

On Client Libraries

BandChain.js

Along with the Standard Dataset, we have also released a new version of our [BandChain.js](#) JavaScript client library. This new version comes with a new `getReferenceData` function that allows developers to query data from the Dataset.

To get started, the library needs to be installed:

```
npm
```

install `@bandprotocol/bandchain.js` Then, the library can be imported and used as follows:

```
const
```

```
{
```

```
  Client
```

```
}
```

```
=
```

```
require ( '@bandprotocol/bandchain.js' )
```

```
// BandChain's Proof-of-Authority REST endpoint const endpoint =
```

```
'https://laozi-testnet6.bandchain.org/grpc-web' const client =
```

```
new
```

```
Client ( endpoint )
```

```
const minCount =
```

```
3 const askCount =
```

```
4
```

```
// This example demonstrates how to query price data from // Band's standard dataset async
```

```
function
```

```
exampleGetReferenceData ( )
```

```
{ const rate =
```

```
  await client . getReferenceData ( [ 'BTC/USD' ,
```

```
    'BTC/ETH' ,
```

```
    'EUR/USD' ,
```

```
    'EUR/ETH' ] , minCount , askCount ) return rate }
```

```
; ( async
```

```
( )
```

```
=>
```

```
{ console . log ( await
```

```
exampleGetReferenceData ( ) ) } ) ( ) For a full tutorial and more usage on BandChain.js, please refer to the Getting Started section.
```

PyBand

```
from pyband . client import Client
```

```
def
main ( ) :
```

Step 1

grpc_url

```
"""
```

ex.laozi-testnet6.bandchain.org(without https://)

c

```
Client ( grpc_url )
```

Step 2

```
print ( c . get_reference_data ( [ "BTC/USD" ,
"ETH/USD" ] ,
3 ,
4 ) )
```

```
if name ==
```

"main" : main () And running the code above should return a result that looks like this.

```
[ ReferencePrice ( ( pair =
"BTC/USD" ) , ( rate =
34614.1 ) , ( updated_at = ReferencePriceUpdated ( ( base =
1625655764 ) ,
( quote =
1625715134 ) ) ) ) , ReferencePrice ( ( pair =
"ETH/USD" ) , ( rate =
2372.53 ) , ( updated_at = ReferencePriceUpdated ( ( base =
1625655764 ) ,
( quote =
```

1625715134)))] For a full tutorial and more usage on PyBand, please refer to the [Getting Started](#) section. [Previous With CosmWasm Next Through a REST API Endpoint](#)