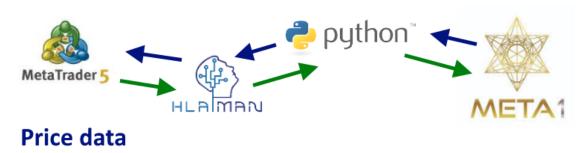
Meta1 Plugin overview.



Trade commands

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ïme	Source	Message	Python Journal	
2019.06.10 14:01:58.701	Meta1Plugin	BTS:USD time:00:00:00 ask:0.05985	4 bid:0.059129 last:0.059854 vd	
2019.06.10 14:01:58.949	Meta1Plugin	EUR:USD time:00:00:00 ask:1.12797	9 bid:1.083000 last:1.083000 volume:1 volume_real:0.059129	
2019.06.10 14:02:09.840	Meta1Plugin	METAl Service process		
2019.06.10 14:02:10.072	Meta1Plugin	BTS:USD time:00:00:00 ask:0.05985	4 bid:0.059129 last:0.059854 volume:1 volume_real:537.443400	
2019.06.10 14:02:10.309	Meta1Plugin	EUR:USD time:00:00:00 ask:1.12797	9 bid:1.083000 last:1.083000 volume:1 volume_real:0.059129	
		Calendar Company Market Alerts Signals	Articles Code Base Experts Journal	Strategy Tes

- 1. Plugin core "Hlaiman" to receive quotes data and to send trade commands through Python API from MT5 terminal to Meta1 blockchain.
- 2. MT5 service to translate quotes data from plugin core into MT5 terminal custom symbols.
- 3. Automatically created custom mt5 symbols according to selected blockchain and plugin parameters.
- 4. Simple script to create trade panel.
- 5. Trade panel for manual trading tests.
- 6. Any of graphical tools, indicators etc of the terminal to using on custom meta1 charts.

Parameters of the plugin.

In the Hlaiman core parameters can be selected path to the python library. This library file included in the public python distributive package and can be integrated into the final distributive of the plugin.

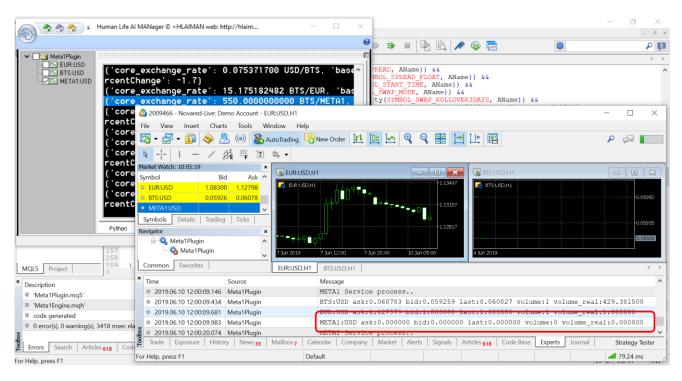
Program Options Setting						
Hlaiman x32						
Options Java Script Pascal Script Python Script R Script						
Main Path: C:\Program Files (x86)\Hlaiman\hlaim.exe	Run Java script on program statrup					
Python Lib: C:\Program Files (x86)\Python37-32\python37.dll R Home dir:	Run Python script on program statrup Run R script on program statrup					
R nome our:						
🗸 ок	X Cancel ? Help					

In the parameters of MT5 service user can set desired symbols, login, password, node, secret etc. The plugin initializes all service information for each symbol. Cyclically updates quotes for all symbols. For these symbols, operations in the terminal are available.

Variable	Value		
ab) BridgeApp	\\.\pipe\Hlaim.Application		
🕍 DebugMode	true		
123 Node	wss://bitshares.openledger.info/ws		
ab) User	mindful-me		
ab Password	5JQRDov2TH6EQnqaotiNduiexDV95YH4JeE		
ab) Account	xeroc		
ab) Secret	secret-passphrase		
ab) Symbols	BTS:USD,EUR:USD		
123 Timeout	10000		
📫 Color	Yellow		
ڬ UseLocal	true		
		Load	4
		LUGU	

The main advantage of the MT5 terminal is ability to test traders strategies in the strategy tester. With plugin user can test any EA in strategy tester using meta1 price data but it needs history data. Unfortunately, the blockchain gives zero Bid Ask quotes for the target META1:USD symbol yet, but for debugging, the interface allows you to download any tick or bar data. Then

on this symbol you can perform any analytical actions - development and launch of indicators, advisors, etc.. For example we tested simplest standard Moving Average MT5 EA on BTS quotes.



Strategy Tester Report

MetaQuotes-Demo (Build 2072)

Settings Expert: Moving Average Symbol: BTS:USD Period: Daily (2018.01.16 - 2019.06.09) Inputs: MaximumRisk=0.02 DecreaseFactor=3 MovingPeriod=12 MovingShift=9 Broker: MetaQuotes Software Corp Currency: USD Initial Deposit: 10 000.00 Leverage: 1:100 Results History Quality: 0% Bars: 408 Ticks: 1715 Symbols: 1 Total Net Profit: 188.62 Equity Drawdown Absolute: Balance Drawdown Absolute: 0.00 3.88 Gross Profit: 203.48 Balance Drawdown Maximal: 8.62 (0.08%) Equity Drawdown Maximal: 49.35 (0.49%) Balance Drawdown Relative: Equity Drawdown Relative: 0.49% (49.35) Gross Loss: -14.86 0.08% (8.62) Profit Factor: 13.69 Expected Payoff: 14.51 4993.82% Margin Level: Z-Score: Recovery Factor: 3.82 Sharpe Ratio: 0.58 -0.72 (52.85%) AHPR: 1.0014 (0.14%) LR Correlation: 0.76 OnTester result: 0 GHPR: 1.0014 (0.14%) LR Standard Error: 42.05 Total Trades: 13 Short Trades (won %): 10 (60.00%) Long Trades (won %): 3 (100.00%) Total Deals: 26 Profit Trades (% of total): 9 (69.23%) Loss Trades (% of total): 4 (30.77%) Largest profit trade: 64.74 Largest loss trade: -6.24 Average profit trade: 22.61 Average loss trade: -3.72 Maximum consecutive wins (\$): 5 (0.00) aximum consecutive losses (\$): 3 (-8.62) Maximal consecutive profit (count): 149.03 (3) Maximal consecutive loss (count): -8.62 (3) Average consecutive wins: Average consecutive losses: 3 2 Balance 10193 10152 10112 10071 10031

16 17 19 20 21 23 24 25 27 28 29 31 32

9990

To check the manual trading operations (opening orders) for the META1 symbol in the MT5 interface, a script Meta1Dialog.mq5 with the trade panel was developed, but unfortunately, as mentioned above, the blockchain does not provide adequate pricing data on META1 and there are problems with authorization during sending trade commands. We hope that in the near future these problems will be fixed and this feature, just like those listed above, will work fine.