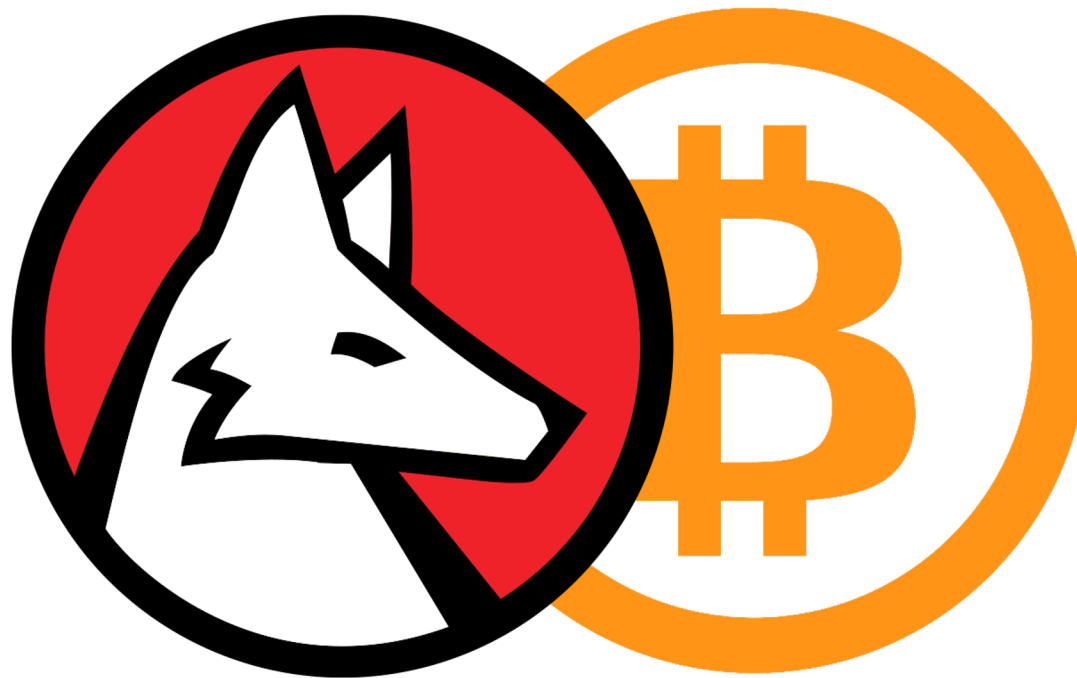



# ExchangeLink: Getting Started with Binance



## Easy installation

Just evaluate in any Wolfram notebook

```
PacletSiteUpdate /@ PacletSites[];  
PacletInstall["KirillBelov/WebSocketJLink"]  
PacletInstall["KirillBelov/ExchangeLink"]
```

```
PacletObject [  Name: KirillBelov/WebSocketJLink  
Version: 1.0.1 ]
```

```
PacletObject [  Name: KirillBelov/ExchangeLink  
Version: 1.0.3 ]
```

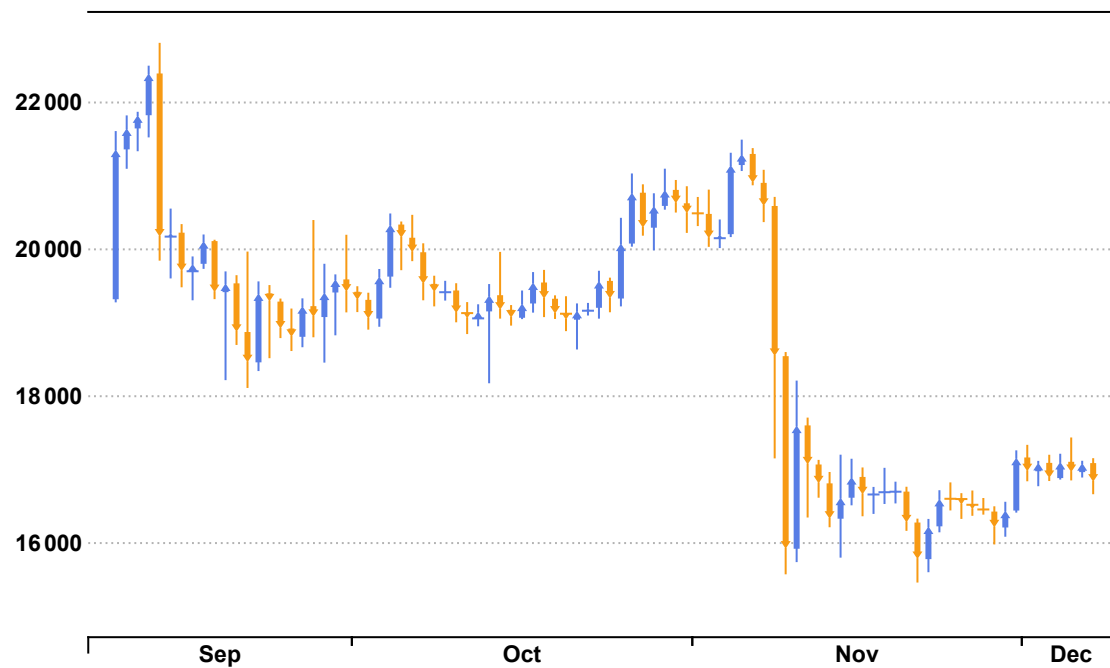
## Easy to use

Bitcoin price candlestick chart

```
<< KirillBelov`ExchangeLink`
```

```
CandlestickChart[
  Query[All, {1, 2 ;; 5}]@
  BinanceKlines["BTCUSDT", "1d", "limit" → 90],
  PlotTheme → "Business", ImageSize → Large, Frame → True, LabelStyle → Directive[Bold, Medium]
]
```


Out[33]=



## Support of WebSockets

Subscribe to bitcoin price updates

```
stream = BinanceMiniTickerStream["btcusdt"]
```

```
WebSocketConnectionObject [  UUID: WebSocketConnection-07dc2edd-68fa-4d30-9273-b2bfff0b1b3  
Data: 0 messages received ]
```


Dynamic price

```
Dynamic[stream["Data"] ["Elements"] [-1, "data", "c"]]
```

16 834.1

Close connection

```
WebSocketClose[stream]
```

```
WebSocketConnectionObject [  UUID: WebSocketConnection-07dc2edd-68fa-4d30-9273-b2bfff0b1b3  
Data: 11 messages received ]
```

## Trade available

Check current price

```
price = BinanceTickerPrice["BTCUSDT"] ["price"]
16835.9
```

Create an order

```
order = BinanceOrderCreate["BTCUSDT", "SELL", "LIMIT",
  "quantity" → "0.001", "price" → ToString[DecimalForm[price * 1.1]], "timeInForce" → "GTC"]
<|symbol → BTCUSDT, orderId → 16242249427, orderListId → -1, clientOrderId → jI2ghXnSCTNY7NYAgJ5uTz,
transactTime → Wed 7 Dec 2022 19:02:32, price → 18519.5, origQty → 0.001, executedQty → 0.,
cumulativeQuoteQty → 0., status → NEW, timeInForce → GTC, type → LIMIT, side → SELL, fills → {}|>
```

And close the order

```
BinanceOrderCancel["BTCUSDT", order["orderId"]]
<|symbol → BTCUSDT, origClientOrderId → jI2ghXnSCTNY7NYAgJ5uTz, orderId → 16242249427,
orderListId → -1, clientOrderId → 4eujeoNy105ptSeF9KZ2q8, price → 18519.5, origQty → 0.001,
executedQty → 0., cumulativeQuoteQty → 0., status → CANCELED, timeInForce → GTC, type → LIMIT, side → SELL|>
```