

## Expert Advisor “EconomicNewsTrading-Optimization”

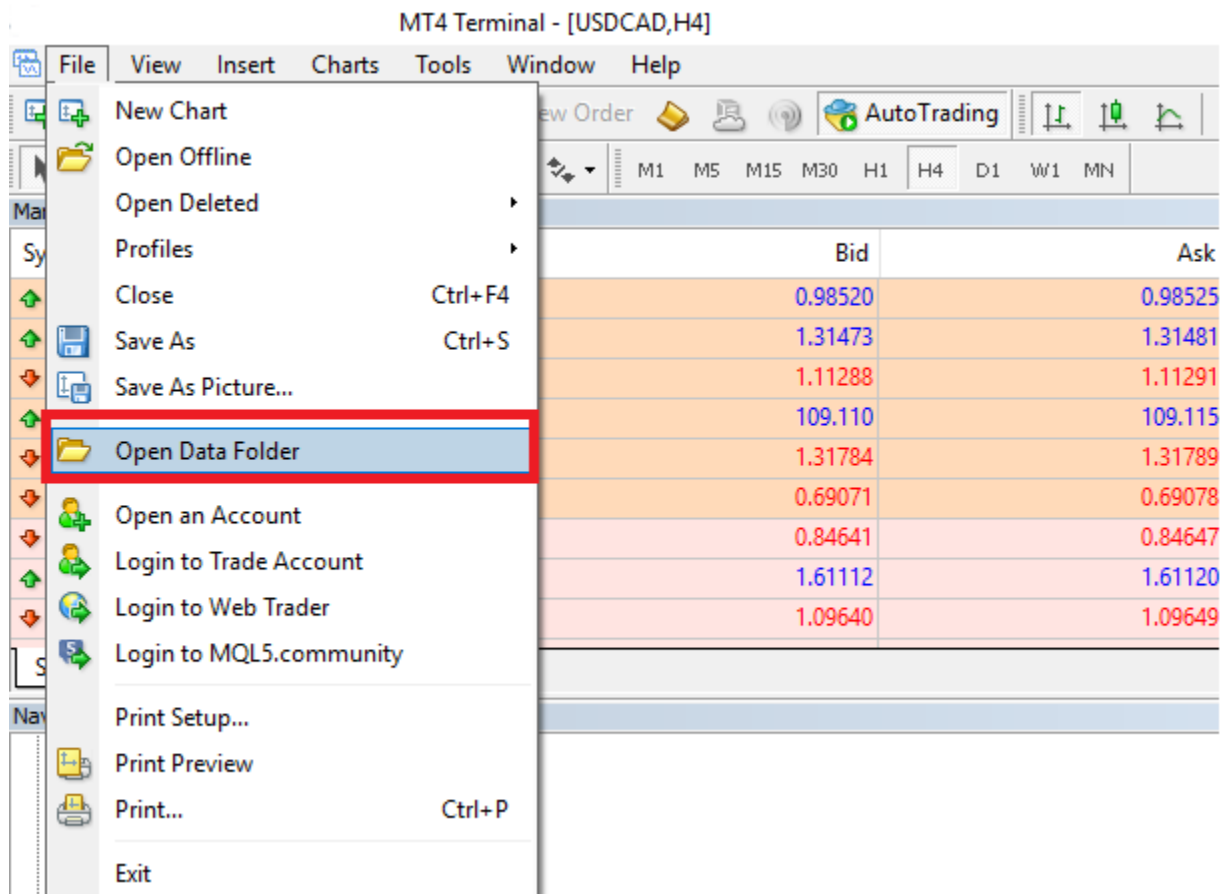
### 1. Introduction

Expert Advisor “EconomicNewsTrading-Optimization” was created specially for news triggers setup and optimization. Expert advisor allows trader to optimize positive and negative deviation between forecast and actual, Stop Loss, Take Profit, Trailing Stop, Delay between news release and time when news feed provider has provided actual value, etc. based on historical economic news releases data.

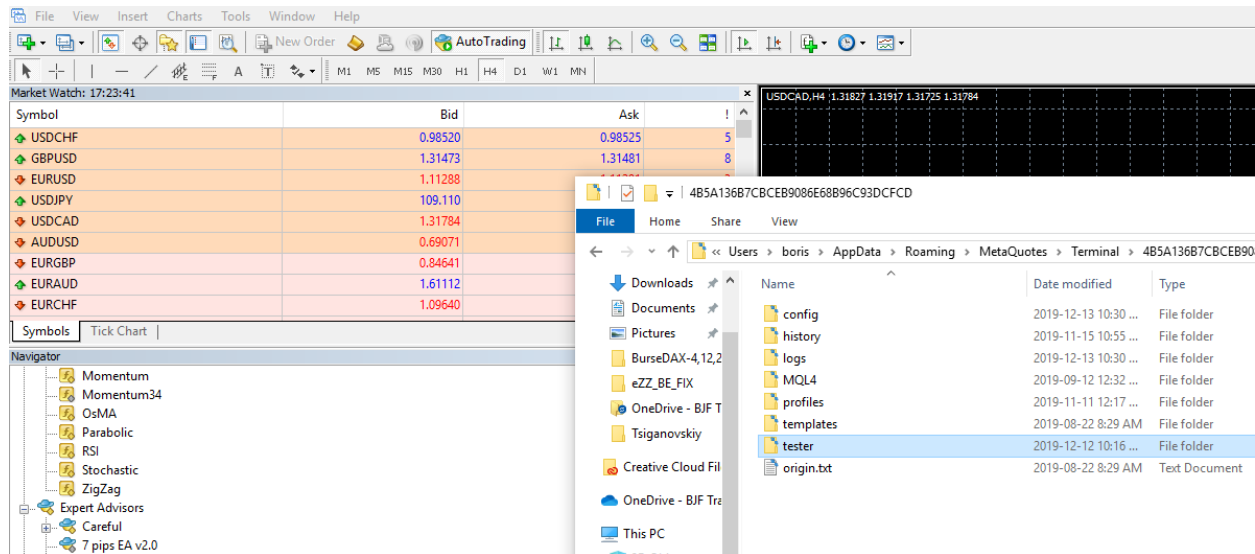
### 2. Installation

2.1 Download indicator and unzip;

2.2 Open MT4 data folder: File -> Open Data Folder;



2.3 The following window should open;



2.4 Copy all files from unzipped folder “tester/file/” to MT4 Data folder: tester/file/ and file EconomicNewsTrading-Optimization.ex4 from unzipped folder Mql4/experts/ to MT4 Data folder: Mql4/experts/.

### 3. Optimization

3.1 Open MT4 Tester/Optimizer;

3.2 Select EconomicNewsTrading-Optimization expert advisor;

3.3 Select “Every tick....” Model;

3.4 Select optimization period. We uploaded economic news data from January 2019 till December 2019. You can save new data from myfxbook news calendar and add to MT4 Data folder: tester/file/ folder. Optimization period should correspond economic news data files;



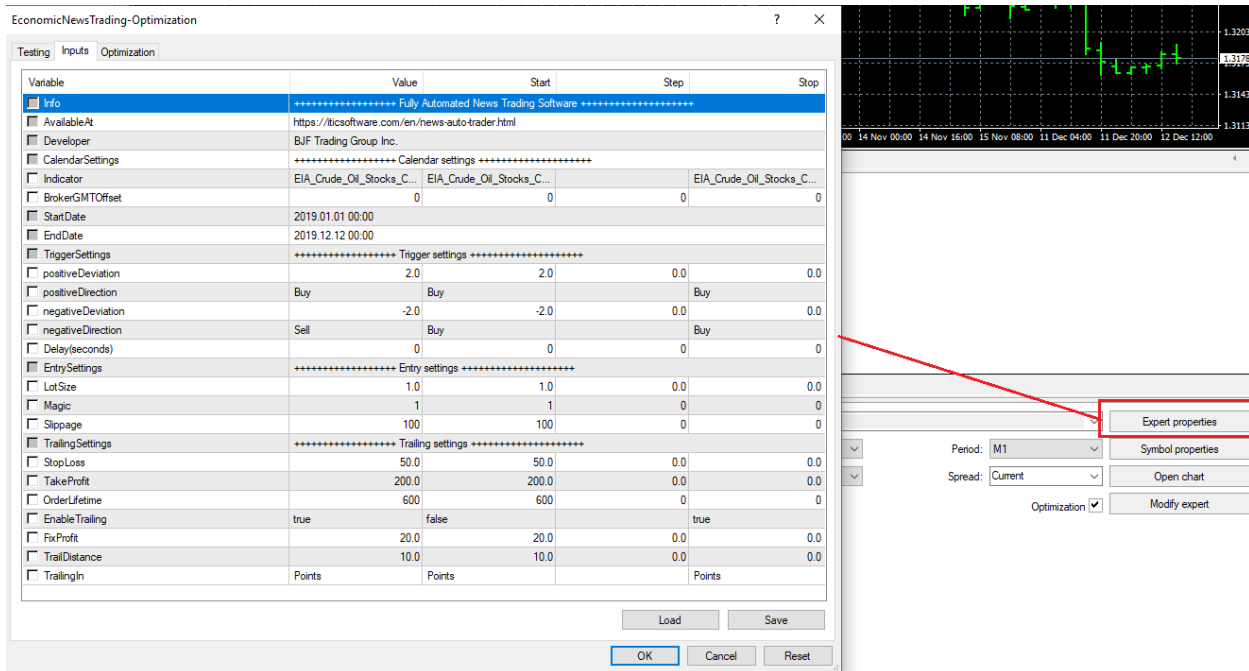
3.5. Select period M1;

3.6 Select spread “Current” or little bit higher then current to imitate spread during economic news release;

3.7 Tick “Optimization box”;

#### 4. Expert Advisor “EconomicNewsTrading-Optimization” parameters

**Indicator** – economic indicator name for optimization or testing;



Variable	Value	Start	Step	Stop
<b>Info</b>				
AvailableAt	https://iticssoftware.com/en/news-auto-trader.html			
Developer	BJF Trading Group Inc.			
<b>CalendarSettings</b>				
Indicator	EIA_Crude_Oil_Stocks_C...	EIA_Crude_Oil_Stocks_C...		EIA_Crude_Oil_Stocks_C...
BrokerGMTOffset	0	0	0	0
StartDate	2019.01.01 00:00			
EndDate	2019.12.12 00:00			
<b>TriggerSettings</b>				
positiveDeviation	2.0	2.0	0.0	0.0
positiveDirection	Buy	Buy	Buy	Buy
negativeDeviation	-2.0	-2.0	0.0	0.0
negativeDirection	Sell	Buy	Buy	Buy
Delay(seconds)	0	0	0	0
<b>EntrySettings</b>				
LotSize	1.0	1.0	0.0	0.0
Magic	1	1	0	0
Slippage	100	100	0	0
<b>TrailingSettings</b>				
StopLoss	50.0	50.0	0.0	0.0
TakeProfit	200.0	200.0	0.0	0.0
OrderLifetime	600	600	0	0
EnableTrailing	true	false	true	true
FxProfit	20.0	20.0	0.0	0.0
TrailDistance	10.0	10.0	0.0	0.0
TrailingIn	Points	Points	Points	Points

Buttons: Load, Save, OK, Cancel, Reset

Expert properties, Symbol properties, Open chart, Modify expert

You can select economic indicator from the list

EconomicNewsTrading-Optimization

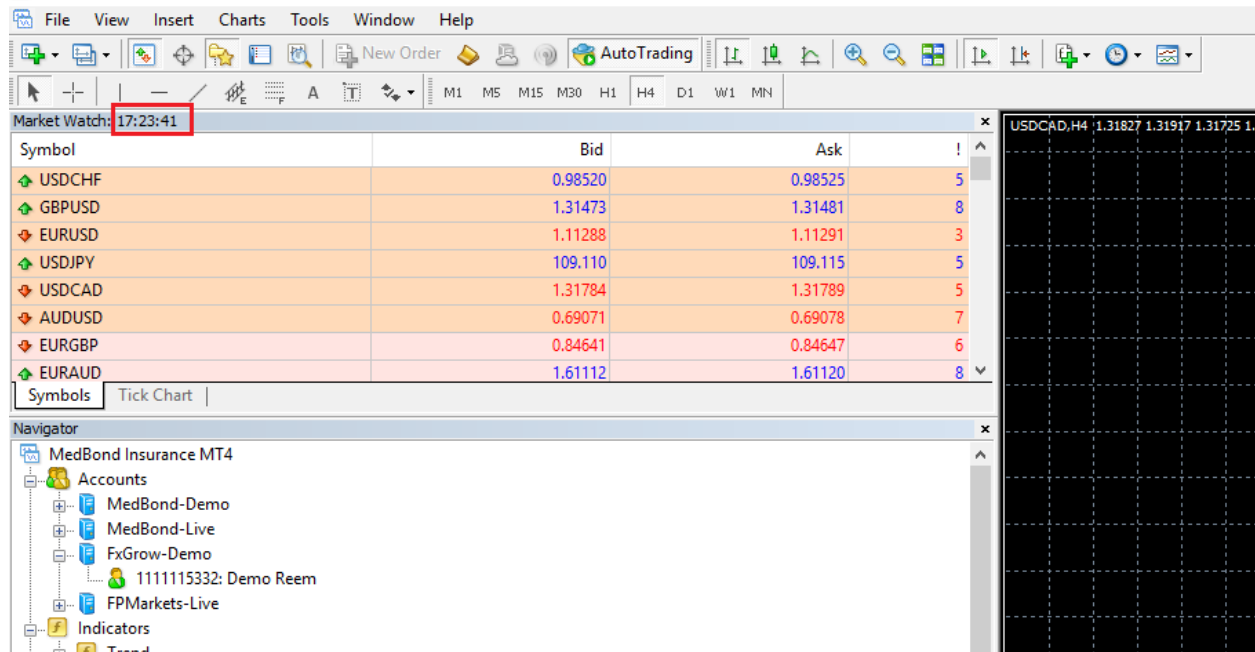
Testing Inputs Optimization

Variable	Value	Start	Step	Stop
<input checked="" type="checkbox"/> Info	***** Fully Automated News Trading Software *****			
<input checked="" type="checkbox"/> AvailableAt	https://iticssoftware.com/en/news-auto-trader.html			
<input checked="" type="checkbox"/> Developer	BJF Trading Group Inc.			
<input checked="" type="checkbox"/> CalendarSettings	***** Calendar settings *****			
<input checked="" type="checkbox"/> Indicator	EIA_Crude_Oil_Stocks_C...	EIA_Crude_Oil_Stocks_C...	EIA_Crude_Oil_Stocks_C...	EIA_Crude_Oil_Stocks_C...
<input type="checkbox"/> BrokerGMTOffset	EIA_Crude_Oil_Stocks_C...	0	0	0
<input type="checkbox"/> StartDate	EIA_Natural_Gas_Storage			
<input type="checkbox"/> EndDate	Average_Hourly_Earnings			
<input type="checkbox"/> TriggerSettings	Unemployment_Rate_US			
<input type="checkbox"/> positiveDeviation	Average_Hourly_Earnings	2.0	0.0	0.0
<input type="checkbox"/> positiveDirection	Nonfarm_Payrolls_USD	Buy	Buy	Buy
<input type="checkbox"/> negativeDeviation	Producer_Price_Index_MoM	-2.0	0.0	0.0
<input type="checkbox"/> negativeDirection	Producer_Price_Index_YoY	Buy	Buy	Buy
<input type="checkbox"/> Delay(seconds)	Import_Price_Index_MoM	0	0	0
<input type="checkbox"/> EntrySettings	Export_Price_Index_YoY			
<input type="checkbox"/> LotSize	Consumer_Price_Index_n	1.0	0.0	0.0
<input type="checkbox"/> Magic	Consumer_Price_Index_M	1	0	0
<input type="checkbox"/> Slippage	Consumer_Price_Index_C	100	0	0
<input type="checkbox"/> TrailingSettings	Consumer_Price_Index_e			
<input type="checkbox"/> StopLoss	Consumer_Price_Index_e	50.0	0.0	0.0
<input type="checkbox"/> TakeProfit	Industrial_Production_MoM	200.0	0.0	0.0
<input type="checkbox"/> OrderLifetime	NY_Empire_State_Manuf	600	0	0
<input type="checkbox"/> EnableTrailing	Capacity_Utilization_USD	false	true	true
<input type="checkbox"/> FixProfit	Gross_Domestic_Product	20.0	0.0	0.0
<input type="checkbox"/> TrailDistance	Gross_Domestic_Product	10.0	0.0	0.0
<input type="checkbox"/> TrailingIn	Personal_Spending_USD	Points	Points	Points

Load Save

OK Cancel Reset

**BrokerGMTOffset** – difference between your broker server time and GMT time. Check your broker server time in Market watch window;



And GMT time <https://time.is/GMT>

If your broker has the same time, leave 0. If your broker time higher for example on 1 hour – enter 1, etc.

**StartDate and EndDate** – should be the same with optimization period or testing period

### Trigger settings

**positiveDeviation** – deviation when trigger should be activated, between actual and forecast, if actual > forecast;

**positiveDirection** – trade direction Buy or Sell, if trigger is activated based on positive deviation rule. If Actual > then Forecast is good for currency and news currency in numerator, you should set Buy. (in divider – Sell). . If Actual < then Forecast is good for currency and news currency in numerator, you should set Sell. (in divider – Buy).

For example:

News currency: CAD

Actual > then Forecast is good for currency

Trading (pair for optimization) pair: EURCAD (CAD in divider) – you need set Sell.

**negativeDeviation** — deviation when trigger should be activated, between actual and forecast, if actual < forecast ;

**negativeDirection** - trade direction Buy or Sell, if trigger is activated based on negative deviation rule;

**Delay(seconds)** - Delay between news release and time when news feed provider has provided actual value;

#### **Entry settings**

**LotSize**- lot size for optimization;

**Magic**-magic number (is not important);

**Slippage**-slippage;

#### **Trailing settings**

**StopLoss**- stop loss value in points;

**TakeProfit**-take profit value in points;

**OrderLifeTime, ms**- order will be closed after this time if it not closed by SL, TP or Trailing stop rules;

**EnableTrailing**- if you want to use trailing stop, set true. If no- false;

**FixProfit**-run trailing when profit = or > FixProfit value;

**TrailDistance**- move stop loss in the direction of profit with step = TrailDistance;

**TrailingIn**- trailing in points or percents.

## **4. How to optimize**

We recommend to optimize in 3 steps:

### **Step 1.**

- set trailing = off,
- StopLoss = 2 current spreads for currency;
- Take profit = 2 spreads current spreads for currency;
- OrderLifeTime, ms =300
- Delay(seconds)=0
- Set correct positiveDirection and negativeDirection and optimize only positive and then negative deviation

So let's consider a specific example. The forecast value of Weekly Crude Oil Stock = 1.4M if actual < forecast is good for CAD and for WTI Oil. If we optimize EURCAD it means we need to set positiveDirection =Buy (CAD in divider). Check positiveDeviation only for optimization and set optimization start value, step and end value.

<input checked="" type="checkbox"/> positiveDeviation		2.0	0.1	0.1	7.0
<input type="checkbox"/> positiveDirection	Buy	Buy		Buy	
<input type="checkbox"/> negativeDeviation		-2.0	-0.1	0.1	0.4
<input type="checkbox"/> negativeDirection	Sell	Buy		Buy	

## Step 2.

When Positive and negative deviations are optimized, you need to enter optimized values in appropriated fields and optimize Delay(seconds) start 0 step 1 end 8.

Step 3.

Now you can optimize SL, TP and Trailing Stop.

**Fully Automated software for economic news trading NewsAutoTraderPro:**  
<https://iticsoftware.com/en/news-auto-trader.html>

## 5. Customer support

Web: <https://iticsoftware.com/customer-service>

Email: [cs@itics.ca](mailto:cs@itics.ca)