MT5 History Plugin Documentation

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# 1. Application expected behavior

For a given set (Symbol, from-date, to-date, period), the below features are expected:

* The symbol cannot be empty and should have one symbol only for each request message.
* Request message should have proper message type and other required fields. Example of request message is **“**messageType, symbol, from-datetime, to-datetime, period,TRUE**”** or **“**getHistory, EURUSD, 1516077481, 1516106281, 1, TRUE**”.**
* Only one client will connect to server at one time and client will open another session for sending new Request message.
* The response message will be send to client and maximum chart value will be 200 calculated bars. Also, server will send the information in the given format {head}: {values}: {tail}
* The example of response message format is {1516082400|1516106280|120}: {[1.22182,1.22185,1.22175,1.22176]; ….}: {end}

The application will connect to MT5 server via Manager API and request the chart bars for a given time. It will perform all the above functionality at present and if needed enhancement is required later.

# 2. Application parameters

## 2.1 MT5 Server inputs

Please extract HistoryManager.zip in any suitable location and it will extract as following structure.

MANAGER\_API\Application\History Manager\Executable

## 2.2 How to Execute the application

There is a .bat file which will help to execute the application.

Three arguments are required to pass to execute this application. Server, Login and Password for MT5 Server.

## 2.3 Request Message

Request message should have Message Type, Symbol, from time stamp, to time stamp, period in minutes and flag.

It must have only one Symbol per request message.

## 2.4 Response Message

Response Message will have three sections head, data and tail.

Head part contains three fields from time stamp, to time stamps and period in seconds.

Data part will contain data within “[]” and the format are like [Open, High, Low, Close]. There will be “;” to separate between two data parts.

Tail part will have “end” as message to identify it is the end of response message.

\* If the request message is invalid it will send “It is not a valid message.” in response message.

\*\* If it received no ticks from MT5 server then it will send “No bars received from server.” In response message.

# 3. Example of Request Message

## 3.1 Request for current chart values.

“getHistory,EURUSD,0,0,1,TRUE”

## 3.2 Request for chart values within a time frame.

“getHistory,EURUSD,1516096200,1516269000,1,TRUE”

# 3. Example of Reponse Message

## 3.1 Request for current chart values.

{1516258800,1516270740,60}: {[1.22083,1.221,1.22082,1.22098]; [1.22084,1.2209,1.22076,1.22084]; ...............}. {end}

## 3.2 Request for chart values within a time frame.

{1516257060,1516269000,60}: {[1.22057,1.22059,1.22034,1.22043]; [1.22064,1.22064,1.22053,1.22056]; ...........}. {end}