**WebSocket Server**

**Protocol: Json string**

**IP: 114.55.28.16**

**Port: 8080**

**Subscribe:**

订阅行情推送的是 TICK，而不是 分K。

Chart必须要自行处理。

CN 市场时段: 09:30-11:30 13:00-15:00

**Parameter**

a: action

s: snapshot

v: vlaue

**Request**

{

"a": "subscribe",

"s": "true",

"v": ["CN.SHSE.SH000001", "CN.SHSE.SH600009", "CN.SZSE.SZ000001"]

}

**Response**

{

"mk": {

"topic": "CN.SHSE.SH000001",

"t": "2016-06-21 15:01:09.000",

"tv": "0",

"pcp": "2888.81",

"fp": "2898.38",

"hp": "2919.3",

"lp": "2869.18",

"p": "2878.56",

"ttv": "1.643591E+08",

"ta": "1.982019E+11",

"ncpd": "-10.25",

"pd": "-0.35",

"bp1": "0",

"bp2": "0",

"bp3": "0",

"bp4": "0",

"bs1": "6251715",

"bs2": "0",

"bs3": "0",

"bs4": "0",

"bs5": "0",

"ap1": "0",

"ap2": "0",

"ap3": "0",

"ap4": "0",

"ap5": "0",

"as1": "5300707",

"as2": "0",

"as3": "0",

"as4": "0",

"as5": "0"

}

}

**注释:**

t: MDEntryTime 时间

tv: TradeVolume 交易量

pcp: PrevClosePx 昨日收盘价

fp: FirstPx 开盘价

hp: HighPx 最高价

lp: LowPx 最低价

p: Price 最新价

ttv: TotalVolumeTraded 交易总量

ta: TotalAmount 交易总金额

ncpd: NetChgPrevDDay 涨迭

pd: PriceDelta 涨迭幅

td: TradeDay 交易日

bp1: BidPx1 委托买价1

bp2: BidPx2 委托买价2

bp3: BidPx3 委托买价3

bp4: BidPx4 委托买价4

bp5: BidPx5 委托买价5

bs1: BidSize1 委托买量1

bs2: BidSize2 委托买量2

bs3: BidSize3 委托买量3

bs4: BidSize4 委托买量4

bs5: BidSize5 委托买量5

ap1: AskPx1 委托卖价1

ap2: AskPx2 委托卖价2

ap3: AskPx3 委托卖价3

ap4: AskPx4 委托卖价4

ap5: AskPx5 委托卖价5

as1: AskSize1 委托卖量1

as2: AskSize2 委托卖量2

as3: AskSize3 委托卖量3

as4: AskSize4 委托卖量4

as5: AskSize5 委托卖量5

**UnSubscribe:**

**Parameter**

a: action

v: vlaue

ex:

**Request**

"{'a':'unSubscribe','v':['CN.SHSE.SH000001','CN.SHSE.SH600009','CN.SZSE.SZ000001','CN.SZSE.SZ000005']}"

**Response**

**None**