Historical Data

This API gives you historical candle data for the desired scrip across segments & exchange. This data is presented in the form of a candle and gives you timestamp, open, high, low, close & volume.

POST	/charts/historical	Get OHLC for daily timeframe
POST	/charts/intraday	Get OHLC for minute timeframe

Daily Historical Data

Retrieve OHLC & Volume of daily candle for desired instrument. The data for any scrip is available back upto the date of its inception.

```
curl --request POST \
--url https://api.dhan.co/v2/charts/historical \
--header 'Content-Type: application/json' \
--header 'access-token: JWT' \
--data '{}'
```

Request Structure

```
{
    "securityId": "1333",
    "exchangeSegment":"NSE_EQ",
    "instrument": "EQUITY",
    "expiryCode": 0,
    "oi": false,
    "fromDate": "2022-01-08",
    "toDate": "2022-02-08"
}
```

Parameters

Field	Field Type	Description
securityId *required*	string	Exchange standard ID for each scrip. Refer **here**
exchangeSegment *required*	enum string	Exchange & segment for which data is to be fetched - here
instrument *required*	enum string	Instrument type of the scrip . Refer here
expiryCode *optional*	enum integer	Expiry of the instruments in case of derivatives. Refer **here**
oi *optional*	boolean	Open Interest data for Futures & Options
fromDate *required*	string	Start date of the desired range
toDate *required*	string	End date of the desired range (non-inclusive)

Response Structure

```
{
  "open": [
        3978,3856,3925,3918,3877.85,3992.7,4033.95,4012,3910,3807,3840,3769.5,3731,3646,3749,
        3770,3827.9,3851,3815.3,3791
    ],
  "high": [
    3978,3925,3929,3923,3977,4043,4041.7,4012,3920,3851.55,3849.65,3809.4,3733.4,3729.8,
    3758,3808,3864,3882.5,3824.7,3831.8
    ],
  "low":  [
    3861,3856,3836.55,3857,3860.05,3962.3,3980,3910.5,3811,3771.1,3740.1,3722.2,3625.1,
    3646,3721.4,3736.4,3800.65,3816.05,3769,3756.15
    ],
  "close": [
    3879.85,3915.9,3859.9,3897.9,3968.15,4019.15,3990.6,3914.65,3826.55,3833.5,3771.35,
    3769.9,3649.25,3690.05,3736.25,3800.65,3856.2,3824.6,3814.9,3779
    ],
  "volume":[
```

```
    3937092,1906106,3203744,6684507,3348123,3442604,2389041,3102539,6176776,3112358,
    3258414,3330501,5718297,3143862,2739393,2105169,1984212,1960538,2307366,1919149
    ],
  "timestamp": [
    1326220200,1326306600,1326393000,1326479400,1326565800,1326825000,1326911400,
    1326997800,1327084200,1327170600,1327429800,1327516200,1327689000,1327775400,
    1328034600,1328121000,1328207400,1328293800,1328380200,1328639400
    ],
  "open_interest": [
    0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0]
}
```


Parameters

Field	Field Type	Description
open	float	Open price of the timeframe
high	float	High price in the timeframe
low	float	Low price in the timeframe
close	float	Close price of the timeframe
volume	int	Volume traded in the timeframe
timestamp	int	Epoch timestamp

Intraday Historical Data

Retrieve Open, High, Low, Close, OI & Volume of 1, 5, 15, 25 and 60 min candle for desired instrument for last 5 years. This data available for all exchanges and segments for all active instruments.

```
curl --request POST \
--url https://api.dhan.co/v2/charts/intraday \
--header 'Accept: application/json' \
--header 'Content-Type: application/json' \
--header 'access-token: ' \
--data '{}'
```

Request Structure

```
{
"securityId": "1333",
"exchangeSegment": "NSE_EQ",
"instrument": "EQUITY",
"interval": "1",
"oi": false,
"fromDate": "2024-09-11 09:30:00",
"toDate": "2024-09-15 13:00:00"
}
```

Parameters

Field	Field Type	Description
securityId *required*	string	Exchange standard ID for each scrip. Refer **here**
exchangeSegment *required*	enum string	Exchange & segment for which data is to be fetched - here
instrument *required*	enum string	Instrument type of the scrip . Refer here
interval *required*	enum integer	Minute intervals in timeframe `1`, `5`, `15`, `25`, `60`
oi *optional*	boolean	Open Interest data for Futures & Options
fromDate *required*	string	Start date of the desired range
toDate *required*	string	End date of the desired range

> **Note**
>
> The data size is very large in this scenario and only 90 days of data can be polled at once for any of the above time intervals. It is recommended that you store this data at your end for day-to-day analysis.

Response Structure

Response Structure


```
{
  "open":  [
  3750,3757.85,3751.2,3763.6,3759.55,3759,3761,3763,3767.25,3773.65,3766.1,3765.65,3767.1,3774.15,3775.9,37
  3767.8,3768.8,3764.75,3763.2,3764.9,3764.9,3765.45,3764,3765,3764.5,3764.3,3764.85,3765,3762,3764.2,37
  3758.6,3760,3760.6,3759.05,3757.55,3758.2,3759.6,3760,3759,3759.3,3759.9,3758.8,3758.6,3759.5,3759.55,3
  ],
  "high":  [
  3750,3757.9,3763.6,3765.2,3763.15,3768,3764.75,3766.9,3775,3773.8,3766.9,3768.5,3777.7,3777,3777.95,3775
  3765.8,3765.4,3766,3766,3765.4,3767.35,3765,3765,3767.15,3765.5,3764.25,3764.2,3762.05,3760,3757.1,3757
  3765,3763.55,3764,3765,3763.35,3761.6,3764,3763.4,3762.8,3763.5,3763.8,3763,3760,3762.55,3761,3761,376
  3759.6,3758.8,3758.9,3758.25,3758.2,3758.6,3760,3761.55,3760.6,3759.05,3758.4,3759.6,3760.9,3760.25,376
  ],
  "low":    [
    3750,3746.1,3749.25,3757,3758.65,3758.6,3758,3761,3767.25,3764,3762.15,3765.15,3767.1,3772.25,3772.55,3
    3769,3765,3760,3760,3762.45,3765.25,3765,3761.15,3763.2,3762.4,3764.3,3764,3764,3763.5,3764.25,3762
    3755.3,3756,3756.55,3757.05,3757.15,3757.6,3760,3760,3760,3760,3759.55,3759.5,3758.05,3759.5,3761.05
    3761.85,3761.55,3761.4,3761.95,3759.1,3758.05,3758.55,3759.9,3758.35,3760,3759.8,3759.5,3760,3759.75,3
    3754,3755.1,3755.05,3755.05,3755.6,3756.4,3757.5,3756.25,3756,3756.05,3756.1,3756.7,3759.45,3758.3,375
  ],
  "close":   [
    3750,3751.25,3763.6,3760.85,3759,3761.3,3762.95,3766.9,3772.95,3766.35,3765.55,3767.3,3774.1,3774.95,3
    3771.35,3769.4,3765,3760.35,3762.5,3765.95,3768.35,3767.3,3764.05,3763.2,3764.95,3764.95,3765.45,376
    3760.35,3757.55,3759.95,3757.1,3757.5,3757.65,3758.8,3761.5,3761.05,3761.15,3761.1,3760.25,3759.55,3760,
    3761.05,3763.65,3762.8,3761.55,3763.5,3762.35,3759.95,3759,3760.5,3760.3,3761,3760.9,3759.9,3761.3,376
    3754.9,3755.7,3755.1,3755.55,3755.75,3756.6,3758.85,3758.7,3756.25,3757.4,3757.65,3758.6,3760,3760.6,3
  ],
  "volume":  [
    166,53629,34592,20802,11262,17549,13239,11514,20125,12948,11761,8039,21998,9373,13171,9564,7287,6217,13
    3907,3907,7276,6048,3581,6525,3270,2139,6391,3418,3290,3636,9730,3460,8773,4929,7772,6410,5050,33
    3398,1671,2054,2856,1668,1431,2576,1791,4715,1751,4474,1973,2292,2325,1845,2906,2240,2032,2984,2262,2
    2407,2589,1542,1571,1707,2355,2696,3459,4160,2037,2036,1972,1491,1664,1846,2049,2149,3937,2603,1765,2
  ],
  "timestamp":[
    1328845020,1328845500,1328845560,1328845620,1328845680,1328845740,1328845800,1328845860,1328
    1328847600,1328847660,1328847720,1328847780,1328847840,1328847900,1328847960,1328848020,13288
    1328849760,1328849820,1328849880,1328849940,1328850000,1328850060,1328850120,1328850180,13288
    1328851920,1328851980,1328852040,1328852100,1328852160,1328852220,1328852280,1328852340,132885
  ],
  "open_interest":[
    0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
  ]
}
```


Parameters

Field	Field Type	Description
open	float	Open price of the timeframe
high	float	High price in the timeframe
low	float	Low price in the timeframe
close	float	Close price of the timeframe
volume	int	Volume traded in the timeframe
timestamp	int	Epoch timestamp

Note: For description of enum values, refer Annexure