194111.33047987087,
  "target_volume": 9280.48,
  "bid": 0.002409,
  "ask": 0.00241107,
  "high": 0.00243505,
  "low": 0.00238478
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  "base_volume": 113254.20455800682,
  "target_volume": 371524.33,
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  "ask": 0.16454002,
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  "ask": 0.03091607,
  "high": 0.03208232,
  "low": 0.03058119
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  "target_currency": "TRX",
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  "base_volume": 1034521.4058980958,
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  "bid": 0.01186698,
  "ask": 0.01190474,
  "high": 0.0122111,
  "low": 0.01176541
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  "base_currency": "HCX",
  "target_currency": "VTHO",
  "last_price": 0.00016525,
  "base_volume": 573023.6467558375,
  "target_volume": 1891.41,
  "bid": 0.00016504,
  "ask": 0.00016516,
  "high": 0.00017601,
  "low": 0.00016294
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  "target_currency": "EGLD",
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  "base_volume": 37.1771714156186,
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  "bid": 1.1206858,
  "ask": 1.12586331,
  "high": 1.14731048,
  "low": 1.08732772
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    "target_volume": 178007.7,
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    "ask": 0.01048539,
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    "low": 0.01033026
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    "ticker_id": "NEO_HCX",
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    "target_currency": "NEO",
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    "target_volume": 19368.22,
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    "ask": 0.52337388,
    "high": 0.54774469,
    "low": 0.51675752
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    "base_currency": "HCX",
    "target_currency": "AVAX",
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    "base_volume": 725.2400569739413,
    "target_volume": 17522.41,
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    "ask": 1.21331852,
    "high": 1.27705816,
    "low": 1.19857836
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    "target_volume": 126.81,
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    "ask": 0.04519545,
    "high": 0.04710867,
    "low": 0.04453759
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    "base_volume": 439155.97802041157,
    "target_volume": 580097.06,
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    "ask": 0.06614453,
    "high": 0.06895858,
    "low": 0.06427376
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    "target_volume": 30615.25,
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    "low": 0.04303659
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    "target_volume": 407713.4,
    "bid": 0.03820447,
    "ask": 0.0382091,
    "high": 0.039532,
    "low": 0.03784642
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    "base_currency": "HCX",
    "target_currency": "DOT",
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    "base_volume": 252561.88546855128,
    "target_volume": 1281917.38,
    "bid": 0.25432729,
    "ask": 0.25435147,
    "high": 0.2584655,
    "low": 0.2451143
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    "ticker_id": "FIL_HCX",
    "base_currency": "HCX",
    "target_currency": "FIL",
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    "base_volume": 219.0288878252727,
    "target_volume": 727.7,
    "bid": 0.16664723,
    "ask": 0.16737234,
    "high": 0.17367467,
    "low": 0.16407028
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    "target_currency": "LINK",
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    "base_volume": 157716.508808488,
    "target_volume": 2753368.56,
    "bid": 0.873508,
    "ask": 0.875054,
    "high": 0.919272,
    "low": 0.862381
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  {
    "ticker_id": "SOL_HCX",
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    "base_volume": 621084.7781569854,
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    "bid": 8.45428234,
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    "ask": 0.30102946,
    "high": 0.31470895,
    "low": 0.29721809
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    "target_currency": "BAT",
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    "base_volume": 31212.242767209,
    "target_volume": 5608.86,
    "bid": 0.00899162,
    "ask": 0.00900294,
    "high": 0.00921147,
    "low": 0.0088812
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    "target_currency": "XRP",
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    "base_volume": 1499579.1652552001,
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    "ask": 0.12801977,
    "high": 0.13187251,
    "low": 0.12630202
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    "base_currency": "INR",
    "target_currency": "LTC",
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    "target_volume": 17385048.82,
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    "ask": 10898.9689,
    "high": 12145.859,
    "low": 10740.6938
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    "ticker_id": "VET_INR",
    "base_currency": "INR",
    "target_currency": "VET",

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    "ask": 2.70661528,
    "high": 2.97283907,
    "low": 2.64860055
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    "target_volume": 74433761.22,
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    "ask": 8278284.14162332,
    "high": 8651709.53031422,
    "low": 8268297.6926493
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    "target_currency": "DOT",
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    "base_volume": 868437051.0388643,
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    "ask": 438.66793367,
    "high": 463.19190918,
    "low": 429.98164096
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    "target_currency": "TRX",
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    "ask": 20.53094563,
    "high": 21.77831492,
    "low": 20.42496932
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    "target_currency": "XTZ",
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    "ask": 75.13657478,
    "high": 79.75994944,
    "low": 73.78121666
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    "ticker_id": "ETH_INR",
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    "low": 227975.46444
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    "target_currency": "THETA",
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    "base_volume": 1081697827.711087,
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    "ask": 114.23463542,
    "high": 123.67353801,
    "low": 111.79136141
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    "bid": 518.35312477,
    "ask": 518.77952269,
    "high": 571.40620451,
    "low": 512.68108515
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    "bid": 1724.50923,
    "ask": 1726.43664,
    "high": 1801.76518,
    "low": 1721.54299
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    "target_currency": "NEO",
    "last_price": 902.60963074,
    "base_volume": 1633850360.5249903,
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    "bid": 901.11817027,
    "ask": 903.47635786,
    "high": 978.58055984,
    "low": 890.88722305
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    "base_currency": "INR",
    "target_currency": "STX",
    "last_price": 77.64853014,
    "base_volume": 1275279.0870778994,

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    "ask": 77.82342888,
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    "low": 76.84929444
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    "target_currency": "ADA",
    "last_price": 65.85893683,
    "base_volume": 1688420964.4000213,
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    "ask": 8.15022595,
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  {
    "ticker_id": "THETA_USDT",
    "base_currency": "USDT",
    "target_currency": "THETA",
    "last_price": 1.31302224,
    "base_volume": 1903686.1396183101,
    "target_volume": 1903686.14,
    "bid": 1.31498458,
    "ask": 1.31801348,
    "high": 1.42401799,
    "low": 1.29298641
  },
  {
    "ticker_id": "TRX_USDT",
    "base_currency": "USDT",
    "target_currency": "TRX",
    "last_price": 0.23640335,

```

```
    "base_volume": 3284628.6786677777,  
    "target_volume": 3284628.68,  
    "bid": 0.23679591,  
    "ask": 0.23690473,  
    "high": 0.25029738,  
    "low": 0.23599548  
  },  
  {  
    "ticker_id": "APT_USDT",  
    "base_currency": "USDT",  
    "target_currency": "APT",  
    "last_price": 5.96993596,  
    "base_volume": 5701.340559453545,  
    "target_volume": 5701.34,  
    "bid": 5.96988389,  
    "ask": 5.98008087,  
    "high": 6.43006588,  
    "low": 5.92011164  
  },  
  {  
    "ticker_id": "BTC_USDT",  
    "base_currency": "USDT",  
    "target_currency": "BTC",  
    "last_price": 95378.959569,  
    "base_volume": 121972373.74854462,  
    "target_volume": 121972373.75,  
    "bid": 95338.334695,  
    "ask": 95381.537925,  
    "high": 99412.966436,  
    "low": 95278.097594  
  },  
  {  
    "ticker_id": "DAI_USDT",  
    "base_currency": "USDT",  
    "target_currency": "DAI",  
    "last_price": 1.00046227,  
    "base_volume": 31.01433037,  
    "target_volume": 31.01,  
    "bid": 0.99903422,  
    "ask": 1.00054968,  
    "high": 1.00046227,  
    "low": 1.00046227  
  },  
  {  
    "ticker_id": "DOT_USDT",  
    "base_currency": "USDT",  
    "target_currency": "DOT",  
    "last_price": 5.04290158,  
    "base_volume": 2545843.175102177,  
    "target_volume": 2545843.18,  
    "bid": 5.04293581,  
    "ask": 5.05006592,  
    "high": 5.33292439,  
    "low": 4.9630647  
  },  
  {  
    "ticker_id": "ETH_USDT",  
    "base_currency": "USDT",  
    "target_currency": "ETH",  
    "last_price": 2656.1902174,  
    "base_volume": 5579170.580734831,
```

```

    "target_volume": 5579170.58,
    "bid": 2655.18318,
    "ask": 2655.2817,
    "high": 2838.53723,
    "low": 2630.84639
  },
  {
    "ticker_id": "LINK_USDT",
    "base_currency": "USDT",
    "target_currency": "LINK",
    "last_price": 17.4002005,
    "base_volume": 1764704.103461992,
    "target_volume": 1764704.1,
    "bid": 17.4097073,
    "ask": 17.4203356,
    "high": 19.0302484,
    "low": 17.15780197
  },
  {
    "ticker_id": "SOL_USDT",
    "base_currency": "USDT",
    "target_currency": "SOL",
    "last_price": 169.01816156,
    "base_volume": 4875191.890494463,
    "target_volume": 4875191.89,
    "bid": 169.01816156,
    "ask": 169.04188107,
    "high": 180.31730782,
    "low": 168.3529097
  },
  {
    "ticker_id": "UNI_USDT",
    "base_currency": "USDT",
    "target_currency": "UNI",
    "last_price": 8.76590059,
    "base_volume": 2779242.887454321,
    "target_volume": 2779242.89,
    "bid": 8.77282602,
    "ask": 8.79109553,
    "high": 9.6258803,
    "low": 8.59809337
  },
  {
    "ticker_id": "VTH0_USDT",
    "base_currency": "USDT",
    "target_currency": "VTH0",
    "last_price": 0.00327305,
    "base_volume": 2677719.5944776232,
    "target_volume": 2677719.59,
    "bid": 0.00328395,
    "ask": 0.00328604,
    "high": 0.00361596,
    "low": 0.00324795
  },
  {
    "ticker_id": "XLM_USDT",
    "base_currency": "USDT",
    "target_currency": "XLM",
    "last_price": 0.32460606,
    "base_volume": 42440360.62826388,
    "target_volume": 42440360.63,

```

```

    "bid": 0.32449442,
    "ask": 0.32460365,
    "high": 0.34610608,
    "low": 0.32210553
  },
  {
    "ticker_id": "XTZ_USDT",
    "base_currency": "USDT",
    "target_currency": "XTZ",
    "last_price": 0.85900944,
    "base_volume": 424044.7504399521,
    "target_volume": 424044.75,
    "bid": 0.86598314,
    "ask": 0.86800939,
    "high": 0.91799051,
    "low": 0.85700864
  },
  {
    "ticker_id": "BNB_USDT",
    "base_currency": "USDT",
    "target_currency": "BNB",
    "last_price": 642.59721109,
    "base_volume": 3357213.5746520357,
    "target_volume": 3357213.57,
    "bid": 642.42808797,
    "ask": 642.91121746,
    "high": 667.97717919,
    "low": 635.30818395
  },
  {
    "ticker_id": "GAS_USDT",
    "base_currency": "USDT",
    "target_currency": "GAS",
    "last_price": 3.84494546,
    "base_volume": 14454.720392530324,
    "target_volume": 14454.72,
    "bid": 3.83692919,
    "ask": 3.84306534,
    "high": 4.109077,
    "low": 3.81193211
  },
  {
    "ticker_id": "MKR_USDT",
    "base_currency": "USDT",
    "target_currency": "MKR",
    "last_price": 1412.02372907,
    "base_volume": 5142947.366185489,
    "target_volume": 5142947.37,
    "bid": 1415.97754686,
    "ask": 1419.01509124,
    "high": 1498.02849588,
    "low": 1366.97622076
  },
  {
    "ticker_id": "AVAX_USDT",
    "base_currency": "USDT",
    "target_currency": "AVAX",
    "last_price": 24.11967085,
    "base_volume": 10033.627350765306,
    "target_volume": 10033.63,
    "bid": 24.07967513,

```

```
"ask": 24.09044516,  
"high": 26.46971307,  
"low": 23.87025145  
},  
{  
  "ticker_id": "ETC_USDT",  
  "base_currency": "USDT",  
  "target_currency": "ETC",  
  "last_price": 20.17969444,  
  "base_volume": 2302331.26230018,  
  "target_volume": 2302331.26,  
  "bid": 20.16960487,  
  "ask": 20.18031587,  
  "high": 21.60957586,  
  "low": 19.95020727  
},  
{  
  "ticker_id": "NEAR_USDT",  
  "base_currency": "USDT",  
  "target_currency": "NEAR",  
  "last_price": 3.27593906,  
  "base_volume": 4793891.783075325,  
  "target_volume": 4793891.78,  
  "bid": 3.27294267,  
  "ask": 3.2800545,  
  "high": 3.62695065,  
  "low": 3.23295421  
},  
{  
  "ticker_id": "BAT_USDT",  
  "base_currency": "USDT",  
  "target_currency": "BAT",  
  "last_price": 0.17870282,  
  "base_volume": 893695.537201961,  
  "target_volume": 893695.54,  
  "bid": 0.17899793,  
  "ask": 0.17910269,  
  "high": 0.19059685,  
  "low": 0.17650272  
},  
{  
  "ticker_id": "TFUEL_USDT",  
  "base_currency": "USDT",  
  "target_currency": "TFUEL",  
  "last_price": 0.04789063,  
  "base_volume": 680164.4130297083,  
  "target_volume": 680164.41,  
  "bid": 0.0478892,  
  "ask": 0.04797077,  
  "high": 0.05023917,  
  "low": 0.04765917  
},  
{  
  "ticker_id": "MATIC_USDT",  
  "base_currency": "USDT",  
  "target_currency": "MATIC",  
  "last_price": 0.29545676,  
  "base_volume": 2100670.0533358995,  
  "target_volume": 2100670.05,  
  "bid": 0.29104042,  
  "ask": 0.29574763,
```

```

    "high": 0.31494909,
    "low": 0.29460502
  },
  {
    "ticker_id": "DOGE_USDT",
    "base_currency": "USDT",
    "target_currency": "DOGE",
    "last_price": 0.24112457,
    "base_volume": 36971383.23116654,
    "target_volume": 36971383.23,
    "bid": 0.24123584,
    "ask": 0.24143474,
    "high": 0.26084641,
    "low": 0.23824472
  },
  {
    "ticker_id": "XRP_USDT",
    "base_currency": "USDT",
    "target_currency": "XRP",
    "last_price": 2.5408468,
    "base_volume": 7432917.045352259,
    "target_volume": 7432917.05,
    "bid": 2.54435533,
    "ask": 2.54922702,
    "high": 2.70646017,
    "low": 2.51594819
  },
  {
    "ticker_id": "AAVE_USDT",
    "base_currency": "USDT",
    "target_currency": "AAVE",
    "last_price": 243.01427491,
    "base_volume": 17017013.589939635,
    "target_volume": 17017013.59,
    "bid": 243.25655881,
    "ask": 243.38414999,
    "high": 268.80301733,
    "low": 239.57246523
  },
  {
    "ticker_id": "ADA_USDT",
    "base_currency": "USDT",
    "target_currency": "ADA",
    "last_price": 0.76018991,
    "base_volume": 5960908.672236873,
    "target_volume": 5960908.67,
    "bid": 0.76009074,
    "ask": 0.7602101,
    "high": 0.81818961,
    "low": 0.75221361
  }
]

```

Endpoint 2 - /historical_trades (Historical Data)

The /historical_trades/ticker_id is used to return data on historical completed trades for a given market pair.

Sample request URL- https://trade.grey-hat.io/api/coingecko/historical?ticker_id=BTC_USD&limit=10

Response-

```
{
  "buy": [
    {
      "trade_id": 131866035,
      "price": "100221.279212",
      "base_volume": "400.885117",
      "target_volume": "0.004",
      "trade_timestamp": "2025-01-27 06:18:11.224162",
      "type": "buy"
    },
    {
      "trade_id": 129397429,
      "price": "104731.060149",
      "base_volume": "103.68375",
      "target_volume": "0.00099",
      "trade_timestamp": "2025-01-17 21:50:25.715016",
      "type": "buy"
    },
    {
      "trade_id": 128053194,
      "price": "94440.204871",
      "base_volume": "377.760819",
      "target_volume": "0.004",
      "trade_timestamp": "2025-01-11 17:08:26.531848",
      "type": "buy"
    },
    {
      "trade_id": 128053078,
      "price": "94448.101731",
      "base_volume": "94.448102",
      "target_volume": "0.001",
      "trade_timestamp": "2025-01-11 17:07:25.240136",
      "type": "buy"
    },
    {
      "trade_id": 127835521,
      "price": "94553.361216",
      "base_volume": "10.40087",
      "target_volume": "0.00011",
      "trade_timestamp": "2025-01-10 15:48:39.6816",
      "type": "buy"
    },
    {
      "trade_id": 127073510,
      "price": "101881.04073",
      "base_volume": "397.336059",
      "target_volume": "0.0039",
      "trade_timestamp": "2025-01-07 06:45:38.033074",
      "type": "buy"
    },
    {
      "trade_id": 119247221,
      "price": "95529.862218",
      "base_volume": "124.188821",
      "target_volume": "0.0013",
      "trade_timestamp": "2024-12-02 22:06:52.466561",
      "type": "buy"
    }
  ]
}
```

```

    "type": "buy"
  },
  {
    "trade_id": 119245497,
    "price": "95645.009276",
    "base_volume": "95.645009",
    "target_volume": "0.001",
    "trade_timestamp": "2024-12-02 21:56:51.062378",
    "type": "buy"
  },
  {
    "trade_id": 118934411,
    "price": "97317.982651",
    "base_volume": "2432.949566",
    "target_volume": "0.025",
    "trade_timestamp": "2024-12-01 15:26:45.526508",
    "type": "buy"
  },
  {
    "trade_id": 118031476,
    "price": "92976.105823",
    "base_volume": "74.380885",
    "target_volume": "0.0008",
    "trade_timestamp": "2024-11-27 03:10:56.792649",
    "type": "buy"
  }
],
"sell": [
  {
    "trade_id": 128053335,
    "price": "94436.871724",
    "base_volume": "849.931846",
    "target_volume": "0.009",
    "trade_timestamp": "2025-01-11 17:09:01.420155",
    "type": "sell"
  },
  {
    "trade_id": 128039585,
    "price": "94562.848961",
    "base_volume": "756.502792",
    "target_volume": "0.008",
    "trade_timestamp": "2025-01-11 15:32:26.086833",
    "type": "sell"
  },
  {
    "trade_id": 127836640,
    "price": "94218.544982",
    "base_volume": "10.36404",
    "target_volume": "0.00011",
    "trade_timestamp": "2025-01-10 15:54:57.642329",
    "type": "sell"
  },
  {
    "trade_id": 125082220,
    "price": "95069.030818",
    "base_volume": "190.138062",
    "target_volume": "0.002",
    "trade_timestamp": "2024-12-28 18:19:28.354006",
    "type": "sell"
  }
]

```



```

    },
    {
      "trade_id": 125082215,
      "price": "95069.030818",
      "base_volume": "190.138062",
      "target_volume": "0.002",
      "trade_timestamp": "2024-12-28 18:19:18.031663",
      "type": "sell"
    },
    {
      "trade_id": 125082182,
      "price": "95069.030818",
      "base_volume": "190.138062",
      "target_volume": "0.002",
      "trade_timestamp": "2024-12-28 18:18:58.802435",
      "type": "sell"
    },
    {
      "trade_id": 125060149,
      "price": "94758.992332",
      "base_volume": "19.899388",
      "target_volume": "0.00021",
      "trade_timestamp": "2024-12-28 15:46:06.156366",
      "type": "sell"
    },
    {
      "trade_id": 125059862,
      "price": "94797.992603",
      "base_volume": "94.797993",
      "target_volume": "0.001",
      "trade_timestamp": "2024-12-28 15:43:32.300457",
      "type": "sell"
    },
    {
      "trade_id": 120921112,
      "price": "97949.486137",
      "base_volume": "19.589897",
      "target_volume": "0.0002",
      "trade_timestamp": "2024-12-10 01:26:40.696567",
      "type": "sell"
    },
    {
      "trade_id": 117317921,
      "price": "98170.874285",
      "base_volume": "156.09169",
      "target_volume": "0.00159",
      "trade_timestamp": "2024-11-21 22:41:01.788991",
      "type": "sell"
    }
  ]
}

```

Endpoint 3 - /orderbook (Order book depth details)

The /orderbook/ticker_id endpoint is to provide order book information with at least depth = 100 (50 each side) returned for a given market pair/ticker.

Sample request URL- https://trade.grey-hat.io/api/coingecko/orderbook?ticker_id=BTC_USD&depth=10

Response-

```
{
  "ticker_id": "BTC_USD",
  "timestamp": "1740169244823",
  "bids": [
    [
      "95495.608368",
      "0.01"
    ],
    [
      "95476.892652",
      "0.05"
    ],
    [
      "95476.768541",
      "0.2"
    ],
    [
      "95476.517089",
      "0.2"
    ],
    [
      "95476.222179",
      "0.03"
    ],
    [
      "95475.426841",
      "0.2"
    ],
    [
      "95475.381791",
      "0.17944"
    ],
    [
      "95474.895113",
      "0.1109"
    ],
    [
      "95474.230362",
      "0.0435"
    ],
    [
      "95473.01699",
      "0.2177"
    ]
  ],
  "asks": [
    [
      "95498.806818",
      "0.022"
    ],
    [
      "95512.480653",
      "0.12"
    ]
  ]
}
```

```

    ],
    [
        "95513.177523",
        "0.1"
    ],
    [
        "95513.206866",
        "0.031"
    ],
    [
        "95537.009712",
        "0.11833"
    ],
    [
        "95545.456741",
        "0.05698"
    ],
    [
        "95549.19016",
        "0.0986"
    ],
    [
        "95549.400254",
        "0.149"
    ],
    [
        "95549.999092",
        "0.0958"
    ],
    [
        "95550.000992",
        "0.00761"
    ]
]
}

```

B. Derivative Exchanges

Endpoint 1 - /contracts (info & types of products available)

The /contracts endpoint provides a summary of all contracts traded on the exchange. There should be a clear distinction between the type of contracts such as perpetual, futures, options, etc. See below for specifications of data required for the /contracts endpoint:

Sample request URL- <https://trade.grey-hat.io/api/contracts>

Response-

```

[
  {
    "ticker_id": "BTCUSD_250627",
    "base_currency": "USD",
    "quote_currency": "BTC",

```

```

    "last_price": 97889.12482125,
    "base_volume": 1629721.13,
    "usd_volume": 1629721.13,
    "quote_volume": 1629721.13,
    "bid": 97886.53822803,
    "ask": 97895.31546838,
    "high": 98881.05146536,
    "low": 97831.97714089,
    "product_type": "Futures",
    "open_interest": 1629721.13,
    "open_interest_usd": 1629721.13,
    "index_price": 95286.52008502,
    "creation_timestamp": 1735345675,
    "expiry_timestamp": 1751071216,
    "funding_rate": 97889.12482125,
    "next_funding_rate": 97889.12482125,
    "next_funding_rate_timestamp": 1740169244894,
    "maker_fee": 0.2,
    "taker_fee": 0.2,
    "contract_type": "Vanilla",
    "contract_price": 97889.12482125,
    "contract_price_currency": "USD"
  },
  {
    "ticker_id": "LTCUSD_PERP",
    "base_currency": "USD",
    "quote_currency": "LTC",
    "last_price": 124.86194741,
    "base_volume": 555812.55,
    "usd_volume": 555812.55,
    "quote_volume": 555812.55,
    "bid": 124.68859119,
    "ask": 124.86222502,
    "high": 127.06822162,
    "low": 123.93154633,
    "product_type": "Perpetual",
    "open_interest": 555812.55,
    "open_interest_usd": 555812.55,
    "index_price": 125.11534416,
    "creation_timestamp": 0,
    "expiry_timestamp": 0,
    "funding_rate": 124.86194741,
    "next_funding_rate": 124.86194741,
    "next_funding_rate_timestamp": 1740169244894,
    "maker_fee": 0.2,
    "taker_fee": 0.2,
    "contract_type": "Vanilla",
    "contract_price": 124.86194741,
    "contract_price_currency": "USD"
  },
  {
    "ticker_id": "LINKUSDT_PERP",
    "base_currency": "USDT",
    "quote_currency": "LINK",
    "last_price": 17.40028316,
    "base_volume": 122041.77,
    "usd_volume": 122041.77,
    "quote_volume": 122041.77,
    "bid": 17.39673354,

```

```

    "ask": 17.40131107,
    "high": 17.54966588,
    "low": 17.16777587,
    "product_type": "Perpetual",
    "open_interest": 122041.77,
    "open_interest_usd": 122041.77,
    "index_price": 17.4069514,
    "creation_timestamp": 0,
    "expiry_timestamp": 0,
    "funding_rate": 17.40028316,
    "next_funding_rate": 17.40028316,
    "next_funding_rate_timestamp": 1740169244894,
    "maker_fee": 0.2,
    "taker_fee": 0.2,
    "contract_type": "Vanilla",
    "contract_price": 17.40028316,
    "contract_price_currency": "USDT"
  },
  {
    "ticker_id": "ETHUSD_250328",
    "base_currency": "USD",
    "quote_currency": "ETH",
    "last_price": 2665.22643672,
    "base_volume": 593575.62,
    "usd_volume": 593575.62,
    "quote_volume": 593575.62,
    "bid": 2665.2070862,
    "ask": 2665.36314394,
    "high": 2668.32376689,
    "low": 2641.20252197,
    "product_type": "Futures",
    "open_interest": 593575.62,
    "open_interest_usd": 593575.62,
    "index_price": 2650.82697188,
    "creation_timestamp": 1727483201,
    "expiry_timestamp": 1743206400,
    "funding_rate": 2665.22643672,
    "next_funding_rate": 2665.22643672,
    "next_funding_rate_timestamp": 1740169244894,
    "maker_fee": 0.2,
    "taker_fee": 0.2,
    "contract_type": "Vanilla",
    "contract_price": 2665.22643672,
    "contract_price_currency": "USD"
  },
  {
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    "quote_currency": "LINK",
    "last_price": 17.52181682,
    "base_volume": 365789.27,
    "usd_volume": 365789.27,
    "quote_volume": 365789.27,
    "bid": 17.49973932,
    "ask": 17.52623144,
    "high": 17.618767,
    "low": 17.25822217,
    "product_type": "Futures",
    "open_interest": 365789.27,

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    "open_interest_usd": 365789.27,  
    "index_price": 17.39047566,  
    "creation_timestamp": 1727483201,  
    "expiry_timestamp": 1743206400,  
    "funding_rate": 17.52181682,  
    "next_funding_rate": 17.52181682,  
    "next_funding_rate_timestamp": 1740169244894,  
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    "taker_fee": 0.2,  
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    "contract_price_currency": "USD"  
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  {
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    "quote_currency": "XRP",  
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    "base_volume": 501147.71,  
    "usd_volume": 501147.71,  
    "quote_volume": 501147.71,  
    "bid": 2.603166,  
    "ask": 2.6070447,  
    "high": 2.62247299,  
    "low": 2.57807412,  
    "product_type": "Futures",  
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    "open_interest_usd": 501147.71,  
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    "expiry_timestamp": 1751071216,  
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    "taker_fee": 0.2,  
    "contract_type": "Vanilla",  
    "contract_price": 2.60715522,  
    "contract_price_currency": "USD"
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    "quote_currency": "EOS",  
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    "quote_volume": 173266.84,  
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    "open_interest": 173266.84,  
    "open_interest_usd": 173266.84,  
    "index_price": 0.61445238,  
    "creation_timestamp": 0,  
    "expiry_timestamp": 0,  
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    "next_funding_rate": 0.61400705,
    "next_funding_rate_timestamp": 1740169244894,
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    "taker_fee": 0.2,
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    "quote_currency": "LTC",
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    "quote_volume": 291057.5,
    "bid": 128.3576767,
    "ask": 128.73191342,
    "high": 129.84866607,
    "low": 127.45149439,
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    "open_interest": 291057.5,
    "open_interest_usd": 291057.5,
    "index_price": 124.9608657,
    "creation_timestamp": 1735345675,
    "expiry_timestamp": 1751071216,
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    "taker_fee": 0.2,
    "contract_type": "Vanilla",
    "contract_price": 128.52153617,
    "contract_price_currency": "USD"
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  {
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    "quote_currency": "ETH",
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    "base_volume": 107143.33,
    "usd_volume": 107143.33,
    "quote_volume": 107143.33,
    "bid": 2716.40837231,
    "ask": 2716.60263976,
    "high": 2722.96058817,
    "low": 2694.18176805,
    "product_type": "Futures",
    "open_interest": 107143.33,
    "open_interest_usd": 107143.33,
    "index_price": 2652.64120701,
    "creation_timestamp": 1735345675,
    "expiry_timestamp": 1751071216,
    "funding_rate": 2716.7580648,
    "next_funding_rate": 2716.7580648,
    "next_funding_rate_timestamp": 1740169244894,
    "maker_fee": 0.2,
    "taker_fee": 0.2,
    "contract_type": "Vanilla",

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    "contract_price": 2716.7580648,
    "contract_price_currency": "USD"
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    "base_currency": "USD",
    "quote_currency": "XRP",
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    "base_volume": 2033071.39,
    "usd_volume": 2033071.39,
    "quote_volume": 2033071.39,
    "bid": 2.55697244,
    "ask": 2.55844902,
    "high": 2.57047278,
    "low": 2.52572876,
    "product_type": "Futures",
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    "open_interest_usd": 2033071.39,
    "index_price": 2.54077033,
    "creation_timestamp": 1727483201,
    "expiry_timestamp": 1743206400,
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    "next_funding_rate": 2.56157351,
    "next_funding_rate_timestamp": 1740169244894,
    "maker_fee": 0.2,
    "taker_fee": 0.2,
    "contract_type": "Vanilla",
    "contract_price": 2.56157351,
    "contract_price_currency": "USD"
  },
  {
    "ticker_id": "ADAUSD_250328",
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    "base_volume": 469268.32,
    "usd_volume": 469268.32,
    "quote_volume": 469268.32,
    "bid": 0.76429072,
    "ask": 0.76461346,
    "high": 0.77188845,
    "low": 0.7567127,
    "product_type": "Futures",
    "open_interest": 469268.32,
    "open_interest_usd": 469268.32,
    "index_price": 0.75935536,
    "creation_timestamp": 1727483201,
    "expiry_timestamp": 1743206400,
    "funding_rate": 0.76469188,
    "next_funding_rate": 0.76469188,
    "next_funding_rate_timestamp": 1740169244894,
    "maker_fee": 0.2,
    "taker_fee": 0.2,
    "contract_type": "Vanilla",
    "contract_price": 0.76469188,
    "contract_price_currency": "USD"
  },
  {
    "ticker_id": "ETHUSDT_PERP",

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    "base_currency": "USDT",
    "quote_currency": "ETH",
    "last_price": 2650.79315296,
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    "quote_volume": 274122.75,
    "bid": 2650.26059239,
    "ask": 2650.70242185,
    "high": 2660.43999788,
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    "product_type": "Perpetual",
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    "creation_timestamp": 0,
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    "next_funding_rate": 2650.79315296,
    "next_funding_rate_timestamp": 1740169244894,
    "maker_fee": 0.2,
    "taker_fee": 0.2,
    "contract_type": "Vanilla",
    "contract_price": 2650.79315296,
    "contract_price_currency": "USDT"
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  {
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    "base_currency": "USD",
    "quote_currency": "LINK",
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    "base_volume": 158844.66,
    "usd_volume": 158844.66,
    "quote_volume": 158844.66,
    "bid": 17.3947534,
    "ask": 17.39826447,
    "high": 17.54170526,
    "low": 17.18078499,
    "product_type": "Perpetual",
    "open_interest": 158844.66,
    "open_interest_usd": 158844.66,
    "index_price": 17.38284868,
    "creation_timestamp": 0,
    "expiry_timestamp": 0,
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    "next_funding_rate": 17.3947534,
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    "taker_fee": 0.2,
    "contract_type": "Vanilla",
    "contract_price": 17.3947534,
    "contract_price_currency": "USD"
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    "ticker_id": "ADAUSD_250627",
    "base_currency": "USD",
    "quote_currency": "ADA",
    "last_price": 0.77800845,
    "base_volume": 431968.37,
    "usd_volume": 431968.37,

```

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    "quote_volume": 431968.37,
    "bid": 0.77718611,
    "ask": 0.7791084,
    "high": 0.78469006,
    "low": 0.76921223,
    "product_type": "Futures",
    "open_interest": 431968.37,
    "open_interest_usd": 431968.37,
    "index_price": 0.75993418,
    "creation_timestamp": 1735345675,
    "expiry_timestamp": 1751071216,
    "funding_rate": 0.77800845,
    "next_funding_rate": 0.77800845,
    "next_funding_rate_timestamp": 1740169244894,
    "maker_fee": 0.2,
    "taker_fee": 0.2,
    "contract_type": "Vanilla",
    "contract_price": 0.77800845,
    "contract_price_currency": "USD"
  },
  {
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    "base_currency": "USD",
    "quote_currency": "EOS",
    "last_price": 0.61201056,
    "base_volume": 102376.75,
    "usd_volume": 102376.75,
    "quote_volume": 102376.75,
    "bid": 0.61299078,
    "ask": 0.61401153,
    "high": 0.62499342,
    "low": 0.61099205,
    "product_type": "Perpetual",
    "open_interest": 102376.75,
    "open_interest_usd": 102376.75,
    "index_price": 0.61422011,
    "creation_timestamp": 0,
    "expiry_timestamp": 0,
    "funding_rate": 0.61201056,
    "next_funding_rate": 0.61201056,
    "next_funding_rate_timestamp": 1740169244894,
    "maker_fee": 0.2,
    "taker_fee": 0.2,
    "contract_type": "Vanilla",
    "contract_price": 0.61201056,
    "contract_price_currency": "USD"
  },
  {
    "ticker_id": "BTCUSD_250328",
    "base_currency": "USD",
    "quote_currency": "BTC",
    "last_price": 95808.00286479,
    "base_volume": 1815387.24,
    "usd_volume": 1815387.24,
    "quote_volume": 1815387.24,
    "bid": 95791.64231855,
    "ask": 95810.23891675,
    "high": 96713.18426224,
    "low": 95716.32625188,

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    "product_type": "Futures",
    "open_interest": 1815387.24,
    "open_interest_usd": 1815387.24,
    "index_price": 95278.53355399,
    "creation_timestamp": 1727483201,
    "expiry_timestamp": 1743206400,
    "funding_rate": 95808.00286479,
    "next_funding_rate": 95808.00286479,
    "next_funding_rate_timestamp": 1740169244894,
    "maker_fee": 0.2,
    "taker_fee": 0.2,
    "contract_type": "Vanilla",
    "contract_price": 95808.00286479,
    "contract_price_currency": "USD"
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  },
  {
```

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    "base_currency": "USD",
    "quote_currency": "LTC",
    "last_price": 125.50137943,
    "base_volume": 1118189.34,
    "usd_volume": 1118189.34,
    "quote_volume": 1118189.34,
    "bid": 125.42769483,
    "ask": 125.74203595,
    "high": 127.44829105,
    "low": 124.44207846,
    "product_type": "Futures",
    "open_interest": 1118189.34,
    "open_interest_usd": 1118189.34,
    "index_price": 125.18300837,
    "creation_timestamp": 1727483201,
    "expiry_timestamp": 1743206400,
    "funding_rate": 125.50137943,
    "next_funding_rate": 125.50137943,
    "next_funding_rate_timestamp": 1740169244894,
    "maker_fee": 0.2,
    "taker_fee": 0.2,
    "contract_type": "Vanilla",
    "contract_price": 125.50137943,
    "contract_price_currency": "USD"
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  },
  {
```

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    "base_currency": "USDT",
    "quote_currency": "XRP",
    "last_price": 2.54076316,
    "base_volume": 1292850.71,
    "usd_volume": 1292850.71,
    "quote_volume": 1292850.71,
    "bid": 2.54076316,
    "ask": 2.54094362,
    "high": 2.55154753,
    "low": 2.50895118,
    "product_type": "Perpetual",
    "open_interest": 1292850.71,
    "open_interest_usd": 1292850.71,
    "index_price": 2.54185789,
    "creation_timestamp": 0,
```

```

    "expiry_timestamp": 0,
    "funding_rate": 2.54076316,
    "next_funding_rate": 2.54076316,
    "next_funding_rate_timestamp": 1740169244894,
    "maker_fee": 0.2,
    "taker_fee": 0.2,
    "contract_type": "Vanilla",
    "contract_price": 2.54076316,
    "contract_price_currency": "USDT"
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  {
    "ticker_id": "XRPUSD_PERP",
    "base_currency": "USD",
    "quote_currency": "XRP",
    "last_price": 2.54027185,
    "base_volume": 931508.58,
    "usd_volume": 931508.58,
    "quote_volume": 931508.58,
    "bid": 2.54025239,
    "ask": 2.54213928,
    "high": 2.55277202,
    "low": 2.51092579,
    "product_type": "Perpetual",
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    "open_interest_usd": 931508.58,
    "index_price": 2.53905068,
    "creation_timestamp": 0,
    "expiry_timestamp": 0,
    "funding_rate": 2.54027185,
    "next_funding_rate": 2.54027185,
    "next_funding_rate_timestamp": 1740169244894,
    "maker_fee": 0.2,
    "taker_fee": 0.2,
    "contract_type": "Vanilla",
    "contract_price": 2.54027185,
    "contract_price_currency": "USD"
  },
  {
    "ticker_id": "ADAUSDT_PERP",
    "base_currency": "USDT",
    "quote_currency": "ADA",
    "last_price": 0.75918889,
    "base_volume": 466625.93,
    "usd_volume": 466625.93,
    "quote_volume": 466625.93,
    "bid": 0.75229248,
    "ask": 0.76001184,
    "high": 0.76589013,
    "low": 0.75210853,
    "product_type": "Perpetual",
    "open_interest": 466625.93,
    "open_interest_usd": 466625.93,
    "index_price": 0.7601976,
    "creation_timestamp": 0,
    "expiry_timestamp": 0,
    "funding_rate": 0.75918889,
    "next_funding_rate": 0.75918889,
    "next_funding_rate_timestamp": 1740169244894,
    "maker_fee": 0.2,

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    "taker_fee": 0.2,
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    "contract_price": 0.75918889,
    "contract_price_currency": "USDT"
  },
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    "ticker_id": "ADAUSD_PERP",
    "base_currency": "USD",
    "quote_currency": "ADA",
    "last_price": 0.75949023,
    "base_volume": 335234.7,
    "usd_volume": 335234.7,
    "quote_volume": 335234.7,
    "bid": 0.75948968,
    "ask": 0.76031137,
    "high": 0.7666916,
    "low": 0.75241242,
    "product_type": "Perpetual",
    "open_interest": 335234.7,
    "open_interest_usd": 335234.7,
    "index_price": 0.75946882,
    "creation_timestamp": 0,
    "expiry_timestamp": 0,
    "funding_rate": 0.75949023,
    "next_funding_rate": 0.75949023,
    "next_funding_rate_timestamp": 1740169244895,
    "maker_fee": 0.2,
    "taker_fee": 0.2,
    "contract_type": "Vanilla",
    "contract_price": 0.75949023,
    "contract_price_currency": "USD"
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    "quote_currency": "BTC",
    "last_price": 95307.2439668,
    "base_volume": 638132.28,
    "usd_volume": 638132.28,
    "quote_volume": 638132.28,
    "bid": 95313.66796474,
    "ask": 95316.80445012,
    "high": 96428.58821548,
    "low": 95280.09968353,
    "product_type": "Perpetual",
    "open_interest": 638132.28,
    "open_interest_usd": 638132.28,
    "index_price": 95272.2541036,
    "creation_timestamp": 0,
    "expiry_timestamp": 0,
    "funding_rate": 95307.2439668,
    "next_funding_rate": 95307.2439668,
    "next_funding_rate_timestamp": 1740169244895,
    "maker_fee": 0.2,
    "taker_fee": 0.2,
    "contract_type": "Vanilla",
    "contract_price": 95307.2439668,
    "contract_price_currency": "USD"
  },

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```
{
  "ticker_id": "LTCUSDT_PERP",
  "base_currency": "USDT",
  "quote_currency": "LTC",
  "last_price": 125.1182421,
  "base_volume": 609464.26,
  "usd_volume": 609464.26,
  "quote_volume": 609464.26,
  "bid": 124.95782049,
  "ask": 125.31177737,
  "high": 127.61828536,
  "low": 123.91144235,
  "product_type": "Perpetual",
  "open_interest": 609464.26,
  "open_interest_usd": 609464.26,
  "index_price": 125.3139697,
  "creation_timestamp": 0,
  "expiry_timestamp": 0,
  "funding_rate": 125.1182421,
  "next_funding_rate": 125.1182421,
  "next_funding_rate_timestamp": 1740169244895,
  "maker_fee": 0.2,
  "taker_fee": 0.2,
  "contract_type": "Vanilla",
  "contract_price": 125.1182421,
  "contract_price_currency": "USDT"
},
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{
  "ticker_id": "BTCUSDT_PERP",
  "base_currency": "USDT",
  "quote_currency": "BTC",
  "last_price": 95321.78118457,
  "base_volume": 749404.7,
  "usd_volume": 749404.7,
  "quote_volume": 749404.7,
  "bid": 95291.83935332,
  "ask": 95353.56553748,
  "high": 96218.91392742,
  "low": 95222.49738326,
  "product_type": "Perpetual",
  "open_interest": 749404.7,
  "open_interest_usd": 749404.7,
  "index_price": 95319.47266667,
  "creation_timestamp": 0,
  "expiry_timestamp": 0,
  "funding_rate": 95321.78118457,
  "next_funding_rate": 95321.78118457,
  "next_funding_rate_timestamp": 1740169244895,
  "maker_fee": 0.2,
  "taker_fee": 0.2,
  "contract_type": "Vanilla",
  "contract_price": 95321.78118457,
  "contract_price_currency": "USDT"
},
```

```
{
  "ticker_id": "ETHUSD_PERP",
  "base_currency": "USD",
  "quote_currency": "ETH",
  "last_price": 2653.16045424,
```

```

    "base_volume": 318863.13,
    "usd_volume": 318863.13,
    "quote_volume": 318863.13,
    "bid": 2653.14829252,
    "ask": 2653.24180073,
    "high": 2655.0993172,
    "low": 2628.97050611,
    "product_type": "Perpetual",
    "open_interest": 318863.13,
    "open_interest_usd": 318863.13,
    "index_price": 2650.26226659,
    "creation_timestamp": 0,
    "expiry_timestamp": 0,
    "funding_rate": 2653.16045424,
    "next_funding_rate": 2653.16045424,
    "next_funding_rate_timestamp": 1740169244895,
    "maker_fee": 0.2,
    "taker_fee": 0.2,
    "contract_type": "Vanilla",
    "contract_price": 2653.16045424,
    "contract_price_currency": "USD"
  },
  {
    "ticker_id": "LINKUSD_250627",
    "base_currency": "USD",
    "quote_currency": "LINK",
    "last_price": 17.67021302,
    "base_volume": 85180.45,
    "usd_volume": 85180.45,
    "quote_volume": 85180.45,
    "bid": 17.82176759,
    "ask": 17.83218227,
    "high": 18.17421468,
    "low": 17.56965176,
    "product_type": "Futures",
    "open_interest": 85180.45,
    "open_interest_usd": 85180.45,
    "index_price": 17.39564149,
    "creation_timestamp": 1735345675,
    "expiry_timestamp": 1751071216,
    "funding_rate": 17.67021302,
    "next_funding_rate": 17.67021302,
    "next_funding_rate_timestamp": 1740169244895,
    "maker_fee": 0.2,
    "taker_fee": 0.2,
    "contract_type": "Vanilla",
    "contract_price": 17.67021302,
    "contract_price_currency": "USD"
  }
]

```

Endpoint 3 - /orderbook (Order book depth details)

The /orderbook/ticker_id endpoint is to provide order book information with at least depth = 100 (50 each side) returned for a given market pair/ticker. See below for specifications of data required for the /orderbook endpoint:

Sample request URL- https://trade.grey-hat.io/api/contract_depth/LINKUSDT_PERP

Response-

```
{
  "bids": [
    [
      "17.39677797",
      "205.3"
    ],
    [
      "17.39673354",
      "270.3"
    ],
    [
      "17.39672042",
      "80.5"
    ],
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