# TrueData™ Java Code Sample for Market Data API (HTTP) v 6.1

Updated

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**NOTE:-**

This is just a sample code in Java for the TrueData HTTP API. Please refer the main API documentation along side this code to better improve your code and understanding of the data flow. Please contact out support for assistance.

# 1. Login

```
OkHttpClient client = new OkHttpClient();


MediaType mediaType = MediaType.parse("application/x-www-form-urlencoded");

RequestBody body = RequestBody.create(mediaType,
"UserId=enter_your_user_id_here&Provider=TRUEDATA&Password=enter_your_password_here");

Request request = new Request.Builder()

  .url("http://180.179.151.146/IDAUTH/Login.aspx")

  .post(body)

  .addHeader("Content-Type", "application/x-www-form-urlencoded")

  .addHeader("Cache-Control", "no-cache")

  .build();


Response response = client.newCall(request).execute();
```

## 2. Logout

```
OkHttpClient client = new OkHttpClient();


MediaType mediaType = MediaType.parse("application/x-www-form-urlencoded");

RequestBody body = RequestBody.create(mediaType,
"UserId=enter_your_user_id_here&Provider=TRUEDATA&Password=enter_your_password_here");

Request request = new Request.Builder()

  .url("http://180.179.151.146/IDAUTH/Logout.aspx")

  .post(body)

  .addHeader("Content-Type", "application/x-www-form-urlencoded")

  .addHeader("X-Authz", "Enter your Auth Code here >> Looks Like this >
AfSWAh3NrObTAFE3SHvxJRFBHjbUaqNXmXFy6mv/rRr4A55CEBCWwD06jjsU27XWuGh3me1jkJq3XB
Dk8hvf5A==")

  .addHeader("Cache-Control", "no-cache")

  .build();


Response response = client.newCall(request).execute();
```

## 3. SNAPM (Subscribe to symbols + get Snapshot data / Last Cached Values)

```
OkHttpClient client = new OkHttpClient();


MediaType mediaType = MediaType.parse("application/octet-stream");

RequestBody body = RequestBody.create(mediaType, "1000007,1001330,2049488,NIFTY 50");

Request request = new Request.Builder()

  .url("http://180.179.151.146/mxds/idmdata.aspx?cmd=SNAPM,youruserid")

  .post(body)

  .addHeader("X-Authz", "Enter your Auth Code here >> Looks Like this >
85XyhRruGuEwa/fBVjs7XhJCKHLC5wz61KVwUERLuRYIhxyrfm9jkcQB11bG3XelqZzb5BcK+OQlfNY2fm
+acA==")

  .addHeader("Cache-Control", "no-cache")

  .build();


Response response = client.newCall(request).execute();
```

## 4. Heartbeat (Send within every 2 mins)

```
OkHttpClient client = new OkHttpClient();


MediaType mediaType = MediaType.parse("application/x-www-form-urlencoded");

RequestBody body = RequestBody.create(mediaType,
"UserId=enter_your_user_id_here&Provider=TRUEDATA&Password=enter_your_password_here");

Request request = new Request.Builder()

  .url("http://180.179.151.146/IDAUTH/Heartbeat.aspx")

  .post(body)

  .addHeader("Content-Type", "application/x-www-form-urlencoded")

  .addHeader("X-Authz", " Enter your Auth Code here ")

  .addHeader("Cache-Control", "no-cache")


  .build();


Response response = client.newCall(request).execute();
```

## 5. Market Data (Live ) - Mdata - Send after every 1 sec with latest sequence number

```
OkHttpClient client = new OkHttpClient();

Request request = new Request.Builder()
  .url("http://180.179.151.146/mxds/idmdata.aspx?cmd=d;MDATA,youruserid,0,0,0")
  .post(null)
  .addHeader("X-Authz", " Enter your Auth Code here")
  .addHeader("Cache-Control", "no-cache")


  .build();

Response response = client.newCall(request).execute();
```

## 6. Current Day Tick History

```java
OkHttpClient client = new OkHttpClient();

Request request = new Request.Builder()
  .url("http://180.179.151.146/mxds/idticks.aspx?t=2049488&nd=0&p=0")
  .get()
  .addHeader("X-Authz", " Enter your Auth Code here")
  .addHeader("Cache-Control", "no-cache")
  .build();

Response response = client.newCall(request).execute();
```

## 7. Current Day Minute History

```
OkHttpClient client = new OkHttpClient();

Request request = new Request.Builder()
  .url("http://180.179.151.146/mxds/id1min.aspx?t=2049488&nd=0&p=0")
  .get()
  .addHeader("X-Authz", " Enter your Auth Code here")
  .addHeader("Cache-Control", "no-cache")
  .addHeader("Postman-Token", "e708c157-bab7-4228-ad47-c88dcd16617e")
  .build();

Response response = client.newCall(request).execute();
```

## 8. Historical Tick Data - Number of Days

```
OkHttpClient client = new OkHttpClient();


Request request = new Request.Builder()
  .url("http://180.179.151.146/mxds/idticks.aspx?t=2049488&nd=2")
  .get()
  .addHeader("X-Authz", " Enter your Auth Code here")
  .addHeader("Cache-Control", "no-cache")
  .addHeader("Postman-Token", "88f5a020-61b6-4d75-9b3f-cf254f979a24")
  .build();


Response response = client.newCall(request).execute();
```

## 9. Historical Bar History (1,5,15, 60 min) - Number of Days

```
OkHttpClient client = new OkHttpClient();

Request request = new Request.Builder()

.url("https://www.truedata.in/hist_min_num.php?mode=hmcf&token=2050139&minutes=1&days=
1&user= enter_your_user_id_here&pwd= enter_your_password_here ")
  .get()
  .addHeader("X-Authz", " Enter your Auth Code here")
  .addHeader("Cache-Control", "no-cache")
  .build();

Response response = client.newCall(request).execute();
```

## 10.    Historical Bar History (1,5,15, 60 min) - Date Range

OkHttpClient client = new OkHttpClient();

Request request = new Request.Builder()

.url("https://www.truedata.in/hist_min_cal.php?mode=hmcf&token=2050139&minutes=5&sdate=20180502&edate=20180510&user= enter_your_user_id_here&pwd= enter_your_password_here ")

  .get()

  .addHeader("X-Authz", " Enter your Auth Code here")

  .addHeader("Cache-Control", "no-cache")

  .build();

Response response = client.newCall(request).execute();

## 11. Historical EOD History (Adjusted) - Number of Days

```
OkHttpClient client = new OkHttpClient();


Request request = new Request.Builder()
  .url("https://www.truedata.in/hist_eod_num.php?mode=hdcf&token=2050139&days=100&user= enter_your_user_id_here&pwd= enter_your_password_here ")
  .get()
  .addHeader("X-Authz", " Enter your Auth Code here")
  .addHeader("Cache-Control", "no-cache")
  .build();


Response response = client.newCall(request).execute();
```

## 12.   Master 1 downlaod - zip format

```
OkHttpClient client = new OkHttpClient();


Request request = new Request.Builder()
  .url("http://180.179.151.146/IM/1.Nmaster1.zip")
  .get()
  .addHeader("X-Authz", " Enter your Auth Code here")
  .addHeader("Cache-Control", "no-cache")
  .build();


Response response = client.newCall(request).execute();
```

## 13.    Corporate Action - Latest

```
OkHttpClient client = new OkHttpClient();


Request request = new Request.Builder()
 .url("http://65.182.110.13/idDataService/idxDataService.aspx?cmd=cahtk&m=1&t=1004963")
 .get()
 .addHeader("X-Authz", " Enter your Auth Code here")
 .addHeader("Cache-Control", "no-cache")
 .build();


Response response = client.newCall(request).execute();
```