History Server Client

User guide

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Annotation

History Server Client – it is a program to review the last price of the market.

History Server Client (HS Client) is a client application, which connecting to History Server (HS). After connecting HS send to HS Client the history of last prices for requested time. After sending last history HS starting send each change of price and volume. HS Client receives change and displaying it on a screen as a vertical bar according to selected time frame..
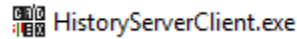
HS Client uses GridEx API.

Requirements: Windows 7+, the CPU better than Core i7, 16Gb RAM, Internet connection is not less than 100 Mbit, .NET Framework 4.7.2: https://www.microsoft.com/net/download/dotnet-framework-runtime

The relevance of the data **highly dependents** on the quality and wide of the internet channel, as well as ping to the Market Depth Server GridEx.
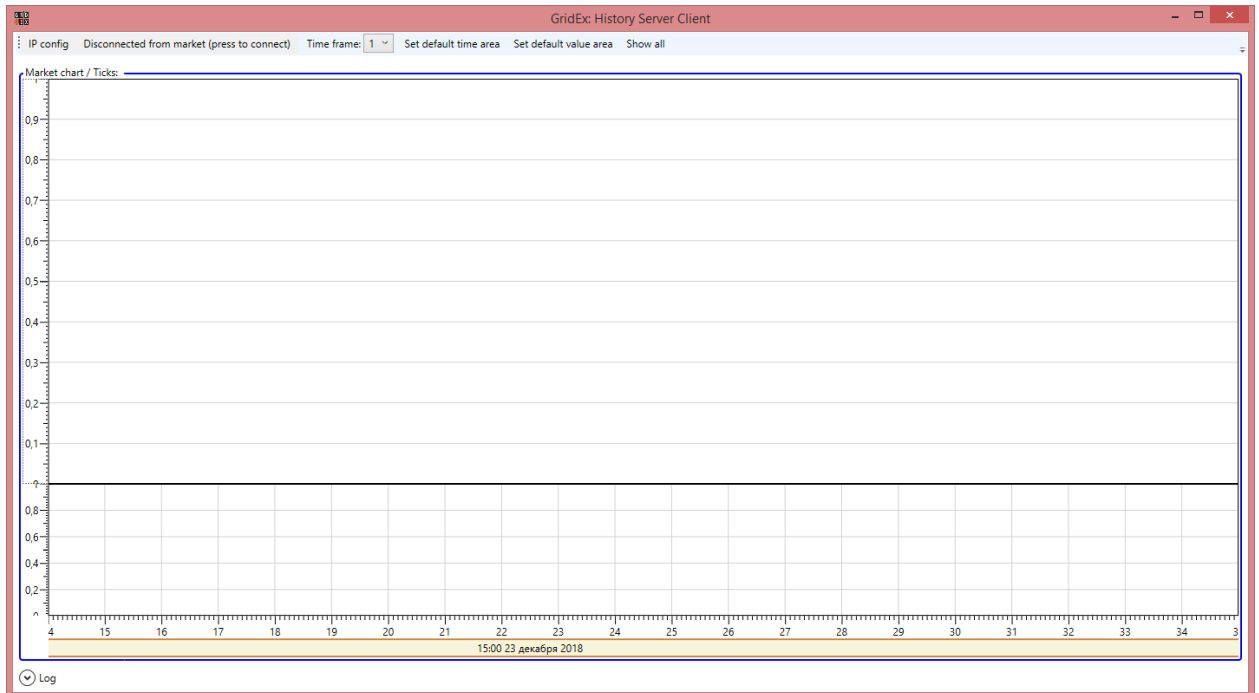
For displaying datas we used an open source library DynamicDataDisplay (https://github.com/dotnetprojects/DynamicDataDisplay) via NuGet package.

Running and stopping the GridEx History Server Client

1) Run the « HistoryServerClient.exe» file

 HistoryServerClient.exe

2) Wait while opening main window:

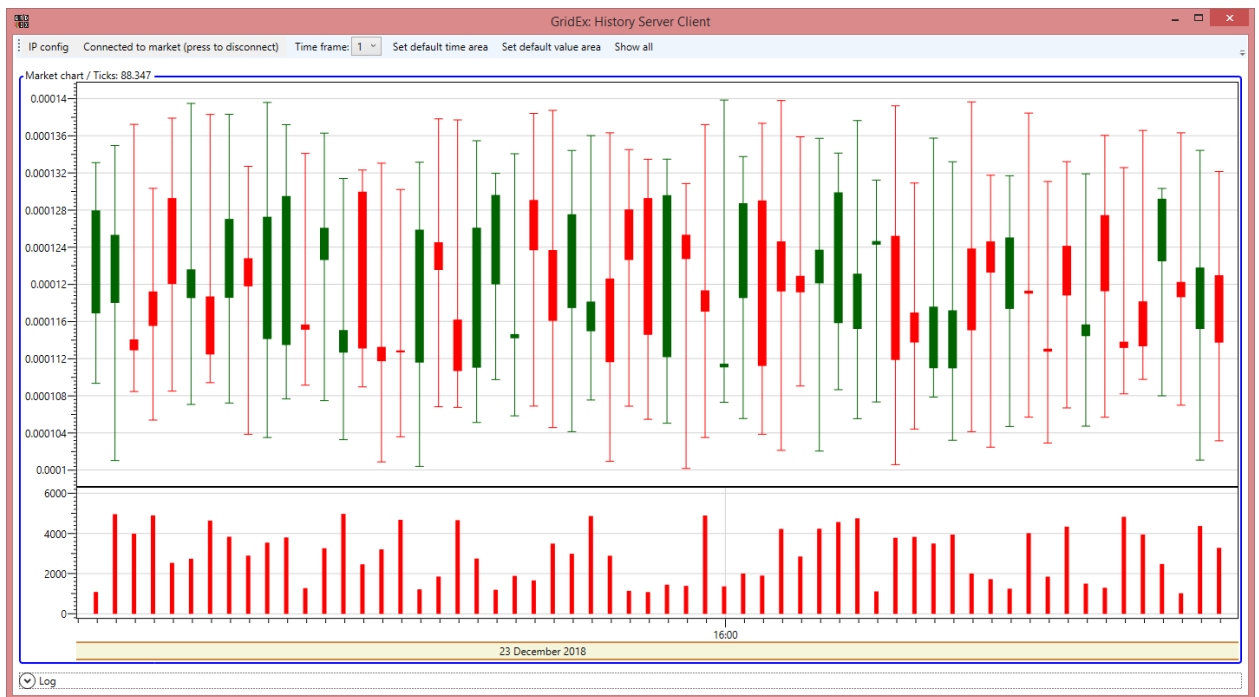3) Click on the «Disconnected from market» button to connect to the HS:

4) Wait while program connecting to server and running backgroung processes. At this time period Start button disabled and display «Connecting to the server»:

5) When program finished connection Start button is Enabled and displays «Connected to Market»:

6) Is all is Ok application starting displays snapshot of the current Market state:

7) For stop press click on the «Connected to market»:

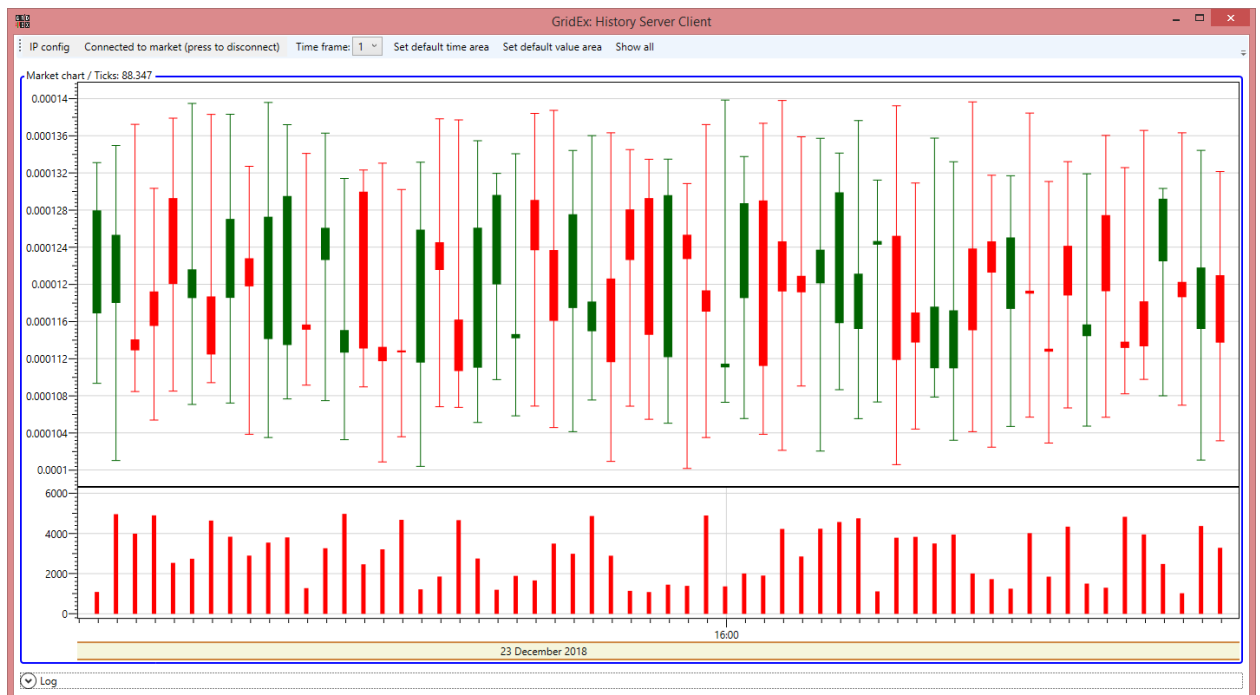8) When background processes finished «Connected to the server» button changes to «Disconnected from market».

9) You can exit from application or close is by standard window button (program will disconnect from server correct).

History overview and navigation

HS Client receives each change of price and volume, continuously build history and displays it at main window:

When time of new change exceeds the time of last bar more than selected time frame, HS client starts drawing a new bar.
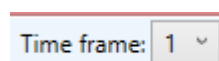
User interface of application consists of several parts:

➢ Options;

➢ Price plot;

➢ Volume plot;

➢ Log.

Options area.

Options area consist of :

• supported time frames – you can choose between available time frames im minutes (they are part of GridEx API) and new bar will draw after when time of new new change will depends on current bar more than selected time frame

- set default time area – you can set default time by this button (default area will select time area for 20 last bars)

<div align="center">

Set default time area

</div>

- set default value area – you can set default value by this button (default area will select automatically to contain all values of valumes)
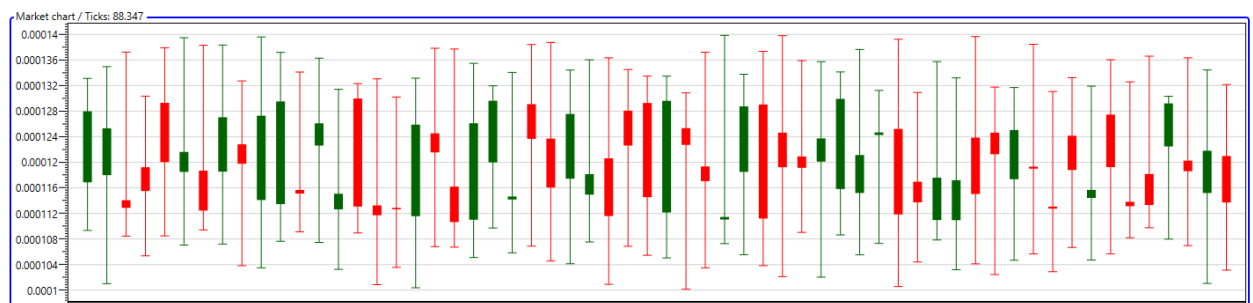
<div align="center">

Set default value area

</div>

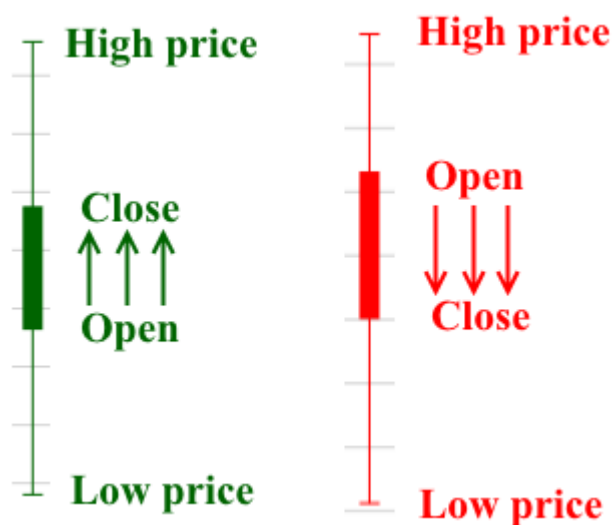- show all – chart will contains all datas (for prices and volumes) from first available bar

<div align="center">

Show all

</div>

Price plot.

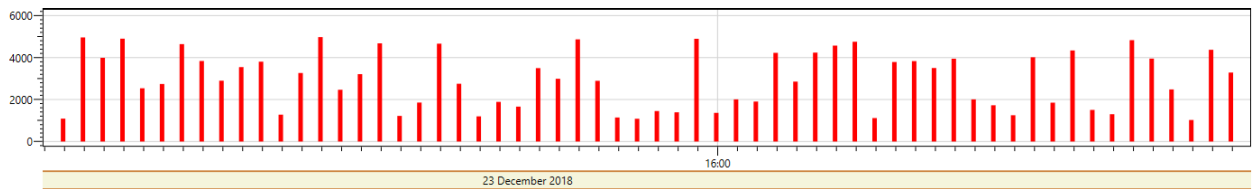Price plot – is a plot for prices of deals.

When the open price is smaller than the price of close - smaller than the price of close – you will see the **green bar**. When the open price is bigger than the price of close - you will see the **red bar**:
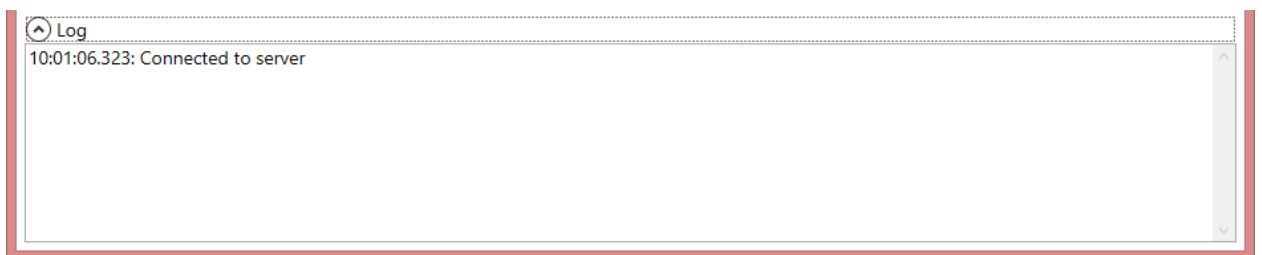

Volume plot.

Volume plot – is a plot for total volume of deals for the concrete bar.

Volume plot contains a time axis. You can scroll it by mouse wheel grag by mouse left bautton. Also you can scroll and drag value axis of price plot and volume plot independently.

Log.

HS Client write some messages to log area. If error or event occurs then log will open automatically:

Network settings

You can change IP address and port number by «IP config» button: