

# Expert4x theTradeableADX

## EA for MT4

January 20, 2021



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# Chapter

# 1

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# Chapter 2

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## Getting Started with the theTradeableADX EA

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*Getting Started* provides a guided exploration of the theTradeableADX EA. It is geared for an audience that has little or no knowledge of installing an MT4 EA. It walks the novice user through downloading and installing the theTradeableADX EA.

### 2.1 Installing the theTradeableADX EA

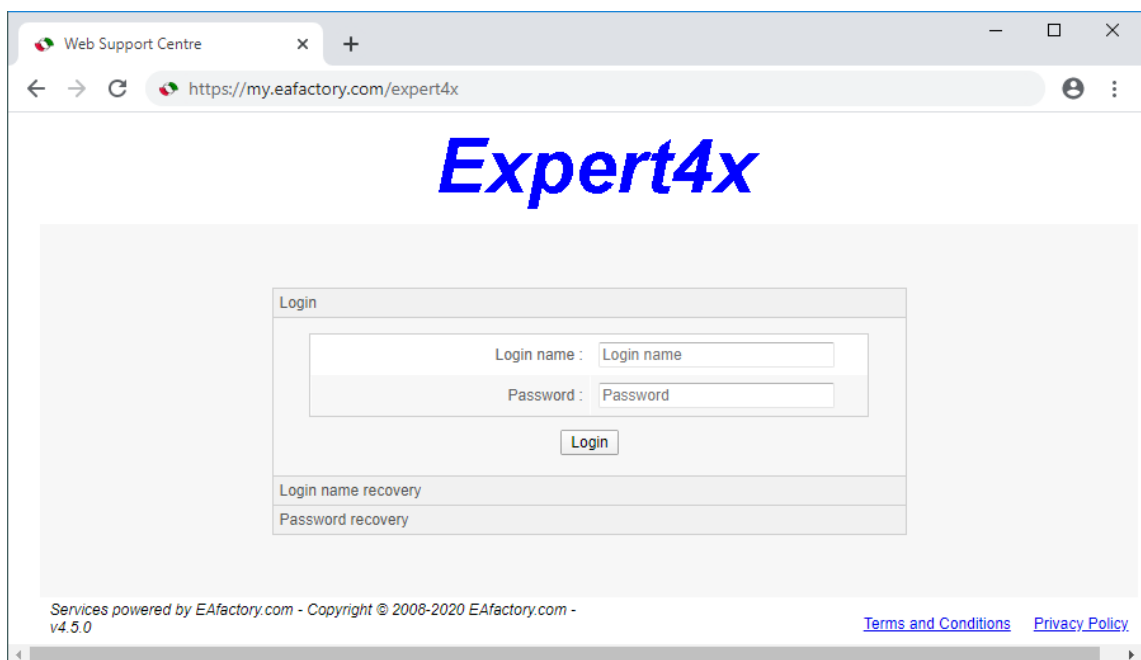
---

The theTradeableADX EA comes with a setup application to provide a wizard based installation process to the selected MT4 terminal.

#### Before you start...

- Ensure that you have the login credentials to the Web Support Centre.
- Ensure that you have an MT4 terminal version 4.00 build 1320 or later installed.

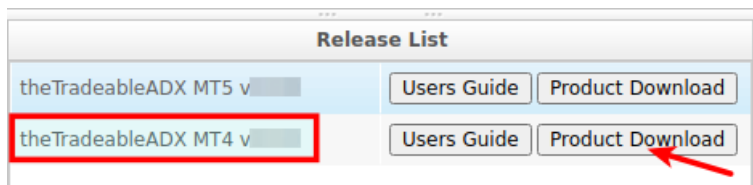
1. Exit MT4 if it was running.
2. Log in to the [Web Support Centre](https://my.eafactory.com/expert4x).



3. Scroll down and click on the theTradeableADX EA in the **Product List**.

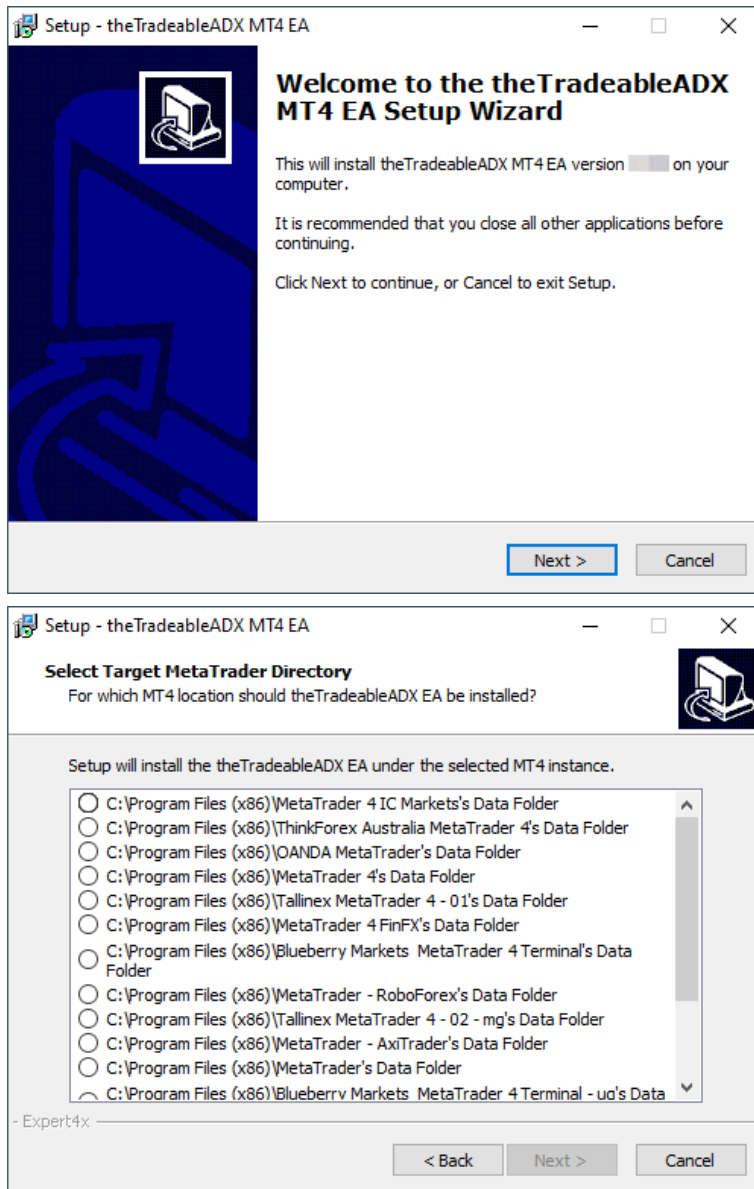


4. Click on the **Product Download** button to download the EA setup.



5. Run the setup application. Select the MT4 instance during setup to where you want the service installed.
6. When setup completes start up MT4. The theTradeableADX EA entry should appear under the **Expert Advisors** node in the **Navigator** window (**View > Navigator**)

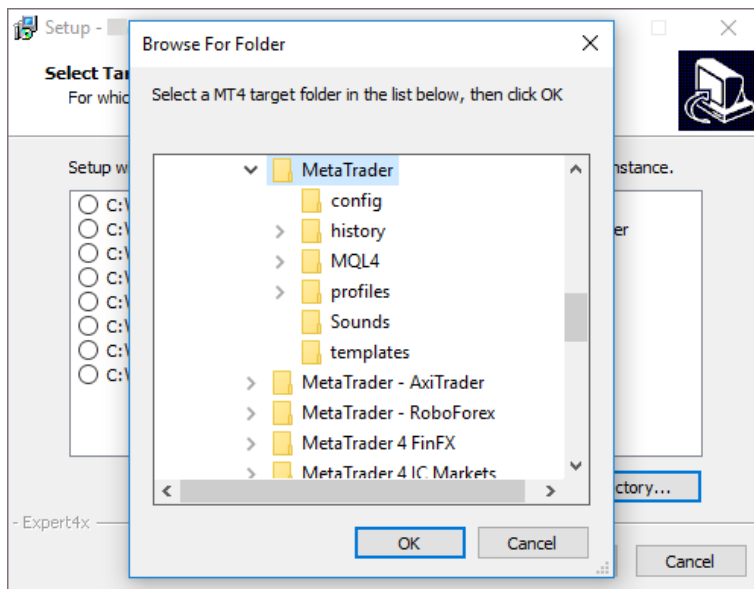
These pictures highlight the steps how to install the EA.



The setup application lists the available MT4 instances. Select one of them for installation target and click on the **Next**.

**Note:**

For some earlier version Windows version the list may not contain all the MT4 instances. In this case use the **Add target directory...** button to navigate and pick up the desired folder.

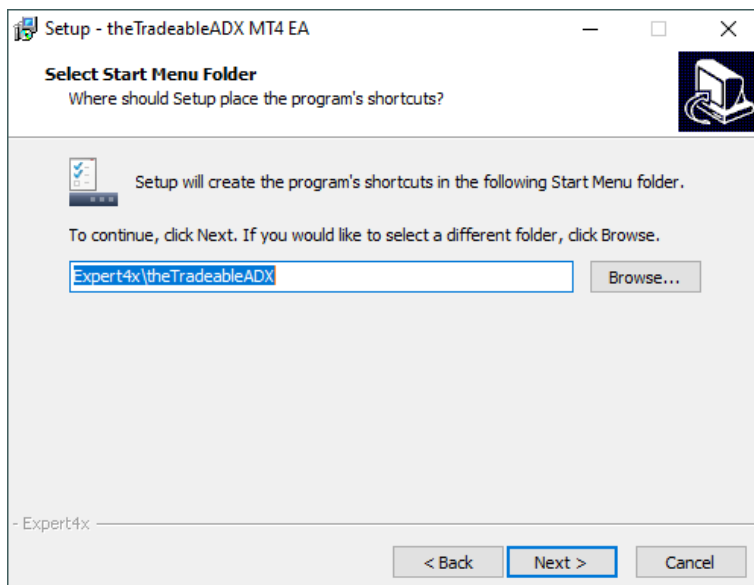


C:\Program Files\BrokerSpecificName\

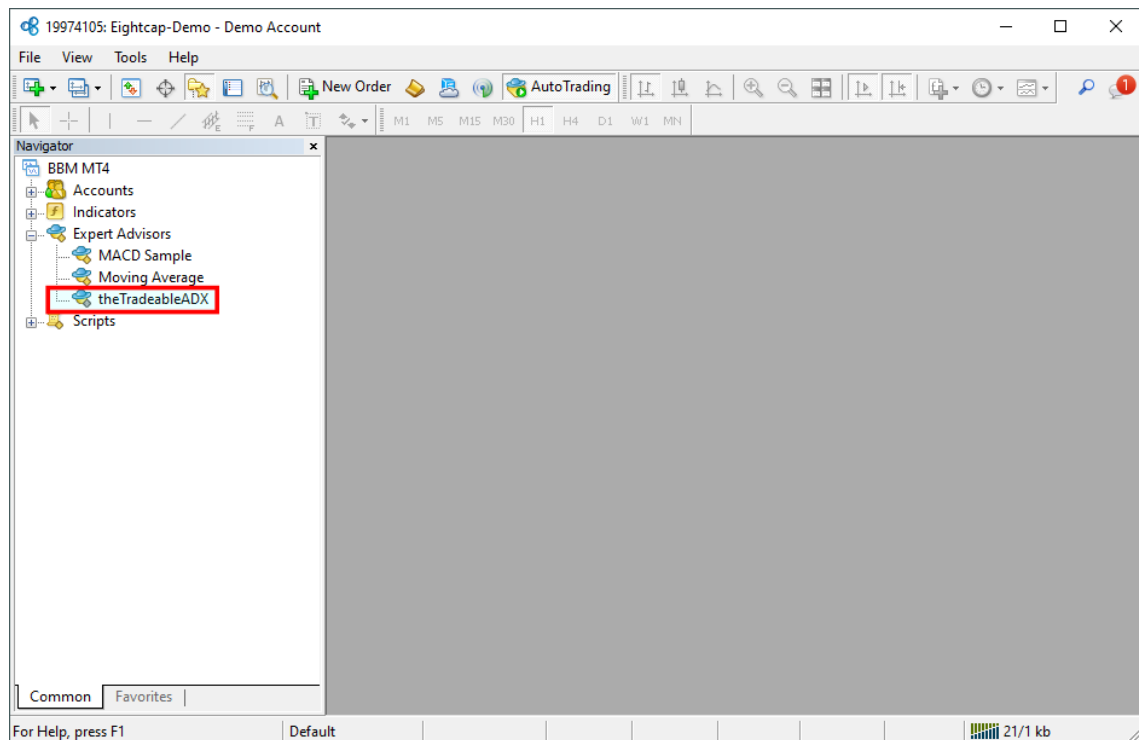
but you may have selected something else while performing the MetaTrader installation. As a hint, the following shows you the default path to the main MT4 directory for some brokers:

Broker	Default Path
Blueberry Markets broker	C:\Program Files (x86)\Blueberry Markets MetaTrader 4 Terminal
Dukascopy broker	C:\Program Files (x86)\Dukascopy MetaTrader 4
IG broker	C:\Program Files (x86)\IG MetaTrader 4 Terminal
OANDA broker	C:\Program Files (x86)\OANDA - MetaTrader
Pepperstone broker	C:\Program Files (x86)\Pepperstone MetaTrader 4

Always select the main MT4 folder itself for installation target, not any of its sub-directories.



When the installation is complete, start up MT4 and check that the EA appears in the **Navigator** window (**View > Navigator**):



So everything is set up for the first activation of the theTradeableADX Expert Advisor .

## 2.2 theTradeableADX Expert Advisor First Time Activation

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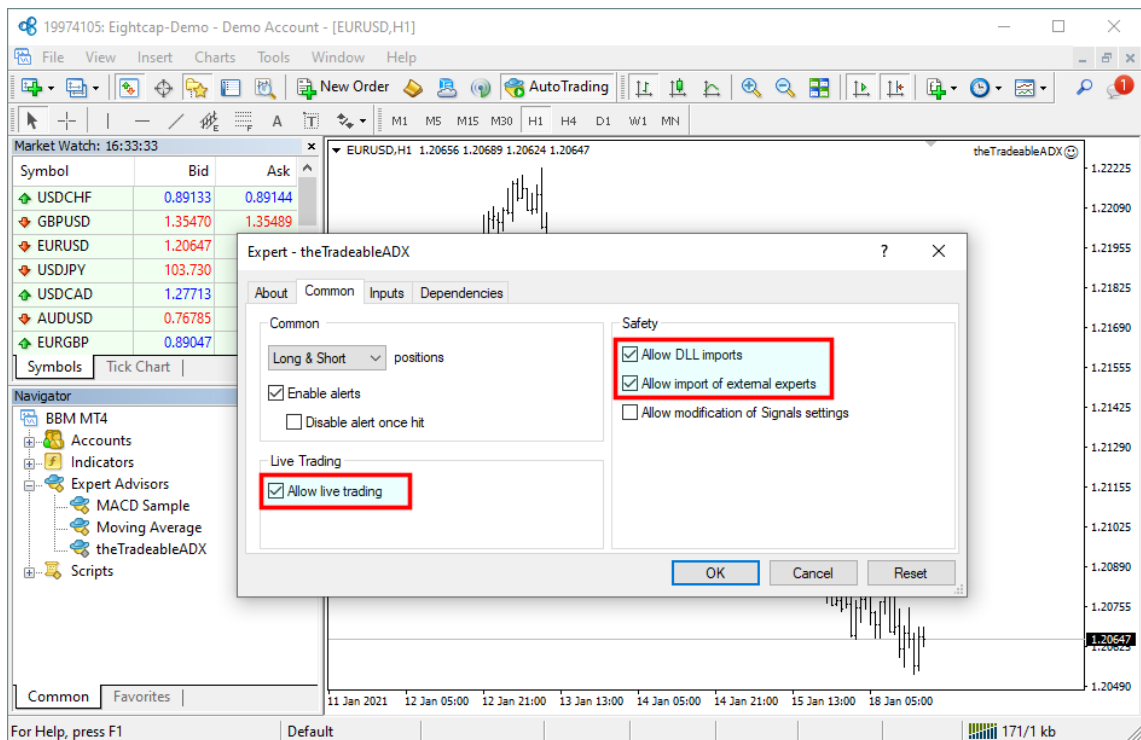
Step by step guide to get the EA up and running on a chart for the first time.

The following pictures demonstrate the first time activation of the theTradeableADX Expert Advisor in a few steps.

### Attach the EA to a chart

1. Drag & drop the theTradeableADX Expert Advisor from the **Navigator** window (**View > Navigator**) to a chart window and select the **Common** tab:



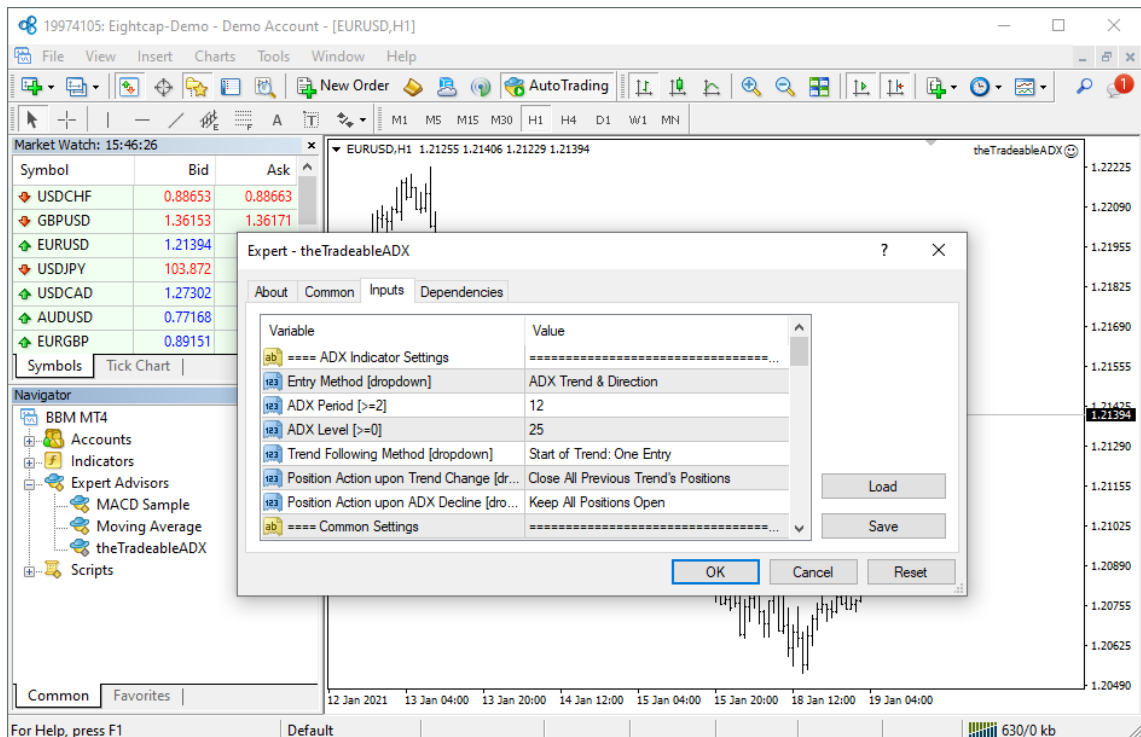
**Note:**

Ensure that the

- **Allow live trading,**
- **Allow DLL import and**
- **Allow import of external experts**

are ticked.

## 2. Select the **Inputs** tab:

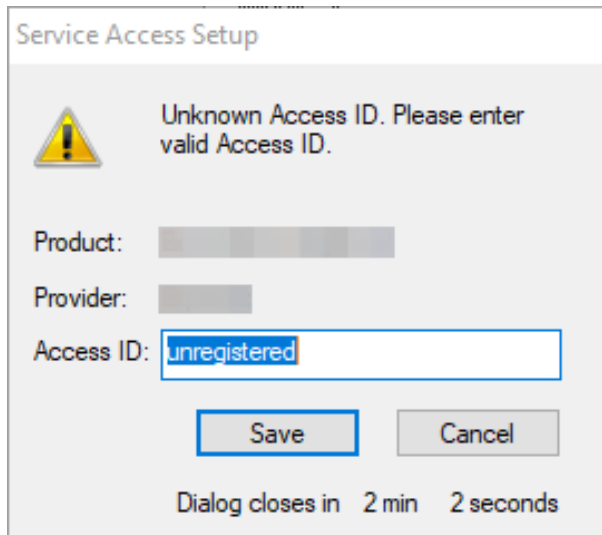


This lists the parameters of the EA where the operational aspect of the theTradeableADX EA can be set up. For more details see the [theTradeableADX EA Configuration Guide](#) – for now click on the **OK** button and let the EA start up with default settings.

**Note:**

At the very first time the EA may prompt for the Access ID to verify that the usage of product is licensed.

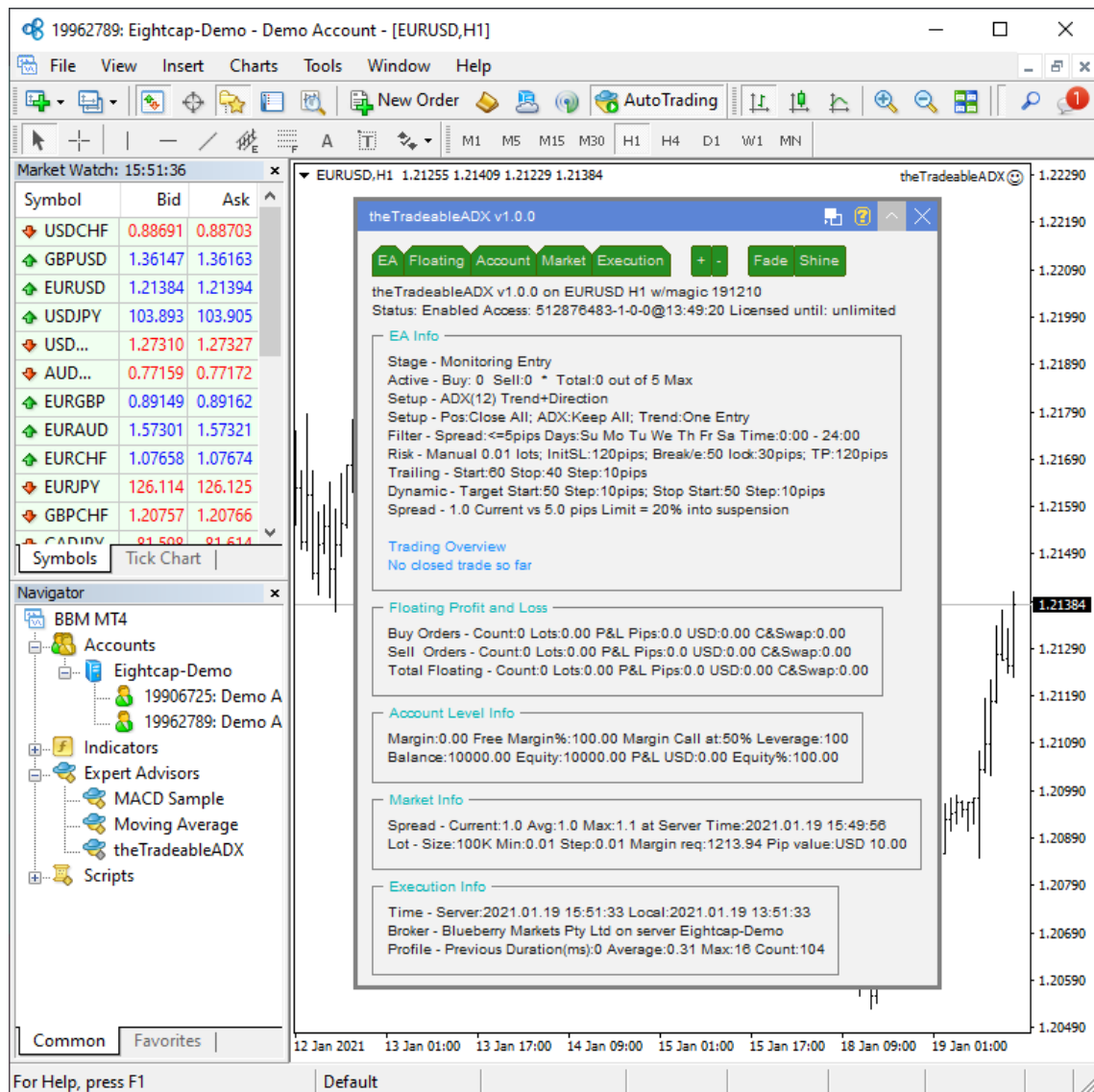
The Access ID is pre-configured and is the same as the login name to the web support site. Feel free to change your Access ID at the [Web Support Centre](#) and ensure not to share it with anyone else. Enter the Access ID and click on the **Save** button:



The image shows a 'Service Access Setup' dialog box. It features a yellow warning triangle icon on the left. To the right of the icon, the text reads: 'Unknown Access ID. Please enter valid Access ID.' Below this message, there are three input fields: 'Product:' followed by a greyed-out text box, 'Provider:' followed by a greyed-out text box, and 'Access ID:' followed by a text box containing the word 'unregistered'. At the bottom of the dialog, there are two buttons: 'Save' and 'Cancel'. Below the buttons, a timer indicates 'Dialog closes in 2 min 2 seconds'.

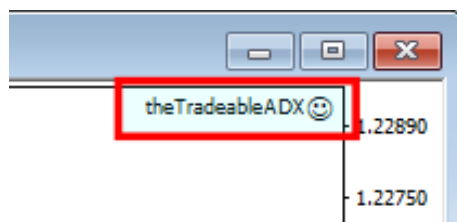
### The theTradeableADX EA is up and running

After successful authentication the theTradeableADX EA starts up.



The theTradeableADX Expert Advisor has been attached to the chart. The smiley face in the top-right corner shows that the initialisation of the theTradeableADX Expert Advisor was successful and the EA is now looking for trading opportunities.

See the smiley face in the corner:



In case of a problem getting the EA up and running please refer to the [Knowledgebase](#) section.

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# Chapter

# 3

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## System Requirements

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Overview of prerequisites in order to install and get the product up and running.

### 3.1 Operating System Requirements

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In order to operate the theTradeableADX EA a Microsoft Windows operating system is required which supports MetaQuotes MetaTrader version 4.00 platform.

Note that the MetaQuotes MetaTrader software is also known and often referred to as MT4.

### 3.2 Hardware Requirements

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The minimum Random Access Memory (RAM) requirement is 512MB (0.5GB), however 1024MB (1GB) RAM is recommended to avoid extended virtual memory usage. Note that this memory requirement is for MetaTrader application only, excluding other applications running at the same time (e.g. MS Office). If other applications are running parallel with MetaTrader application please increase the RAM requirement accordingly.

### 3.3 MetaTrader (MT4) Requirements and Settings

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The EA is compatible with MetaQuotes MetaTrader platform version 4.00 build 1320 or higher. In general this is referred to as MT4 terminal, build 1320 or newer.

### 3.4 Forex Broker Requirements

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The theTradeableADX EA is compatible with both 4 and 5-digit data feeds based brokers. The theTradeableADX EA automatically detects the type of the feed and adjusts the EA parameter pip values if and when necessary.

Both fixed and variable spread broker platforms are supported.

The selected MetaTrader based broker should allow keeping open orders on the account for long period of time, i.e. the broker should not close and re-open orders over night for swap calculation, or should not merge open orders for any reason.

**IMPORTANT:** For smooth trade management the MetaTrader application and the EA should be on-line, up and running during all market open hours (usually Sunday to Friday).

### 3.5 Hedging Support Requirements

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When the theTradeableADX EA is attached to charts with both BUY and SELL trades enabled, the EA may keep open BUY as well as SELL positions at the same time on the same market. In this situation the broker account must support the hedging of trades.

Hedging support is not required only if the EA is attached to the market with either BUY or SELL enabled, but never both at the same time.

### 3.6 Non-FIFO Support Requirements

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When the theTradeableADX EA is attached to charts with both BUY and SELL trades enabled, or maximum allowed open trades higher than 1 configuration, the EA may open and close positions out of order of the first-in-first-out (FIFO) sequence. In this situation the broker account must support the order handling in non-FIFO manner.

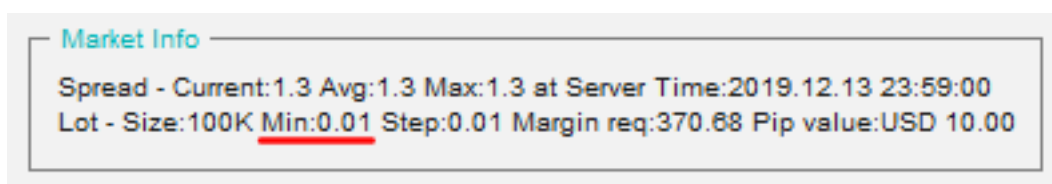
FIFO is supported only if the EA is attached to the market with either BUY or SELL enabled (never both at the same time) and maximum allowed open trades is set to 1.

### 3.7 Account Type and Minimum Lot Size Requirements

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A so-called *Micro* broker account is necessary if the available funds for the EA trading is less than approx. \$1000. The micro account allows the EA to open a position with minimum lot size of 0.01. If you plan to use a broker account with the above funding please ensure that your broker account offers this minimum lot size.

An easy way to double check the minimum lot size available on the broker account is to attach the EA to a chart and check the *Market Info* section on the chart:



The *Lot* line shows *Min:0.01* which tells that the minimum lot size requirement is 0.01 on this broker account.

# Chapter

# 4

## theTradeableADX EA Configuration Guide

The theTradeableADX EA configuration guide.

In order to activate the theTradeableADX EA attach it to a chart window – for more details see [theTradeableADX EA First Time Activation](#) section.

### 4.1 Configuration and Operation Principles

The theTradeableADX EA operational overview.

The theTradeableADX EA manages only those tickets (a.k.a positions) on the account which belong to the theTradeableADX EA: every order submitted to the account is marked with the [Magic Number](#) and, in return, only those tickets on the account will be considered by the theTradeableADX EA which are marked with this [Magic Number](#).

In general it is recommended to run on an account one EA at a time. This helps understanding the ongoing trades and troubleshoot situation if and when needed.

While this maybe feasible for demo accounts this may not be feasible for live accounts where there could be the need to execute multiple expert advisors on the same account at the same time.

Using multiple expert advisors on the same account is only viable if each and all expert advisor will follow the above [Magic Number](#) principle and they manage only their own tickets on the account.

**IMPORTANT: If you plan to use multiple expert advisors (other than the theTradeableADX EA) on the same account please ensure upfront with the expert advisor providers that their EA's are suitable for that as per the above.**

If you plan to use multiple theTradeableADX EA's on the same account at the same time please ensure that the [Magic Number](#) is set to different and unique number for each chart of the same market.

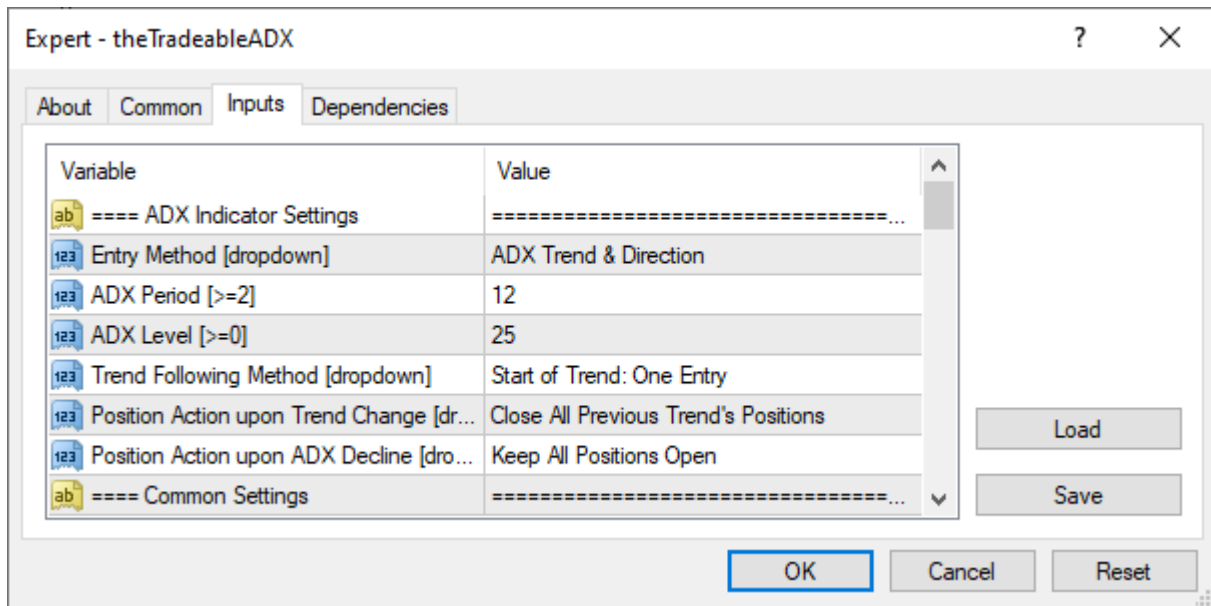
Here are few examples:

Market	MagicNumber
EURUSD chart 1	92000
EURUSD chart 2	92001
EURUSD chart 3	92002
GBPUSD chart 1	92010
GBPUSD chart 2	92011
GBPUSD chart 3	92012
USDCAD single chart	EA default or any other
USDCHF single chart	EA default or any other

### 4.2 theTradeableADX EA Parameter Descriptions

The theTradeableADX EA parameter descriptions.

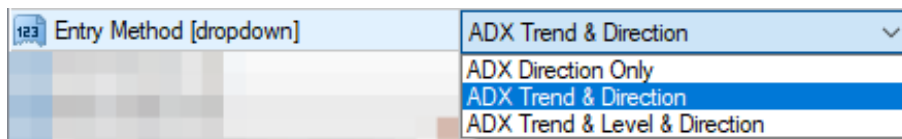
## 4.2.1 ADX Indicator Settings



### Entry Method

#### Entry Method

Selects the way of new position entry.



Entry Method	Description
ADX Direction Only	<p>The +DI and -DI lines of the ADX indicator determine the direction of the trend and new trade:</p> <ul style="list-style-type: none"> <li>BUY is entered when: <ol style="list-style-type: none"> <li>The +DI is above the -DI. This marks the <b>UP</b> trend direction.</li> </ol> </li> <li>SELL is entered when: <ol style="list-style-type: none"> <li>The -DI is above the +DI. This marks the <b>DOWN</b> trend direction.</li> </ol> </li> </ul>
ADX Trend & Direction	<p>The +DI &amp; -DI lines alongside with the slope of the ADX main line determines the trend and new trade:</p> <ul style="list-style-type: none"> <li>BUY is entered when: <ol style="list-style-type: none"> <li>The +DI is above the -DI. This marks the <b>UP</b> trend direction.</li> <li>The ADX main line slopes <b>upward</b>.</li> </ol> </li> <li>SELL is entered when: <ol style="list-style-type: none"> <li>The -DI is above the +DI. This marks the <b>DOWN</b> trend direction.</li> <li>The ADX main line slopes <b>upward</b>.</li> </ol> </li> </ul> <p>In both cases the ADX main line must slope <b>upward</b> to confirm a new trade in the direction of the +DI/-DI trend.</p>

Entry Method	Description
ADX Trend & Level & Direction	<p>On top of the +DI &amp; -DI lines and the slope of the ADX main line, the reading of the ADX main line determines the trend and the new trade:</p> <ul style="list-style-type: none"> <li>BUY is entered when: <ol style="list-style-type: none"> <li>The +DI is above the -DI. This marks the <b>UP</b> trend direction.</li> <li>The ADX main line slopes <b>upward</b>.</li> <li>The ADX main line is <b>on or above</b> the <a href="#">ADX Level</a>.</li> </ol> </li> <li>SELL is entered when: <ol style="list-style-type: none"> <li>The -DI is above the +DI. This marks the <b>DOWN</b> trend direction.</li> <li>The ADX main line slopes <b>upward</b>.</li> <li>The ADX main line is <b>on or above</b> the <a href="#">ADX Level</a>.</li> </ol> </li> </ul> <p>In both cases the ADX main line must slope <b>upward</b> and must be <b>on or above</b> the <a href="#">ADX Level</a> to confirm a new trade in the direction of the +DI/-DI trend.</p>

## ADX Period

### ADX Period

Used for and corresponds to the ADX indicator's period parameter.

## ADX Level

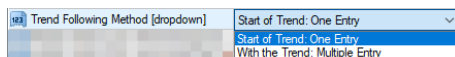
### ADX Level

Corresponds to the ADX indicator main line's reading. The EA uses this ADX main line reading in order to filter new trade entry when the *ADX Trend & Level & Direction* option is selected for the [Entry Method](#).

## Trend Following Method

### Trend Following Method

Selects the way the identified trend gets traded:



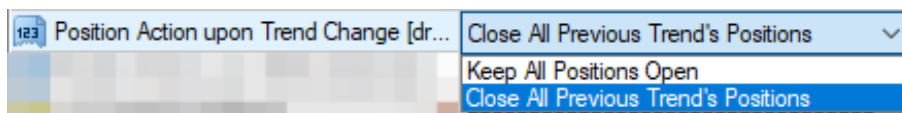
Trend Following Method	Description
Start of Trend: One Entry	Only one new trade is entered when the direction of the trend changes. This trade is entered when the +DI & -DI lines of the ADX indicator cross each other.
With the Trend: Multiple Entry	A new trade is entered in the direction of the current trend upon every new bar opening.

**Note:** For more information how the trend gets identified see the [Entry Method](#).

## Position Action upon Trend Change

### Position Action upon Trend Change

Determines what happens to the open positions when the +DI & -DI lines of the ADX indicator cross each other resulting in the change of the trend:





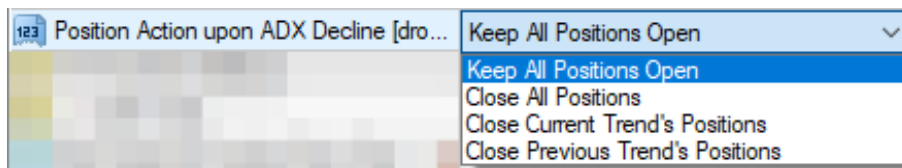
Position Action upon Trend Change	Description
Keep All Positions Open	Existing positions are left open on the account, the EA does not close them off upon trend change.
Close All Previous Trend's Positions	All existing positions in the direction of the previous trend gets closed off by the EA upon trend change.

**Note:** For more information how the trend gets identified see the [Entry Method](#).

## Position Action upon ADX Decline

### Position Action upon ADX Decline

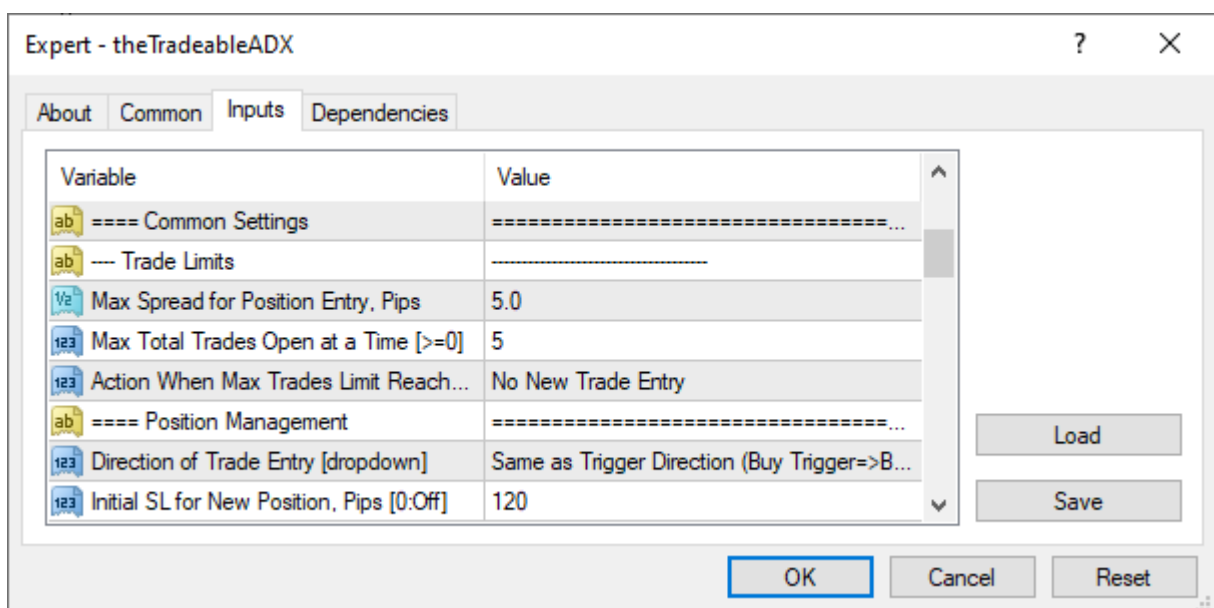
Determines what happens to the open positions when the main line of the ADX indicator slopes downward:



Position Action upon ADX Decline	Description
Keep All Positions Open	Existing positions are left open on the account, the EA does not close them off upon ADX main line's decline.
Close All Positions	All existing positions gets closed off by the EA upon ADX main line's decline.
Close Current Trend's Positions	All existing positions in line with the current trend gets closed off by the EA upon ADX main line's decline.
Close Previous Trend's Positions	All existing positions against the current trend gets closed off by the EA upon ADX main line's decline.

**Note:** For more information how the trend gets identified see the [Entry Method](#).

## 4.2.2 Common Settings



## Max Spread for Position Entry

### Max Spread for Position Entry

The maximum value of the current market spread the EA is allowed to perform market entry, i.e. to open a new position. If the current spread of the market exceeds this limit then the EA will not consider to open position until after the spread drops to or below this value.

## Max Total Trades Open at a Time

### Max Total Trades Open at a Time

The total number of open buy plus sell trades together is limited to this maximum number all the time. How this limit is applied to the trading logic is determined by the [Action When Max Trades Limit Reached](#).

**Example:** I want to limit the number of open buy and sell trades together to 10. When this limit is reached I want no more trades to be entered until one of the open trades gets closed by their stop or change in the trend direction.

Here is an EA configuration to achieve the above:

1. [Max Total Trades Open at a Time](#) = 10
2. [Action When Max Trades Limit Reached](#) = *No New Trade Entry*
3. [Position Action upon Trend Change](#) = *Close All Previous Trend's Positions*

**Example:** I want to limit the number of open buy and sell trades together to 10. When this limit is reached I want the new trade to replace the existing open trade with the highest profit, i.e. at the time of the new trade entry closing off the existing open trade with the highest profit.

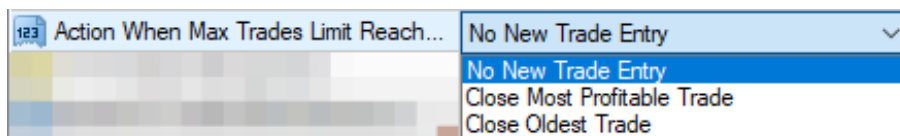
Here is an EA configuration to achieve the above:

1. [Max Total Trades Open at a Time](#) = 10
2. [Action When Max Trades Limit Reached](#) = *Close Most Profitable Trade*

## Action When Max Trades Limit Reached

### Action When Max Trades Limit Reached

Determines which existing open buy or sell trade gets closed off when the [Max Total Trades Open at a Time](#) count is already reached and the EA is about to enter a new trade.



Action When Max Trades Limit Reached	Description
No New Trade Entry	No new trades are entered once the <a href="#">Max Total Trades Open at a Time</a> is reached. Existing open trades are still managed, those may hit their target or stop levels, or trailing stops.
Close Most Profitable Trade	The open trade, either buy or sell, with the <b>highest profit amount</b> gets closed out. If all the open buy and sell trades are in losses then the one with the least amount of losses gets closed out.
Close Oldest Trade	The open trade, either buy or sell, with the <b>oldest creation date</b> gets closed out. In order words the open trade with the lowest ticket number gets closed out.

## 4.2.3 Position Management

Expert - theTradeableADX

About Common Inputs Dependencies

Variable	Value
==== Position Management	=====
Direction of Trade Entry [dropdown]	Same as Trigger Direction (Buy Trigger=>B...
Initial SL for New Position, Pips [0:Off]	120
Take Profit, Pips [0:Off]	120
--- Position Sizing	-----
Position Sizing Method [dropdown]	Manual Lot Size
Initial Risk Percent [>0]	1.0
Lots for 'Manual Lot Size'	0.01
--- Breakeven	-----
Move SL to Breakeven at Profit, Pips [...]	50
Lock-in Profit at Breakeven Move, Pip...	30
--- Trailing Stop	-----
Trailing Start at Profit, Pips [0:Off]	60
Trailing SL, Pips [>=1]	40
Trailing Stepping, Pips [>=1]	10

Load Save

OK Cancel Reset

Expert - theTradeableADX

About Common Inputs Dependencies

Variable	Value
--- Trailing Stop	-----
Trailing Start at Profit, Pips [0:Off]	60
Trailing SL, Pips [>=1]	40
Trailing Stepping, Pips [>=1]	10
--- Dynamic Stop	-----
Dynamic Stop Start at Profit, Pips [0:Off]	50
Dynamic Stop Stepping, Pips [>=1]	10
--- Dynamic Target	-----
Dynamic Target Start at Loss, Pips [0:...	50
Dynamic Target Stepping, Pips [>=1]	10

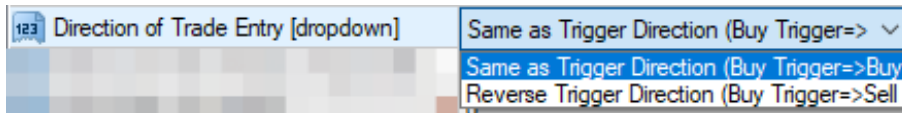
Load Save

OK Cancel Reset

### Direction of Trade Entry

#### Direction of Trade Entry

Option to reverse or not a trigger when a new position entered.



Direction of Trade	Description
Same as Trigger Direction	<p>The new trade is in line with the trigger:</p> <ul style="list-style-type: none"> <li>Buy trigger -&gt; opens a buy position</li> <li>Sell trigger -&gt; opens a sell position</li> </ul>
Reverse Trigger Direction	<p>The new trade is the opposite direction of the trigger:</p> <ul style="list-style-type: none"> <li>Buy trigger -&gt; opens a sell position</li> <li>Sell trigger -&gt; opens a buy position</li> </ul>

## Initial SL for New Position

### Initial SL for New Position, Pips

The Stop Loss value in pips for a new position, set after market entry. When configured as zero then no Stop Loss is set for new positions.

**Example:** I want to have Stop Loss of 60 pips after entering a new trade. I want to take profit of 100 pips gain off the trade.

Here is an EA configuration to achieve the above:

1. Take Profit = 100
2. Initial SL for New Position = 60

## Take Profit

### Take Profit, Pips

Target profit value in pips for a new position, set after market entry. When configured as zero then no Take Profit is set for new positions.

**Example:** I want to take profit at 100 pips gain after entering a new trade. The Stop Loss for the trade is 60 pips.

Here is an EA configuration to achieve the above:

1. Take Profit = 100
2. Initial SL for New Position = 60

## Position Sizing

### Position Sizing Method

The position sizing mechanism used for new trades at market entry.

Position Sizing Method	Description
Percent of Account Free Margin	<p>The lots for new position is calculated based on</p> <ul style="list-style-type: none"> <li>Free Margin available on account, and</li> <li>Initial Risk Percent, and</li> <li>Initial SL for New Position</li> </ul> <p>The lots for the new position is calculated in a way that should the initial SL get hit the loss would not be higher than the risk percent of the free margin.</p>

Position Sizing Method	Description
Percent of Account Equity	<p>The lots for new position is calculated based on</p> <ul style="list-style-type: none"> <li>Equity available on account, and</li> <li><a href="#">Initial Risk Percent</a>, and</li> <li><a href="#">Initial SL for New Position</a></li> </ul> <p>The lots for the new position is calculated in a way that should the initial SL get hit the loss would not be higher than the risk percent of the equity.</p>
Percent of Account Balance	<p>The lots for new position is calculated based on</p> <ul style="list-style-type: none"> <li>Balance available on account, and</li> <li><a href="#">Initial Risk Percent</a>, and</li> <li><a href="#">Initial SL for New Position</a></li> </ul> <p>The lots for the new position is calculated in a way that should the initial SL get hit the loss would not be higher than the risk percent of the account balance.</p>
Manual Lot Size	<p>The lots for the new position is not calculated by the EA, instead it is fixed and set to the user-defined value from <a href="#">Lots for 'Manual Lot Size'</a>.</p>

The position sizing calculation takes place at the time of market entry, when all the entry criteria are met.

The calculated lots value is normalized according to the minimum lots size and lots stepping requirements of the MT4 terminal. Therefore the actual risk amount may vary and will be a best effort and approximate of the configured target risk value.

When the calculated lots value is higher than the broker maximum allowed lot size, the EA truncates the lots to the maximum allowed figure and carries on with this capped lots value.

Furthermore, the market conditions (e.g. fast price movements) or the MT4 operational conditions (e.g. lost connectivity to broker) may alter the actual exit point of an open trade, resulting in higher or lower actual risk compared to the configured target risk value.

## Initial Risk Percent

Determines the risk amount allocated to a new trade as a percent of the broker account value. For more details see the [Position Sizing Method](#).

## Lots for 'Manual Lot Size'

Sets the fixed lot size for new positions to this user-defined value when the *Manual Lot Size* option is selected for [Position Sizing Method](#).

## Breakeven

### Move SL to Breakeven at Profit, Pips

The EA moves an existing open position's stop loss to break even (i.e. its entry price) when the position gets into profit by at least this [Move SL to Breakeven at Profit](#) pips.

This breakeven feature can be turned off by setting the [Move SL to Breakeven at Profit](#) to zero value.

### Lock-in Profit At Breakeven, Pips

This EA parameter works together with the [Move SL to Breakeven at Profit](#). When an existing open position gets into profit by at least [Move SL to Breakeven at Profit](#) pips, then the position's stop loss gets moved to break even point, and potentially further offset it into profit by the number of pips specified by this [Lock-in Profit At Breakeven Move](#) parameter.

Assuming the following configuration:

- [Move SL to Breakeven at Profit](#) = 10
- [Lock-in Profit At Breakeven Move](#) = 2
- An existing buy position with open price of 1.1200 gets into profit by 11 pips.

Because the open position reached the minimum profit level of 10, the EA moves the stop loss to 1.1202 which is break even plus 2 pips of profit lock-in.

**Note:** If the [Lock-in Profit At Breakeven Move](#) was set to zero then the stop loss would be to break even of 1.1200.

## Trailing Stop

### Trailing Start at Profit, Pips

The EA starts off the trailing of price by moving an existing open position's stop loss when the position gets into profit by at least this [Trailing Start at Profit](#) pips. Once the trailing got activated, the SL gets adjusted every time when the price moves further and the position gets further into profit by [Trailing Stepping](#) pips. Refer to [Trailing SL](#) and [Trailing Stepping](#) for more details.

### Trailing SL, Pips

When trailing feature is activated, the SL of the position is set by this amount of pips behind the last peak of price in profit.

### Trailing Stepping, Pips

When trailing feature is activated and the price moves in the favour of the position by this amount of pips again then the position's SL gets adjusted again. The new SL is set to be [Trailing SL](#) behind of the most recent peak price in profit.

For instance, assuming the following trailing settings:

1. [Trailing Start at Profit](#) = 10
2. [Trailing SL](#) = 20
3. [Trailing Stepping](#) = 5

When the open position reaches first time into profit by 10 pips the EA sets the position's SL to current price - 20 pips, which is actually 10 pips in loss compared to the original entry.

When the price advances further into profit by 5 pips then the EA pulls the SL by 5 pips, re-setting the SL to current price - 20 pips. In other words, the SL trails the best price by steppings of 5 pips, keeping the stop loss distance to 20 pips at each adjustment.

## Dynamic Stop

### Dynamic Stop Start at Profit, Pips

The EA brings progressively forward the Stop Loss of an existing position when the price moves closer to the Take Profit of the position. Over time, the smaller the gap to the Take Profit becomes the smaller the stop behind the current price gets used.

**Tip:** Watch the [Expert4x Dynamic Stop video](#) about this concept.

The EA starts to bring forward the SL of a position when the position gets into profit by at least this [Dynamic Stop Start at Profit](#) pips. Once the dynamic stop got activated the SL gets further brought forward every time when the price moves on and the position gets further into profit by [Dynamic Stop Stepping](#) pips. The SL gets recalculated to be the same distance on the stop side as the number of pips are left to reach the Take Profit level. That is the stop gets narrower as the price gets closer to the target.

For instance, assuming the following settings:

1. [Take Profit](#) = 100 pips
2. [Dynamic Stop Start at Profit](#) = 50 pips

### 3. [Dynamic Stop Stepping](#) = 10 pips

When the open position the first time goes into profit by 50 pips the EA identifies that another 50 pips is left to reach the TP level. The SL gets recalculated to be that 50 pips behind the current price, i.e. break even in this example.

When the price advances further into profit by 10 pips then the EA identifies that another 40 pips is left to reach the TP. The SL gets recalculated to be that 40 pips behind the current price, i.e. 10 pips in profit from the original entry price. Every time the price advances further and making the position into profit by another 10 pips, the EA will move the SL tighter and reduce the size of the SL by that 10 pips.

#### **Related information**

[Expert4x Dynamic Stop video](#)

## **Dynamic Stop Stepping, Pips**

The EA brings progressively forward the Stop Loss of an existing position when the price moves closer to the Take Profit of the position. Over time, the smaller the gap to the Take Profit becomes the smaller the stop behind the current price gets used.

**Tip:** Watch the [Expert4x Dynamic Stop video](#) about this concept.

The EA starts to bring forward the SL of a position when the position gets into profit by at least this [Dynamic Stop Start at Profit](#) pips. Once the dynamic stop got activated the SL gets further brought forward every time when the price moves on and the position gets further into profit by [Dynamic Stop Stepping](#) pips. The SL gets recalculated to be the same distance on the stop side as the number of pips are left to reach the Take Profit level. That is the stop gets narrower as the price gets closer to the target.

For more details and example refer to [Dynamic Stop Start at Profit](#) for more details.

#### **Related information**

[Expert4x Dynamic Stop video](#)

## **Dynamic Target**

### **Dynamic Target Start at Loss, Pips**

The EA pulls back the Take Profit of an existing position when the price moves closer to the Stop Loss of the position.

**Tip:** Watch the [Expert4x Dynamic Target video](#) about this concept.

The EA starts off pulling back the TP of a position when the position gets into losses by at least this [Dynamic Target Start at Loss](#) pips. Once the dynamic target got activated the TP gets further pulled back every time when the price moves on and the position gets further into losses by [Dynamic Target Stepping](#) pips.

For instance, assuming the following settings:

1. [Take Profit](#) = 100 pips
2. [Dynamic Target Start at Loss](#) = 50 pips
3. [Dynamic Target Stepping](#) = 10 pips

When the open position the first time goes into loss by 50 pips the EA pulls back the position's TP by 50 pips. The new TP will be the current price - 100 pips, that is +50 pips from the original entry.

When the price advances further into losses by 10 pips then the EA pulls further back the TP by 10 pips, re-setting the TP to current price - 100 pips, that is +40 pips from the original entry. In other words, the TP trails the latest price leading to losses by steppings of 10 pips, keeping the TP distance to 100 pips at each adjustment.

#### **Related information**

[Expert4x Dynamic Target video](#)

## Dynamic Target Stepping, Pips

The EA pulls back the Take Profit of an existing position when the price moves closer to the Stop Loss of the position.

**Tip:** Watch the [Expert4x Dynamic Target video](#) about this concept.

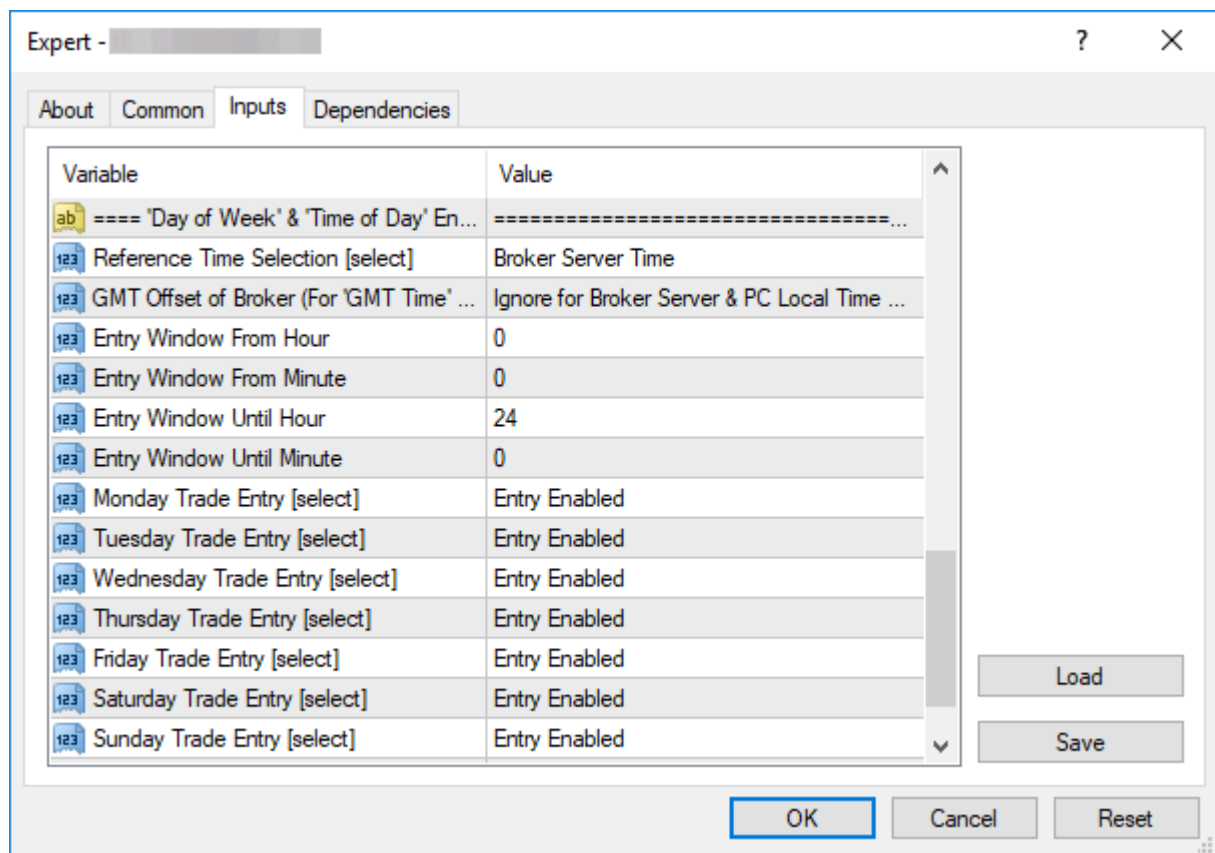
Once the dynamic target got activated the TP gets further pulled back every time when the price moves on and the position gets further into losses by this [Dynamic Target Stepping](#) pips.

For more details and example refer to [Dynamic Target Start at Loss](#) for more details.

### Related information

[Expert4x Dynamic Target video](#)

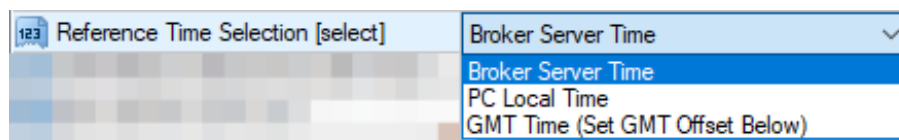
## 4.2.4 Day of Week & Time of Day Entry Filter



### Reference Time Selection

#### Reference Time Selection

Selects the nature of the time used by the EA when time specific actions are performed.



Reference Time Selection	Description
Broker Server Time	Entry window hour and minute settings are relevant to the broker's server time. See below picture showing the broker server time in the Market Watch window.

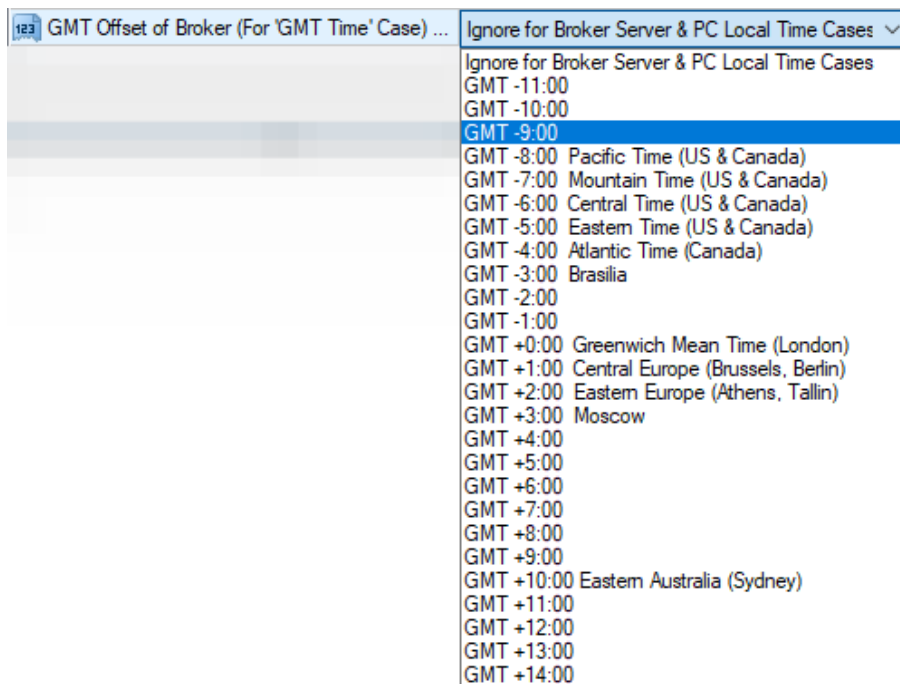


Reference Time Selection	Description
PC Local Time	Entry window hour and minute settings are relevant to the local time of the PC hosting the MT4 terminal and EA. When setting up the time parameters consider the time zone differences between the market open hours versus the PC local time.
GMT Time (Set GMT Offset Below)	<p>Entry window hour and minute settings are relevant to the selected GMT offset.</p> <p>This feature is useful to keep the entry window hour and minute settings the same when the EA is executed across different brokers. In this case only the broker GMT offset needs to be set on the different brokers' MT4 instances, and the EA adjusts automatically the entry window for the broker.</p> <p>In this case, use the <a href="#">GMT Offset of Broker</a> to select the broker offset and always set the window hour values in GMT +0 time zone.</p>

## GMT Offset of Broker

### GMT Offset of Broker

The time zone shift of the MT4 broker's server time. This parameter is only required if *GMT Time* option is selected for the [Reference Time Selection](#).



Unfortunately MT4 terminal does not provide this broker GMT offset information therefore a query to the broker maybe needed to get this value. As an alternative, one may make an attempt to calculate this offset through the following steps:

1. The Market Watch window's header shows the broker's server time, press Ctrl+M in the MT4 terminal:



This time can be compared to the GMT+0 time to calculate the GMT offset of the broker.

2. In a web browser search for *gmt time* keywords to see the current GMT time.
3. Then compare the search result of current GMT time to the current time displayed by the Market Watch window of the MT4 terminal. The difference of the two times gives the broker GMT offset.

Based on past experience, with no guarantee that the information is correct, these are a few sample broker GMT offsets observed as of July 2015:

MT4 Terminal	Broker	GMT Offset
AxiTrader	AxiCorp Financial Services Pty Ltd	+3
IC Markets	International Capital Markets Pty Ltd	+3
InstaForex	InstaForex Companies Group	+3
FXCM	Forex Capital Markets Inc	+3
ThinkForex	TF Global Markets (Aust) Pty Ltd	+3
RoboForex EU	RoboForex (CY) Ltd	+3
Tallinex	Tallinex Ltd	0
Oanda	OANDA Corporation	-4
MB Trading FX	MB Trading Futures Inc	-4

The value in the *GMT Offset* column could be used for the EA parameter [GMT Offset of Broker](#).

## Entry Window From Hour/Minute - Entry Window Until Hour/Minute

### Entry Window From Hour/Minute - Entry Window Until Hour/Minute

Limits the period of a day when a new position entry may take place.

The From Hour & Minute is inclusive, while the Until Hour & Minute is exclusive. The following table shows examples how to configure these parameters for the entry window period:

Desired Entry Period	Entry Window From	Entry Window Until
8 – 10 (i.e. 8:00.00–9:59.59)	Hour = 8 & Minute = 0	Hour = 10 & Minute = 0
10 – 17 (i.e. 10:00.00-16:59.59)	Hour = 10 & Minute = 0	Hour = 17 & Minute = 0
All Day	Hour = 0 & Minute = 0	Hour = 24 & Minute = 0

The entry window from and until hours are specific to the selected time at [Reference Time Selection](#).

## Monday ... Sunday Trade Entry

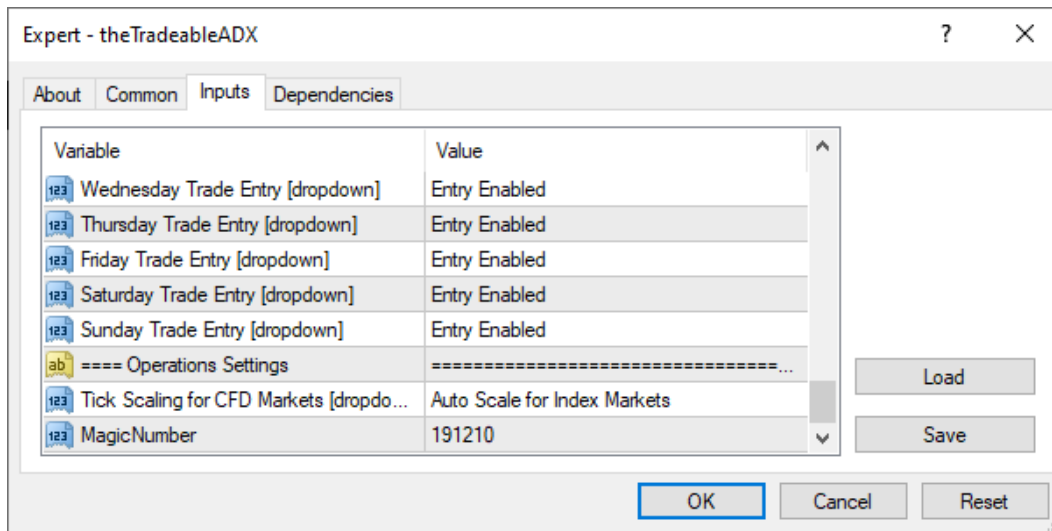
### Monday ... Sunday Trade Entry

Days allowed for new position entry. Subsequent management of stop loss or exit of already open trades may happen outside of the enabled days, only the entry of new positions is limited to the selected days:

Monday Trade Entry [select]	Entry Enabled
Tuesday Trade Entry [select]	No Entry
Wednesday Trade Entry [select]	Entry Enabled
Thursday Trade Entry [select]	Entry Enabled
Friday Trade Entry [select]	Entry Enabled
Saturday Trade Entry [select]	Entry Enabled
Sunday Trade Entry [select]	Entry Enabled

Day of Week Trade Entry	Description
No Entry	No new entry is executed on that day. Stop Loss management, if turned on, for existing open positions are still executed as normal.
Entry Enabled	New entry is allowed for the day when all other entry criteria are met.

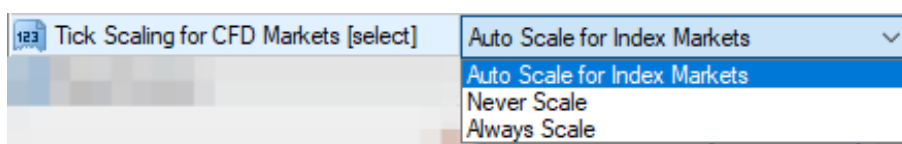
## 4.2.5 Operations Settings



### Tick Scaling for CFD Markets

#### Tick Scaling for CFD Markets

Provides a consistent tick, pip, cent and point values across various markets and brokers. This is specific to stock indices, metal, commodity etc markets keeping the cent or dollar unit consistently applied. Wherever the EA is configured with a 'Pip' value then it is consistently mapped to the cent or dollar unit for those non-FOREX markets.



Tick Scaling for CFD Markets	Description
Auto Scale for Index Markets	Based on the characteristics of the market the EA automatically recognizes if the underlying market was a stock index market, like the US30, GER30 or JP225 etc. In this case the 'pip' values configured for the EA are scaled up to the 'dollar' value of the index: 12345.67
Never Scale	The EA does not scale up the 'pip' values even if the market could be recognized as a stock index market.
Always Scale	The EA applies the scaling up of the 'pip' values to the 'dollar' value even if the market could not be recognized as stock index market. This option is useful if the 'dollar' based approach is desired for trading.

**Note:** The EA always deals with the fractional pip values therefore there is no need to increase the 'pip' values for brokers with 1, 3 or 5-digit data feed.

**Examples:**

Trading Approach	Chart of Market	Stop Loss EA Parameter Value	Tick Scaling for CFD Markets Value	Buy Entry Fill Price	Calculated Stop Loss Value	Description
Index market with \$1.00 unit	US30	100	Auto Scale for Index Markets Alternative: Always Scale	26123.90	26023.90	The EA scales the 100 'pips' parameter to market price of 100.00 US dollar units (i.e. 100.00 points)
FOREX pair with 0.0001 unit	EURUSD	100	Auto Scale for Index Markets Alternative: Never Scale	1.13412	1.12412	The EA keeps the 100 'pips' parameter as it is
Gold market with \$0.01 unit	XAUUSD	100	Auto Scale for Index Markets Alternative: Never Scale	1288.23	1287.23	The EA maps the 100 'pips' parameter to 100 cent units
Gold market with \$1.00 unit	XAUUSD	100	Always Scale	1288.23	1188.23	The EA maps the 100 'pips' parameter to 100 dollar units
Oil market with \$0.01 unit	USOil	100	Auto Scale for Index Markets Alternative: Never Scale	56.752	55.752	The EA maps the 100 'pips' parameter to 100 cent units
Oil market with \$1.00 unit	USOil	10	Always Scale	56.752	46.752	The EA maps the 10 'pips' parameter to 10 dollar units
Copper market with \$0.01 unit	COPPER	100	Auto Scale for Index Markets Alternative: Never Scale	2.9245	1.9245	The EA maps the 100 'pips' parameter to 100 cent units

Trading Approach	Chart of Market	Stop Loss EA Parameter Value	Tick Scaling for CFD Markets Value	Buy Entry Fill Price	Calculated Stop Loss Value	Description
Cocoa market with \$0.01 unit	COCOA	100	Auto Scale for Index Markets Alternative: Never Scale	2160	2060	The EA maps the 100 'pips' parameter to 100 cent units
Natural gas market with \$0.01 unit	NGAS	100	Auto Scale for Index Markets Alternative: Never Scale	2.843	1.843	The EA maps the 100 'pips' parameter to 100 cent units

## Magic Number

### Magic Number

The EA marks its orders with this value when submitting to the broker account, and picks up orders which are marked with this magic number value and belong to the chart of the EA. In the case of multiple EA's running on the same market ensure that they get unique [Magic Number](#) allocations to avoid cross-impact between the EA instances handling the orders. See [Configuration and Operation Principles](#) section for more explanation and setup examples.

#### Related information

[Configuration and Operation Principles](#)

The theTradeableADX EA operational overview.

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# Chapter 5

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## Knowledgebase

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Frequently Asked Questions and other common use cases.

### 5.1 How to Download MT4

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#### Question

How can I install the MT4 platform?

I checked the MetaQuotes site and it looks like I can only download the MT5 platform.

#### Answer

The way to get and install MT4 is to download it directly from your broker.

Please download the MT4 setup application directly from one of your preferred brokers web site.

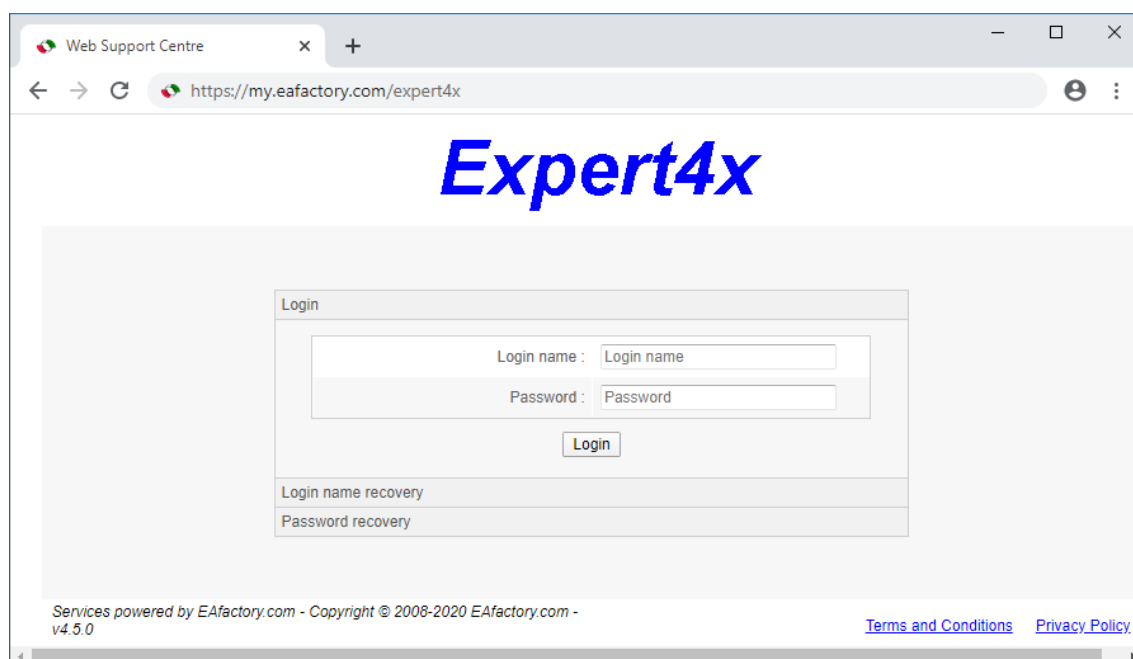
### 5.2 How to Download the Setup Application

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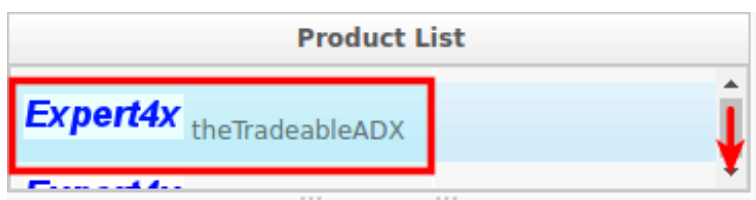
#### Question

How to download the theTradeableADX EA Setup application?

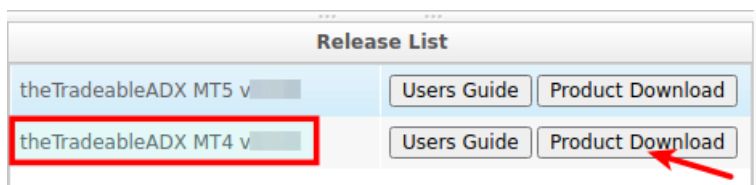
1. Log in to the [Web Support Centre](#).



2. Scroll down and click on the theTradeableADX EA in the **Product List**.



3. Click on the **Product Download** button to download the EA setup.



## 5.3 How to Install the theTradeableADX EA

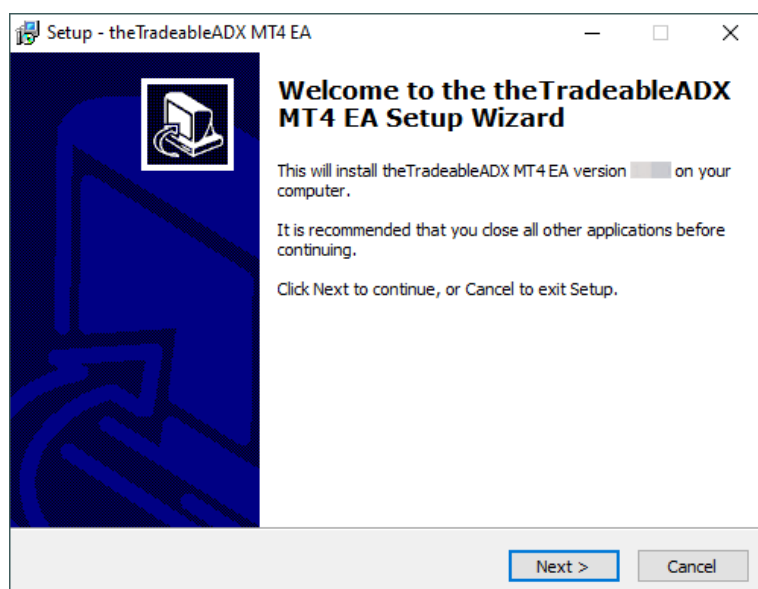
The theTradeableADX EA comes with a setup application to provide a wizard based installation process to the selected MT4 terminal.

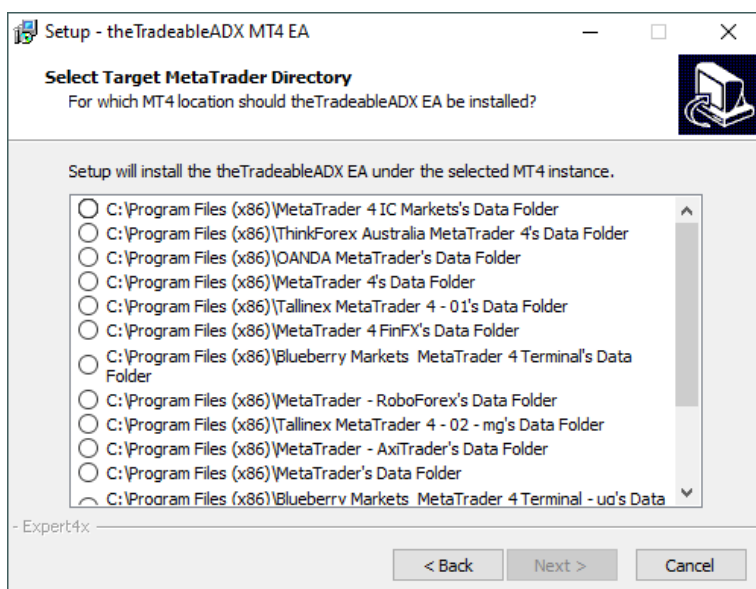
### Before you start...

- Ensure that you have the login credentials to the Web Support Centre.
- Ensure that you have an MT4 terminal version 4.00 build 1320 or later installed.

1. Exit MT4 if it was running.
2. Select the desired service and download the setup application with the latest version.
3. Run the setup application. Select the MT4 instance during setup to where you want the service installed.
4. When setup completes start up MT4. The theTradeableADX EA entry should appear under the **Expert Advisors** node in the **Navigator** window (**View > Navigator**)

These pictures highlight the steps how to install the EA.

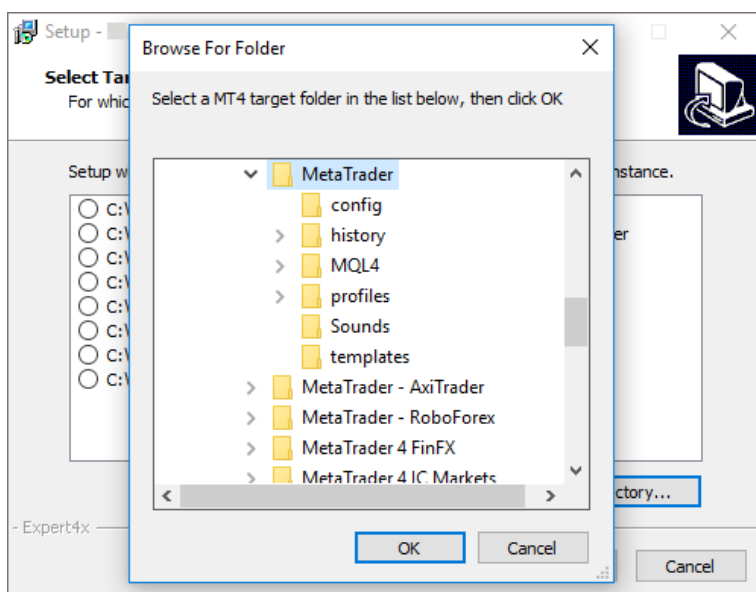




The setup application lists the available MT4 instances. Select one of them for installation target and click on the **Next**.

**Note:**

For some earlier version Windows version the list may not contain all the MT4 instances. In this case use the **Add target directory...** button to navigate and pick up the desired folder.



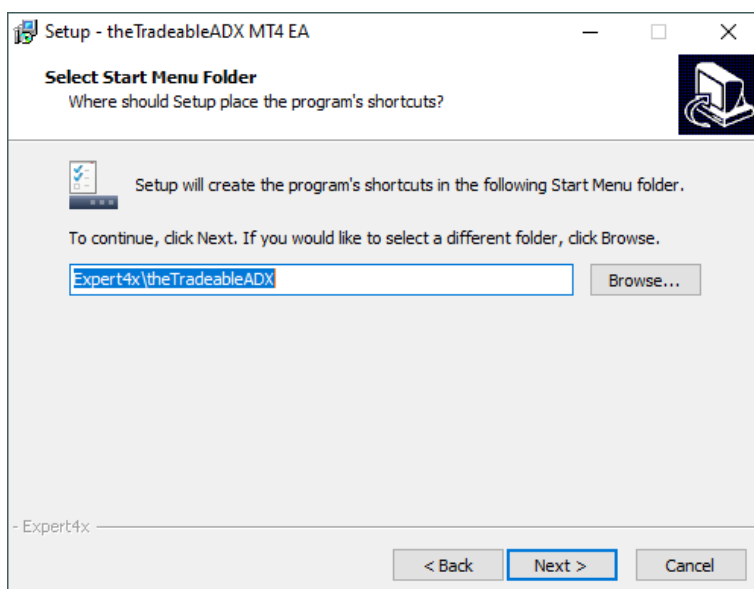
`C:\Program Files\BrokerSpecificName\`

but you may have selected something else while performing the MetaTrader installation. As a hint, the following shows you the default path to the main MT4 directory for some brokers:

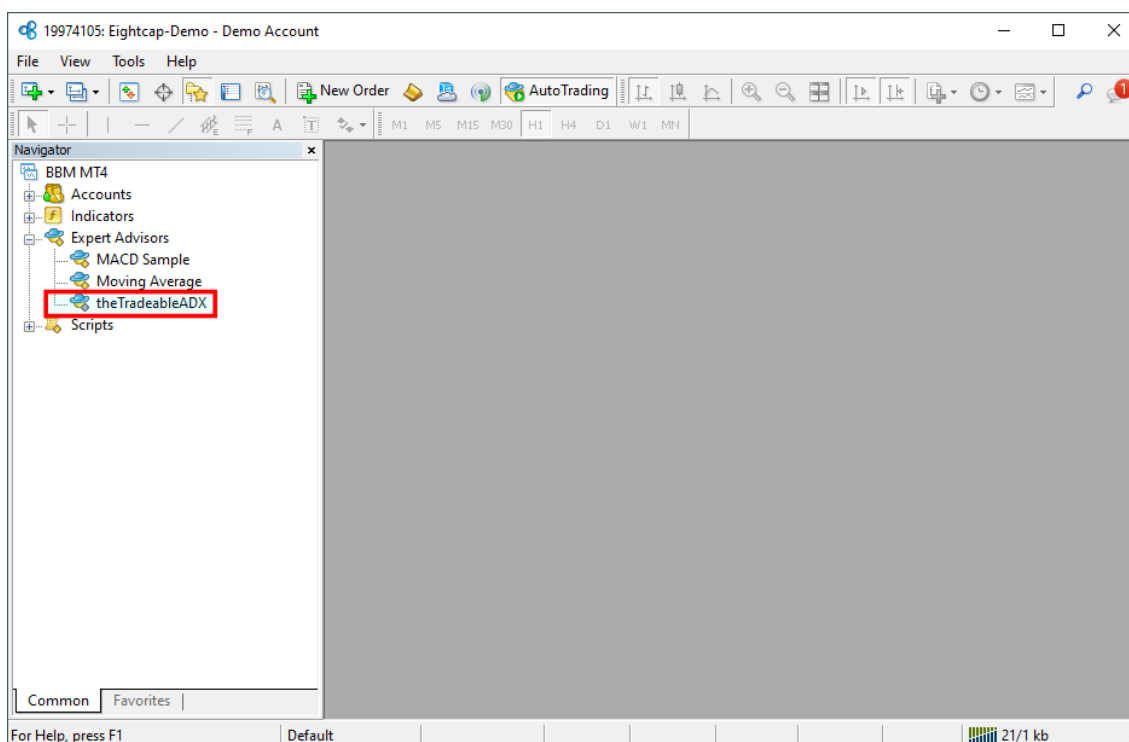
Broker	Default Path
Blueberry Markets broker	C:\Program Files (x86)\Blueberry Markets MetaTrader 4 Terminal
Dukascopy broker	C:\Program Files (x86)\Dukascopy MetaTrader 4
IG broker	C:\Program Files (x86)\IG MetaTrader 4 Terminal
OANDA broker	C:\Program Files (x86)\OANDA - MetaTrader
Pepperstone broker	C:\Program Files (x86)\Pepperstone MetaTrader 4

Always select the main MT4 folder itself for installation target, not any of its sub-directories.





When the installation is complete, start up MT4 and check that the EA appears in the **Navigator** window (**View > Navigator**):



So everything is set up for the first activation of the theTradeableADX Expert Advisor .

## 5.4 How to Upgrade the EA

### Question

How to upgrade the theTradeableADX EA?

### Answer

In order to upgrade the EA please follow these steps:

1. Download the latest theTradeableADX EA from the [Web Support Centre](#). For detailed steps refer to the [How to Download the Setup Application](#).

2. Exit the MT4 terminal if it was running.
3. Execute the downloaded theTradeableADX EA setup application. Follow through all of the wizard pages to complete the EA installation.
4. Start up the MT4 terminal.

The upgraded theTradeableADX EA will pick up and carry on managing any existing trades created by the previous EA version.

#### Related tasks

[Step-by-step Installation of Expert4x EAs and Indicators](#)

[How to download an EA setup in VPS environment](#)

#### Related information

[How to Download the Setup Application](#)

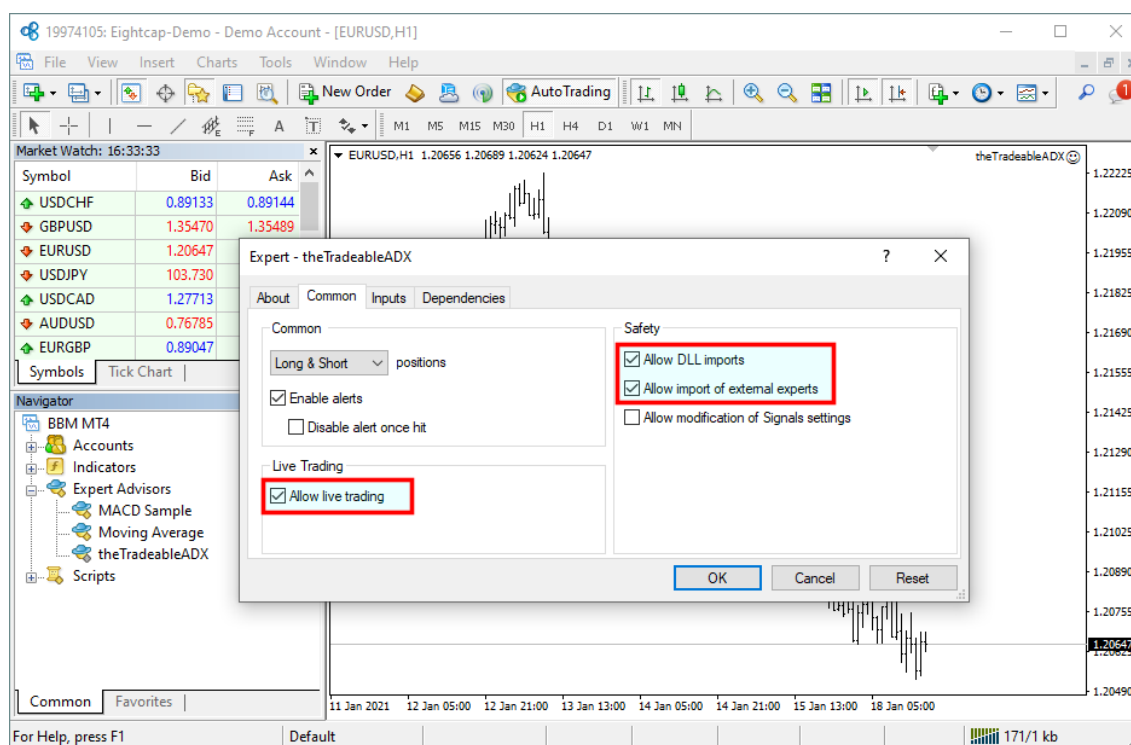
## 5.5 How to Attach the theTradeableADX Expert Advisor to a Chart

Step by step guide to get the EA up and running on a chart for the first time.

The following pictures demonstrate the first time activation of the theTradeableADX Expert Advisor in a few steps.

### Attach the EA to a chart

1. Drag & drop the theTradeableADX Expert Advisor from the **Navigator** window (**View > Navigator**) to a chart window and select the **Common** tab:



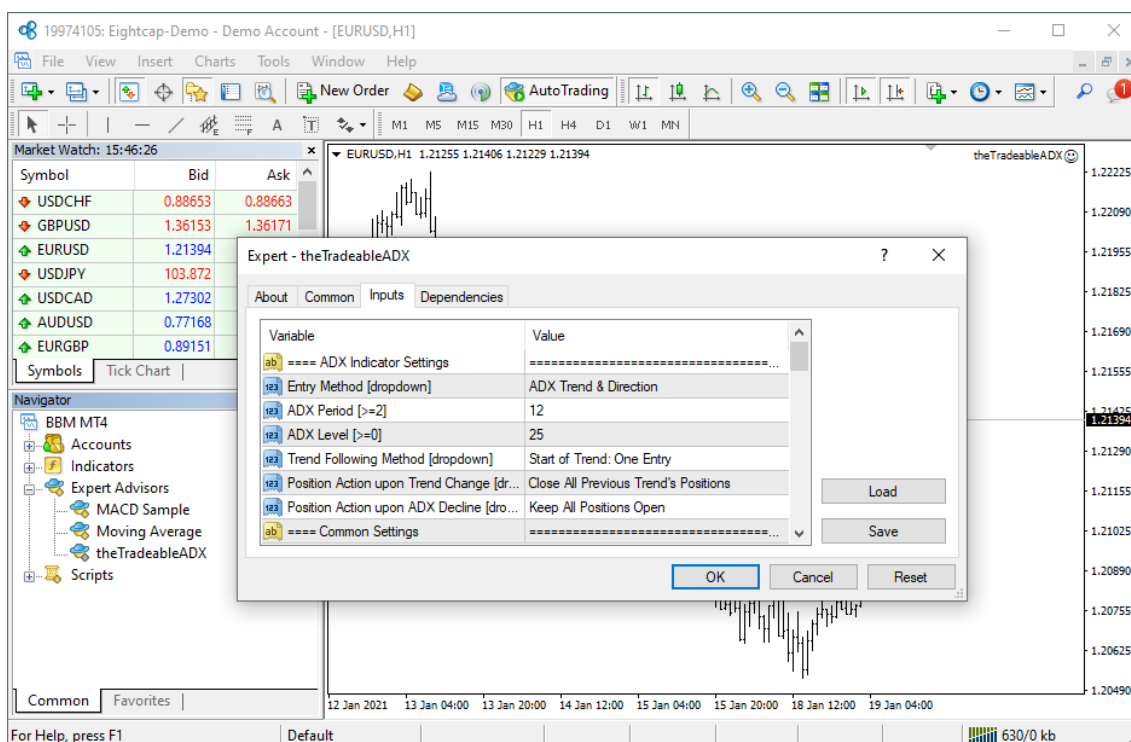
#### Note:

Ensure that the

- **Allow live trading.**
- **Allow DLL import and**
- **Allow import of external experts**

are **ticked**.

2. Select the **Inputs** tab:

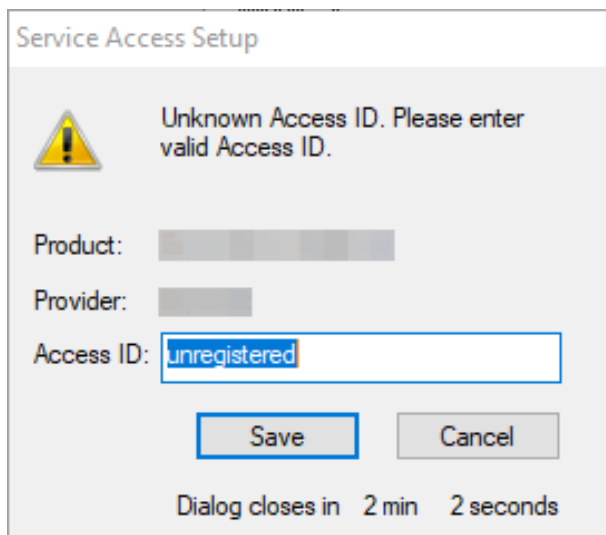


This lists the parameters of the EA where the operational aspect of the theTradeableADX EA can be set up. For more details see the [theTradeableADX EA Configuration Guide](#) – for now click on the **OK** button and let the EA start up with default settings.

#### Note:

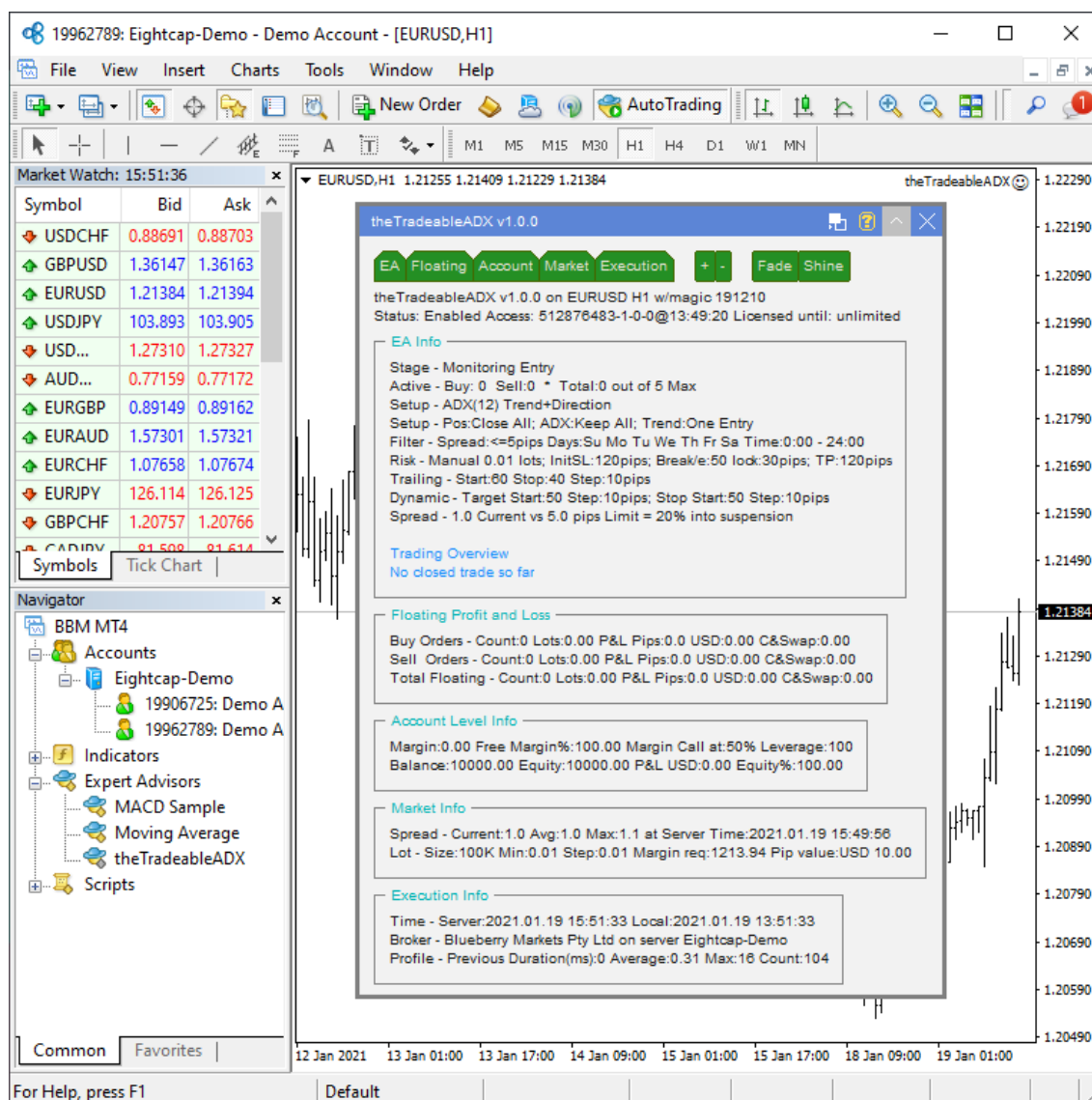
At the very first time the EA may prompt for the Access ID to verify that the usage of product is licensed.

The Access ID is pre-configured and is the same as the login name to the web support site. Feel free to change your Access ID at the [Web Support Centre](#) and ensure not to share it with anyone else. Enter the Access ID and click on the **Save** button:



### The theTradeableADX EA is up and running

After successful authentication the theTradeableADX EA starts up.



The theTradeableADX Expert Advisor has been attached to the chart. The smiley face in the top-right corner shows that the initialisation of the theTradeableADX Expert Advisor was successful and the EA is now looking for trading opportunities.

See the smiley face in the corner:









In case of a problem getting the EA up and running please refer to the [Knowledgebase](#) section.

## 5.6 How to Load Setfile from the Settings Analysis Site

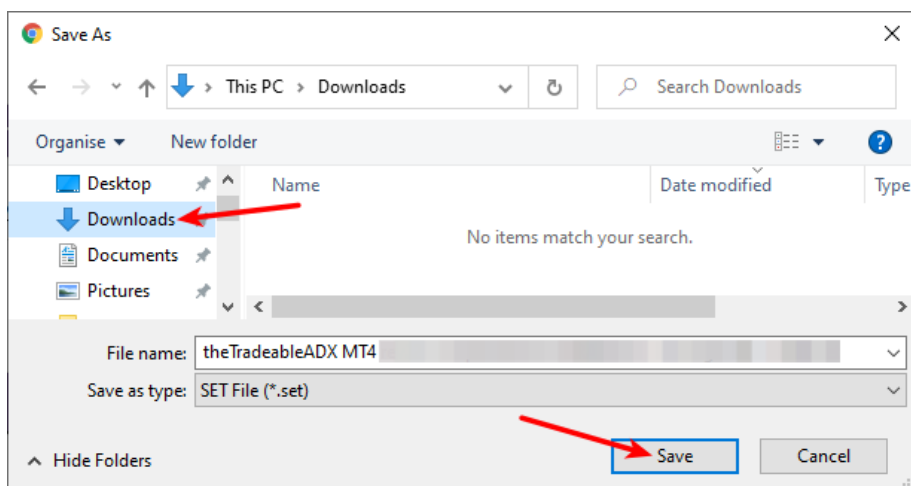
In this topic we guide you through how to download the EA settings from the [Settings Analysis](#) page, and load those settings into the EA in the MT4 application.

1. First, download the set file: Go to the [Settings Analysis](#) page.
2. Click on the analysis type, FOREX or INDEX markets, for which you want to get the set file. For instance, click on the **Comprehensive analysis: Details** link on the [Settings Analysis](#) page.

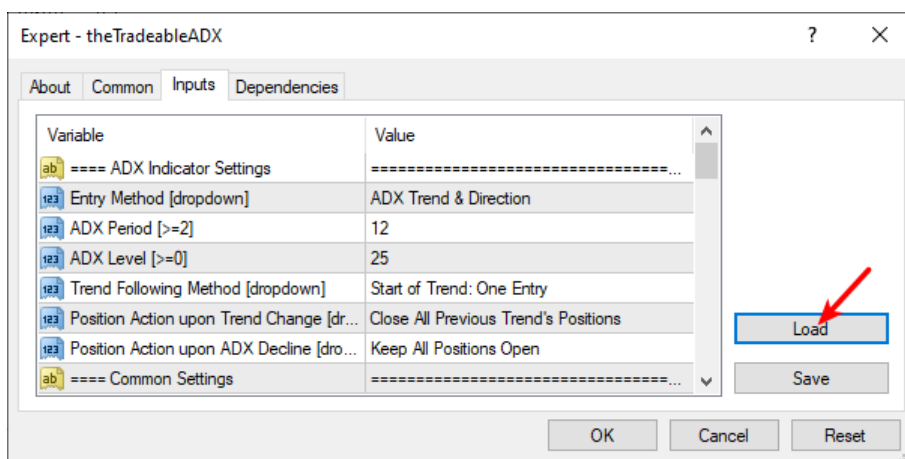
3. Right-click on the **MT4**  sign and select **Save link as...**

Leverage ▲	Timeframe ▼	Symbol ▼	Spread ▼	Set File ▼	Pass ▼	Model ▼
100	H1	AUDJPY	3.0	<b>MT4</b> 	<b>MT5</b> 	9782 Control & Tick
100	H1	AUDUSD	3.0	<b>MT4</b> 		
100	H1	EURAUD	4.0	<b>MT4</b> 		
100	H1	EURJPY	3.0	<b>MT4</b> 		
100	H1	EURUSD	3.0	<b>MT4</b> 		

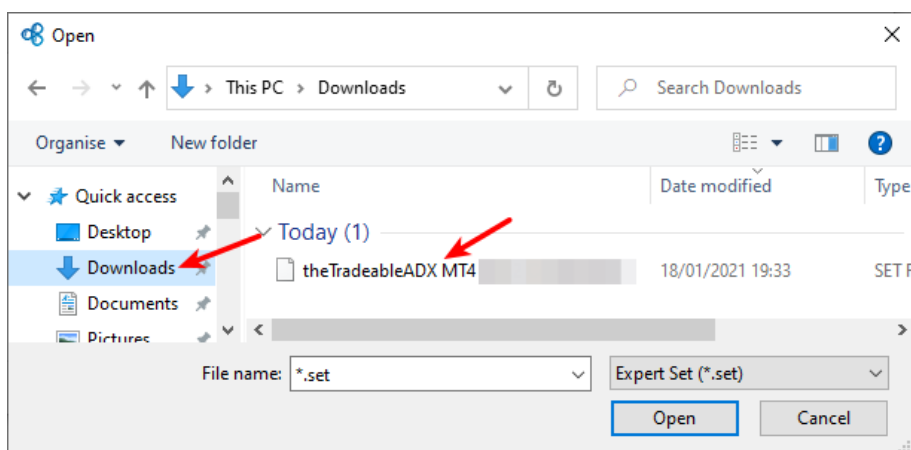
4. Click on **Downloads** in the Quick access list then click on the **Save** button:



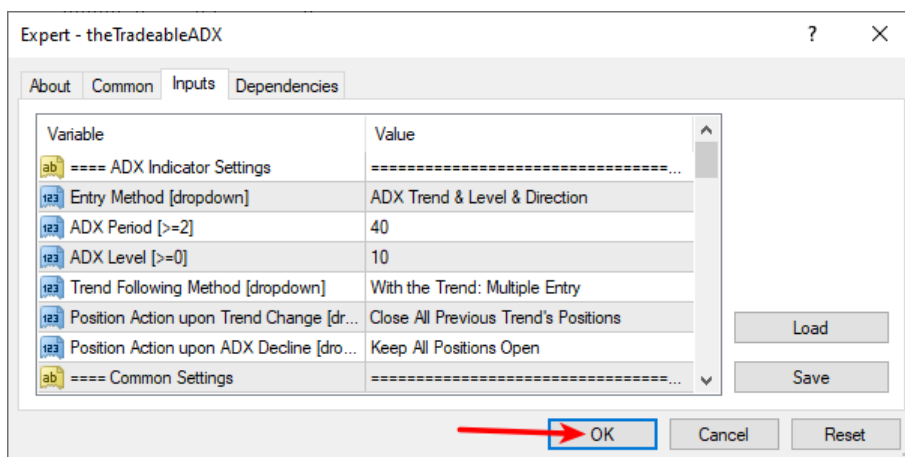
5. Now load the set file into your EA on an MT4 chart: Attach the EA to a new or existing chart.  
6. Click on the **Load** button:



7. Click on the **Downloads** in the Quick access list then double-click on the set file:



8. This loads the settings from the set file into the EA parameters. Click on the **OK** button:



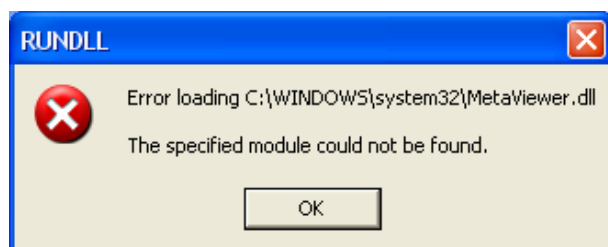
## 5.7 MetaViewer dll could not be found

### Issue

After the EA setup application finished the following error message was popped up:

**There was a problem starting C:\Windows\system32\MetaViewer.dll The specified module could not be found.**

**There was a problem starting C:\Windows\system32\MetaViewer64.dll The specified module could not be found.**



### Solution

From the EA installation perspective you can ignore this message.

The installer was at the very last step to start up the Users Manual PDF viewer. This is a request to the Windows operating system to start the registered PDF reader application and looks like Windows could not start up the PDF reader for some reason. This is probably a Windows or an MT4 settings problem.

Please double check that the EA appears in the MT4 terminal Navigator window (press Ctrl+N), it should be listed at the section **Expert Advisors**.

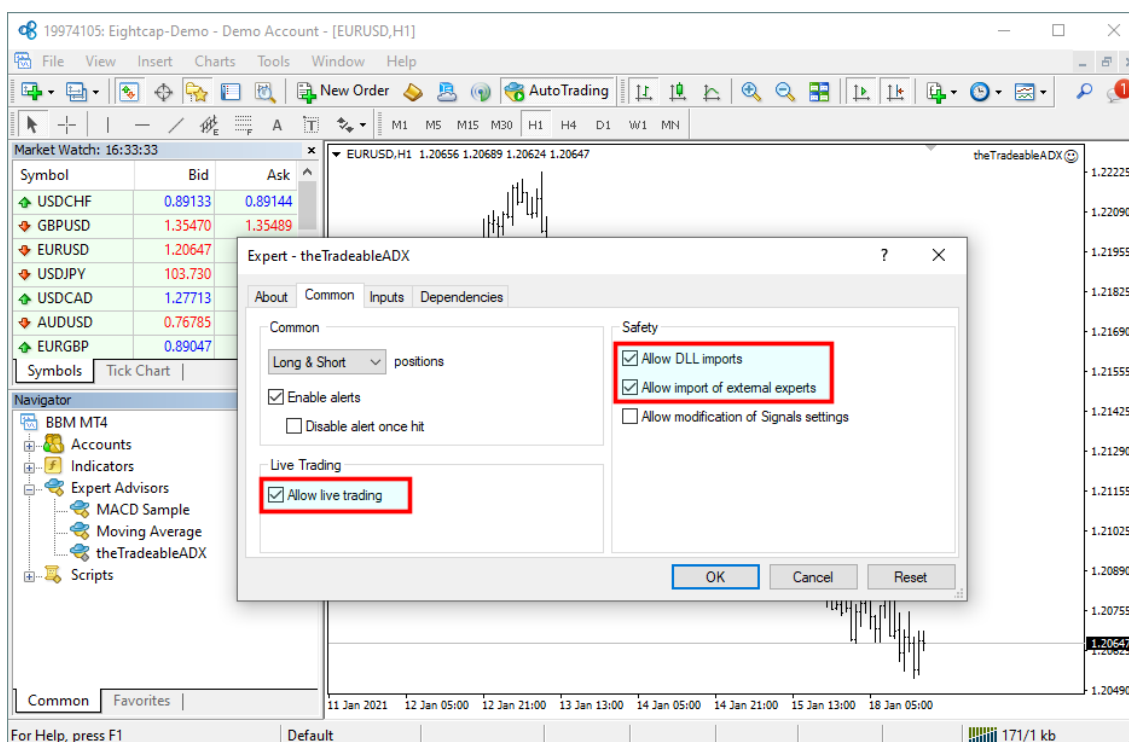
## 5.8 theTradeableADX Expert Advisor First Time Activation

Step by step guide to get the EA up and running on a chart for the first time.

The following pictures demonstrate the first time activation of the theTradeableADX Expert Advisor in a few steps.

### Attach the EA to a chart

1. Drag & drop the theTradeableADX Expert Advisor from the **Navigator** window (**View > Navigator**) to a chart window and select the **Common** tab:



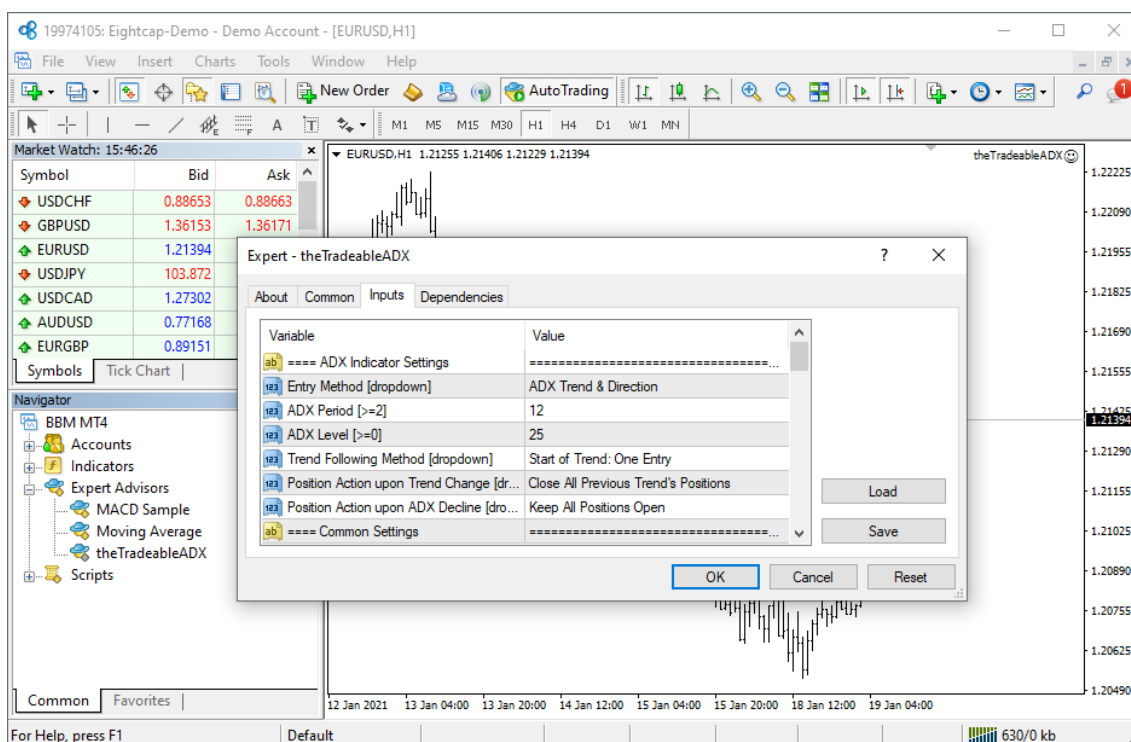
### Note:

Ensure that the

- **Allow live trading,**
- **Allow DLL import and**
- **Allow import of external experts**

are **ticked**.

2. Select the **Inputs** tab:

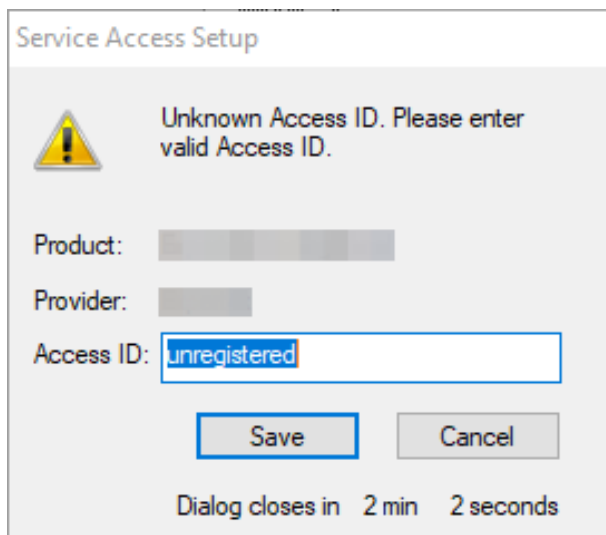


This lists the parameters of the EA where the operational aspect of the theTradeableADX EA can be set up. For more details see the [theTradeableADX EA Configuration Guide](#) – for now click on the **OK** button and let the EA start up with default settings.

#### Note:

At the very first time the EA may prompt for the Access ID to verify that the usage of product is licensed.

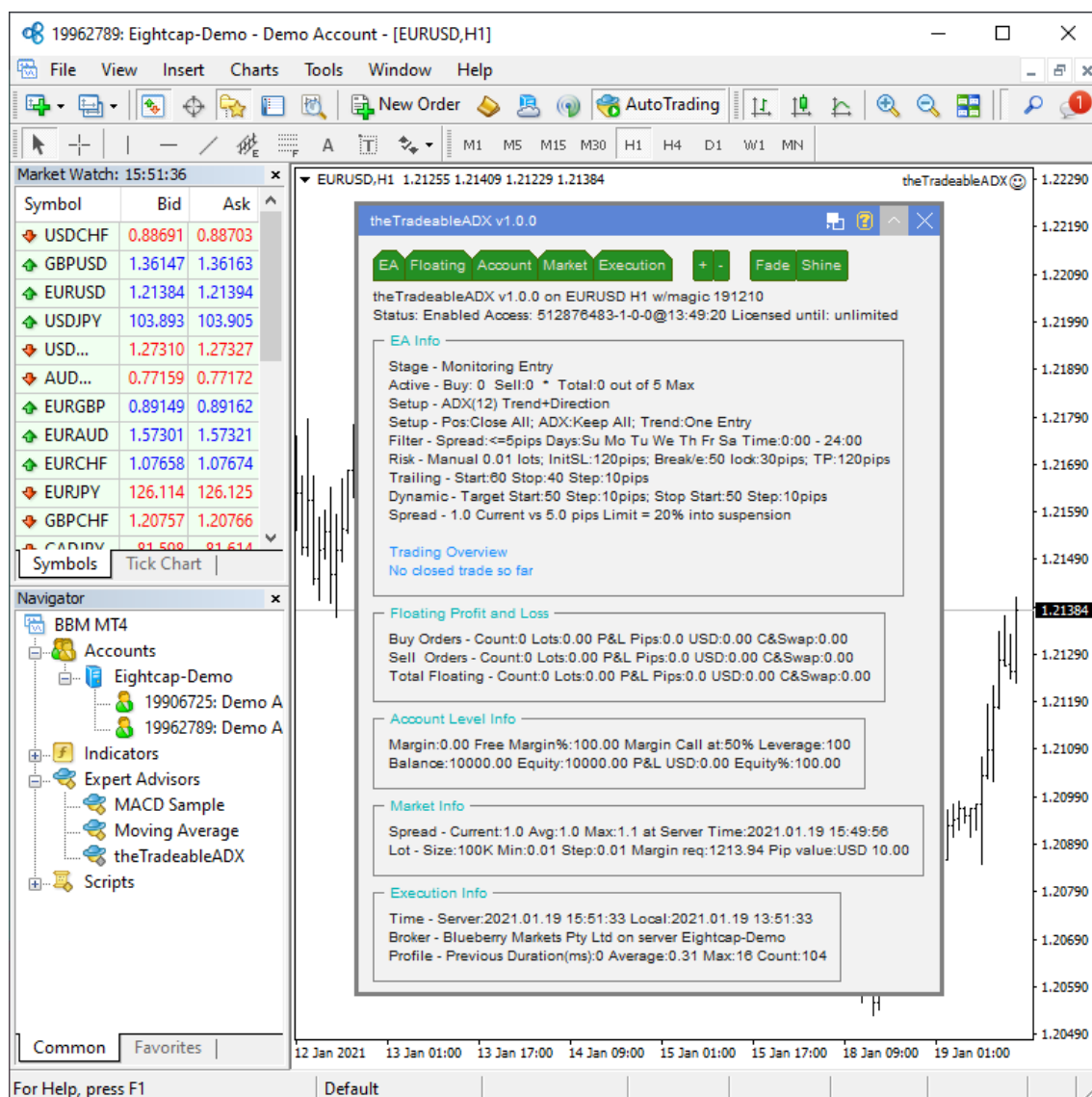
The Access ID is pre-configured and is the same as the login name to the web support site. Feel free to change your Access ID at the [Web Support Centre](#) and ensure not to share it with anyone else. Enter the Access ID and click on the **Save** button:



### The theTradeableADX EA is up and running

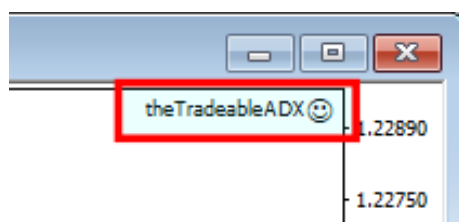
After successful authentication the theTradeableADX EA starts up.





The theTradeableADX Expert Advisor has been attached to the chart. The smiley face in the top-right corner shows that the initialisation of the theTradeableADX Expert Advisor was successful and the EA is now looking for trading opportunities.

See the smiley face in the corner:

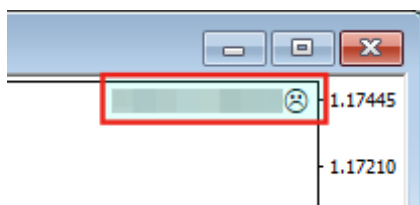


In case of a problem getting the EA up and running please refer to the [Knowledgebase](#) section.

## 5.9 Sad Face Instead of Smiley Face After Attach

### Issue

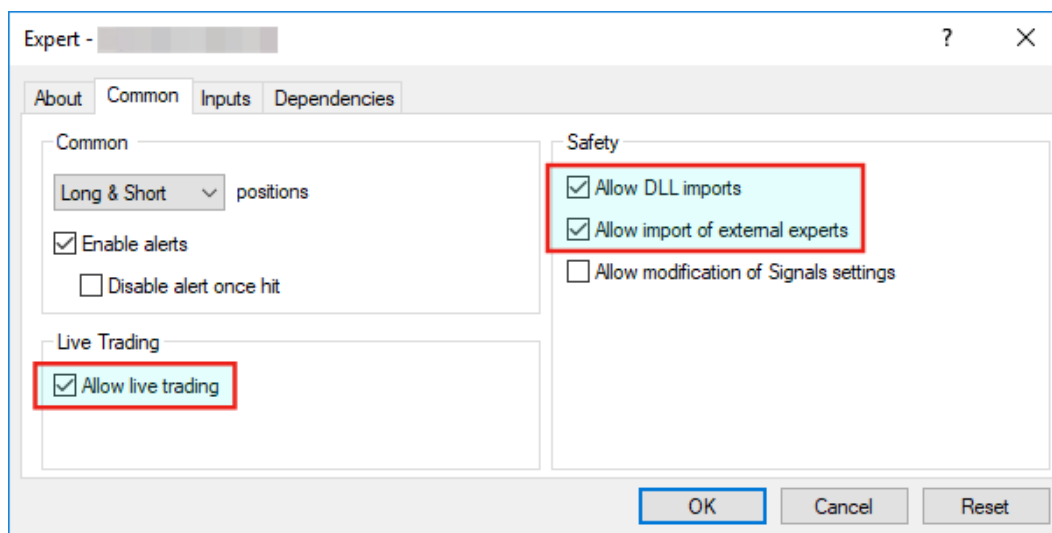
After attaching to chart the EA is not managing trades, a *sad* face appears in the top right corner of the chart.



### EA's common parameters might be not enabled

The **Allow live trading**, **Allow DLL imports** and **Allow import of external experts** might be not enabled

- Press F7 key and verify that the **Allow live trading**, **Allow DLL imports** and **Allow import of external experts** are checked in the EA property dialog.

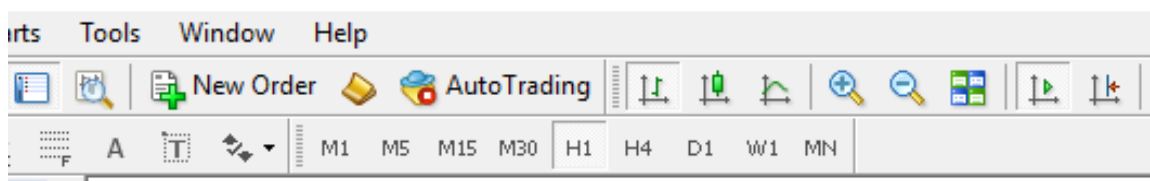


### Autotrading is disabled

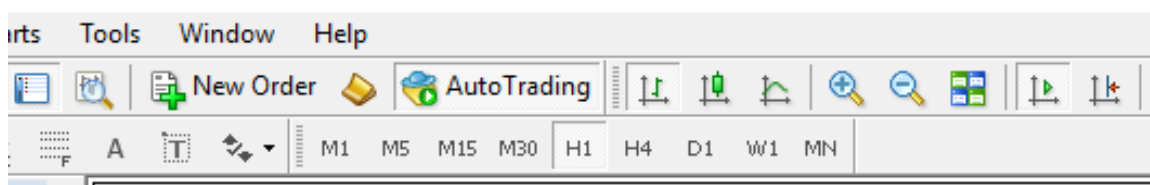
The **AutoTrading** might be disabled

- Verify that the toolbar button **AutoTrading** is pressed.

Toolbar button when Expert Advisors disabled:



Click to enable:



## 5.10 What is the Leverage of My Account

### Question

What is the leverage of my MT4 broker account?

I am logged in to my demo or live MT4 account and want to know the leverage available on the account.

## Answer

The theTradeableADX EA displays the MT4 account leverage on its dashboard, at the section **Account Level Info**.

See the reported leverage value at the end of the first line:



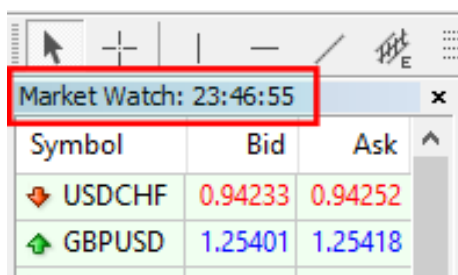
In the above picture the leverage is reported as 400, which represents 400:1 account leverage.

## 5.11 How to Figure Out My Broker's GMT Offset?

The MT4 platform presents its chart using the time of its broker server. The various brokers configure their server time according to their own choice, many of them are in one of the European timezone ranging from GMT+0 to GMT+3, but some brokers opt to have their server in the US Eastern timezone, which is GMT-5. These GMT offsets may get further adjusted for the daylight savings from March till October of every year.

The theTradeableADX EA uses the time for trading decisions therefore its time input parameters need to be adjusted by the GMT offset of the broker's server. This article describes how to figure out the GMT offset specific to the MT4 broker account.

1. The Market Watch window's header shows the broker's server time, press Ctrl+M in the MT4 terminal:



This time can be compared to the GMT+0 time to calculate the GMT offset of the broker, as per the next step.

2. In a web browser search for *gmt time* keywords to see the current GMT time.
3. Calculate now the broker GMT offset = 'Market Wacth time' - 'GMT time'.

For an example, assuming the following:

- Market Watch time: 18:29
- GMT time as per the search result: 15:29

Then the calculated GMT offset is  $18:29 - 15:29 = 3:00$  hours. In practice - in the limited context of the forex broker servers - it is sufficient to calculate the difference between the hour parts:  $18 - 15 = 3$  hours.

**Note:** For broker servers located in Europe the GMT offset is likely to be in the range of 0 and 3, i.e. a zero or positive number. For broker servers located in the US the GMT offset might be in the range of -5 and -6, i.e. a negative number. Keep in mind that these figures may get further adjusted by the daylight savings.

Based on past experience, with no guarantee that the information is correct, these are a few sample broker GMT offsets observed as of July 2015:

MT4 Terminal	Broker	GMT Offset
AxiTrader	AxiCorp Financial Services Pty Ltd	+3
IC Markets	International Capital Markets Pty Ltd	+3
InstaForex	InstaForex Companies Group	+3

MT4 Terminal	Broker	GMT Offset
FXCM	Forex Capital Markets Inc	+3
ThinkForex	TF Global Markets (Aust) Pty Ltd	+3
RoboForex EU	RoboForex (CY) Ltd	+3
Tallinex	Tallinex Ltd	0
Oanda	OANDA Corporation	-4
MB Trading FX	MB Trading Futures Inc	-4

## 5.12 EA Is Not Starting Up After Attach to Chart

### Issue

The EA reports successful initialisation and advises about disabled Expert Advisors.

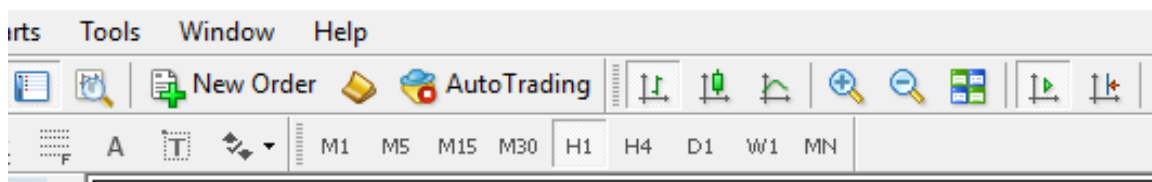


### Autotrading is disabled

The **AutoTrading** might be disabled

- Verify that the toolbar button **AutoTrading** is pressed.

Toolbar button when Expert Advisors disabled:



Click to enable:



## 5.13 No Updates to Chart

### Issue

The theTradeableADX EA does not update information on the chart for several minutes.

### Connection Lost

MetaTrader should be connected to the broker's server.

1. Check the bottom right corner of MetaTrader, this is when it has lost connection to the server:

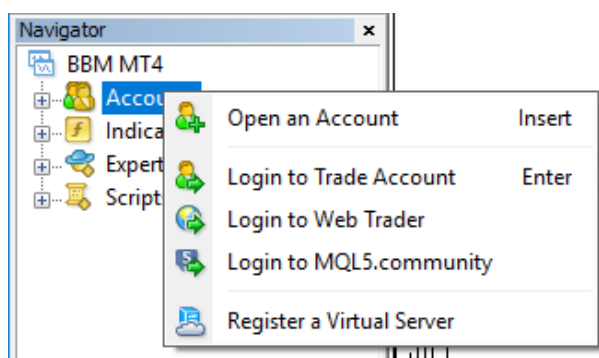


2. If connection is lost then login again or restart MT to force reconnection. Try again activating the theTradeableADX EA when connection is back.

### Demo account is expired

MT4 will not be able to connect to the demo account if it's expired. In this case MT4 will keep asking for the login details and fail all login attempt.

- When this happens open a new demo account (right click **Accounts** in Navigator window and select **Open an Account**).



### Market is closed

New tick information and updates to chart happens when markets are open.

- Double check that markets are meant to be open currently.

### Disk is full

There should be at least 50MB free disk space available on the drive MetaTrader is installed on.

- If the free disk space is low then free up space.

## 5.14 Prompted for Access ID at Service Access Settings

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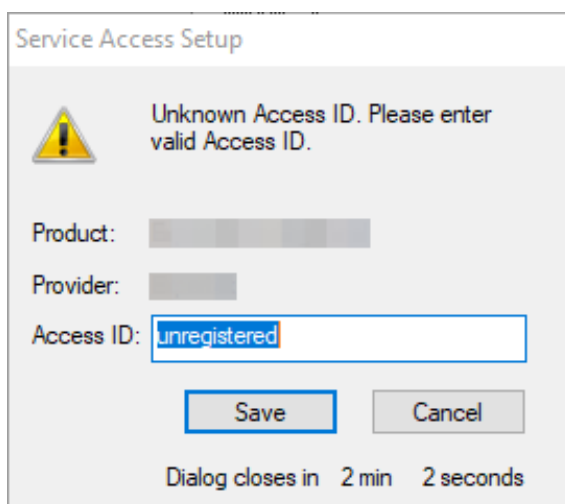
### Issue

After attaching to chart the theTradeableADX EA asks for my Access ID in the Service Access Settings window.

### Type in your Access ID

The theTradeableADX EA checks that the usage of product is appropriately licensed. After product purchase a user profile is created on our web support site and the product can be downloaded from that web site. The support site allows to set up an Access ID which is required by the theTradeableADX EA to validate the product licence. By default this Access ID is configured to be the same as your selected login name to the web support site.

- When prompted, please enter your Access ID to the window and click *Save*:



Please do not share out to others your Access ID. That is against the licence agreement terms and conditions and also all 3rd party usages will count when checking the number of EA copies being used. Sharing out your Access ID can result in licence check failure and the EA may stop functioning.

Keep your Access ID secure, change it away from the its default value at any time on the [Web Support Centre](#) site.

## 5.15 How to Edit the EA Input Values

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### Question

How can I edit or change the settings of the theTradeableADX EA once it is attached to a chart?

### Answer

In order to edit the input parameters of an EA which is already attached to a chart follow these steps

1. Select/click the chart which hosts the theTradeableADX EA in your MT4 application.
2. Press **F7** on your keyboard, or alternatively click on the **smiley** (or **sad**) icon in the top-right corner of the chart.
3. Edit the theTradeableADX EA input values in the appearing EA properties window
4. Click **OK** when editing is complete

## 5.16 Not Enough Memory For Bar History Or Indicator

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### Issue

Some of the market bar history data or an indicator fails to load because the MT4 runs out of memory. An error message similar to the below is reported:

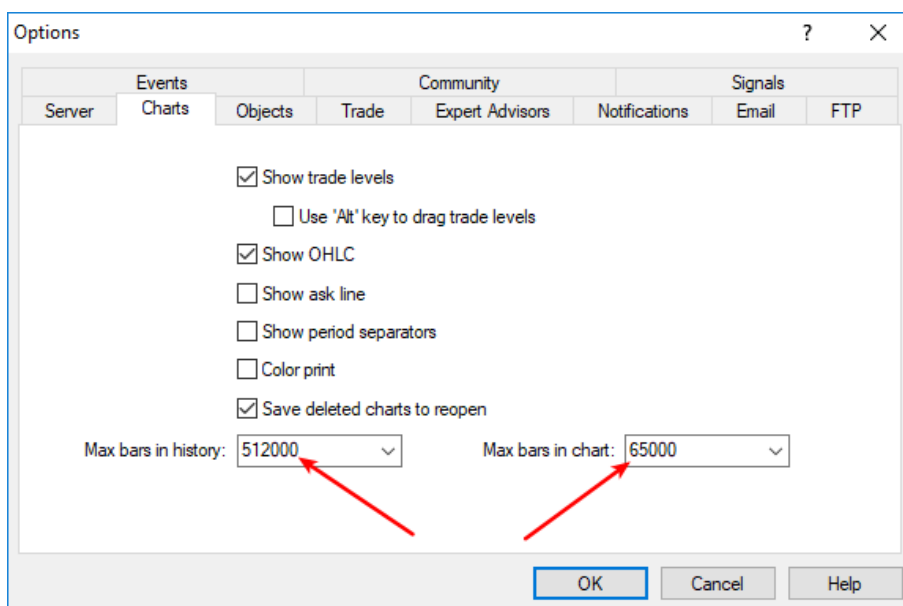
```
----- Error Messages
ERROR 85130:RSI indicator failed to load or fit in memory.
At Broker Time:2018.03.02 21:59:50 Local Time:2018.03.04 11:58:50 Count:1
MT4:4075 not enough memory for indicator
Bid:1.904380 Spread:27.9 StopLevel:0.1 Tradeable:Yes
```

### Solution

The bar history data takes up too much memory when loaded into RAM and the charts. The MT4 application needs to be configured to keep less number of bars on the charts.

1. In the MT4 application menu select **T**ools > **O**ptions then select the **C**harts tab.

2. Enter 512000 into the **Max bars in history**, and 65000 into the edit box **Max bars in chart**:



3. Attach the EA to the chart now. If the issue is still there then go back to the previous step and enter half of the previous values. Keep repeating these two steps - halving the values every time - until the EA attaches successfully.

## 5.17 No Trades Due to Trade Disabled

### Issue

The theTradeableADX EA got attached to a chart, the EA is up and running. It keeps submitting market orders to the broker server. However, the broker's server does not execute these market orders, instead, the broker says the trade on this broker account is disabled:




The broker server reports the MT4 error code 133, which means that the **trade is disabled** on the account. This is not an EA issue, instead, this is an issue with the broker account. For some reason the broker account does not allow you to trade that market.






### Solution

1. Restart the MT4 terminal to see if the restart and reconnect to the broker resolves this: In the MT4 menu select **File > Exit**, wait 5 seconds then start the MT4 up again.
2. Identify another symbol for the same market which is enabled for trading: In the MT4 menu select **View > Symbols** and search for symbol with different/extra suffix in the name, like EURUSD**Decn**. Add that symbol to the **Market Watch** window then attach the EA to this new symbol.
3. Logging into your MT4 broker account with the **investor login** credentials disables trading. Ensure that you log in to your broker account with the **full trader login** credentials.
4. Create another demo account with the broker.
5. Contact your broker and ask their support team to enable trading on the symbol or account
  1. Your broker account may have reached some trade limits (e.g. overall maximum lots).
  2. Your broker may have put (temporarily) trading limitations on your account for some reason.
  3. Your broker may have to enable trading by EAs.

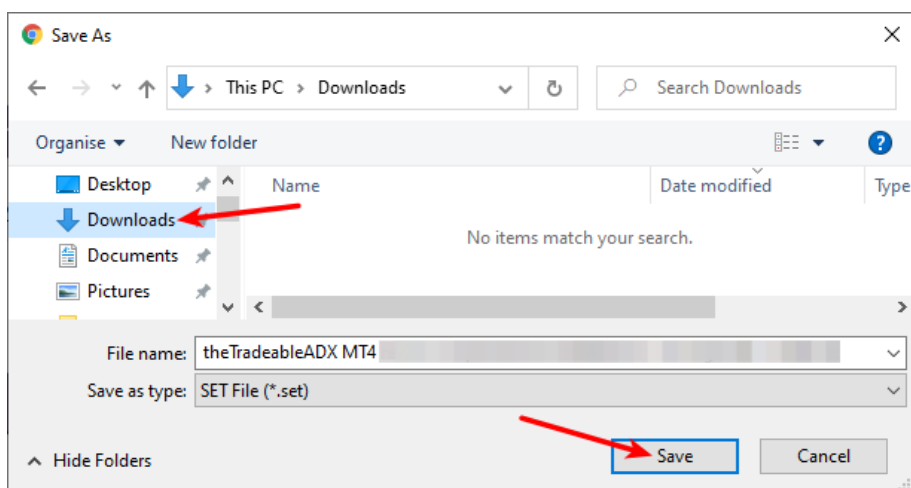
## 5.18 How to Load Setfile from the Settings Analysis Site for Backtesting

In this topic we guide you through how to download the EA settings from the [Settings Analysis page](#), and load those settings into the EA in the Strategy Tester of the MT4 application for backtesting.

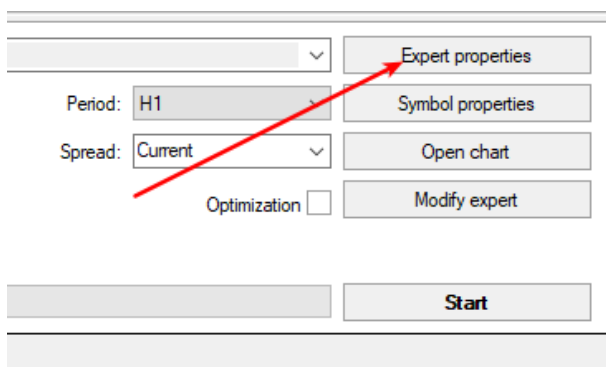
1. First, download the set file: Go to the [Settings Analysis page](#).
2. Click on the analysis type, FOREX or INDEX markets, for which you want to get the set file. For instance, click on the **Comprehensive analysis: Details** link on the [Settings Analysis page](#).
3. Right-click on the **MT4**  sign and select **Save link as...**

Leverage	Timeframe	Symbol	Spread	Set File	Pass	Model
100	H1	AUDJPY	3.0	MT4 	8792	Control & Tick
100	H1	AUDUSD	3.0	MT4 		
100	H1	EURAUD	4.0	MT4 		
100	H1	EURJPY	3.0	MT4 		
100	H1	EURUSD	3.0	MT4 		

4. Click on **Downloads** in the Quick access list then click on the **Save** button:

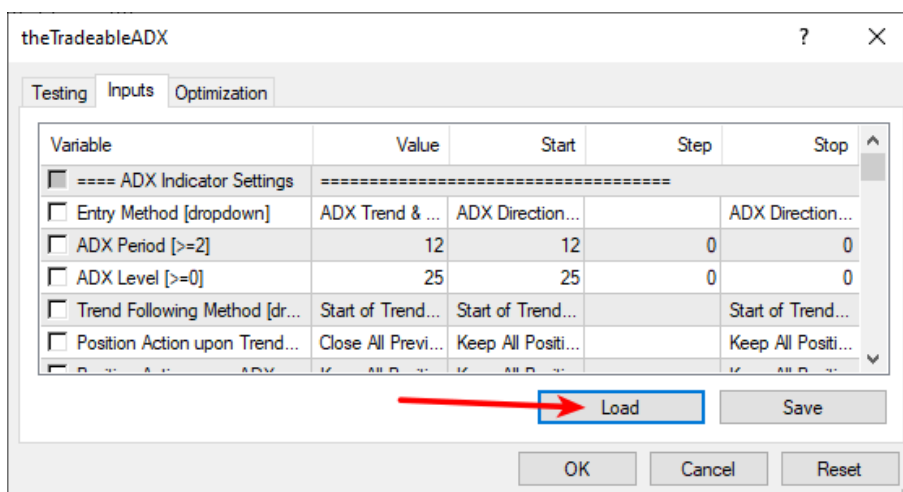


5. Now load the set file into your EA in the MT4 Strategy Tester: Go to the MT4 Strategy Tester and click on the **Expert properties** button:

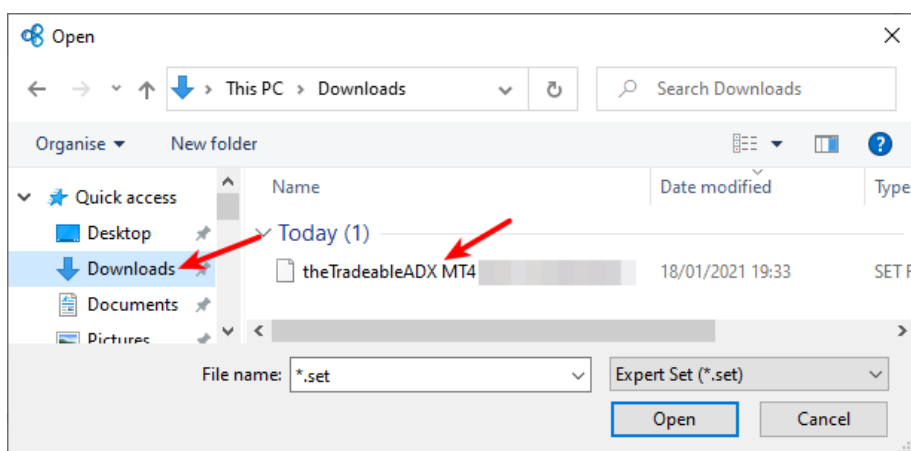


6. Click on the **Load** button:

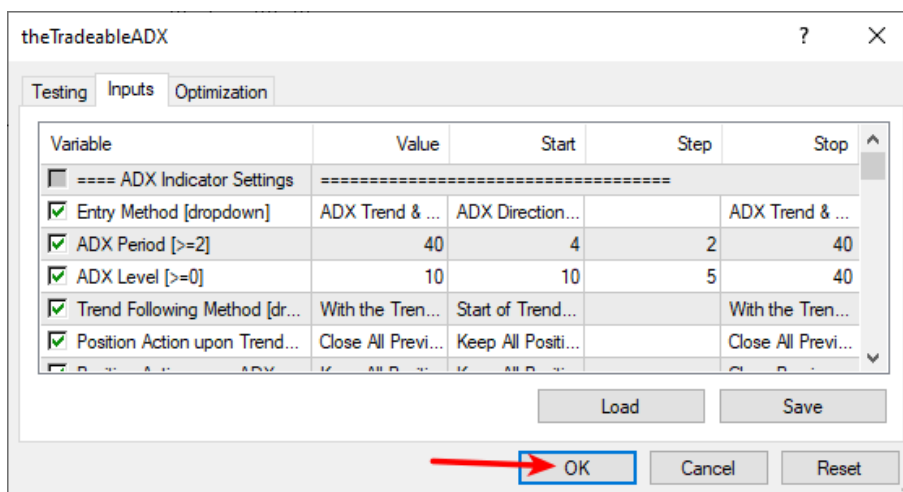




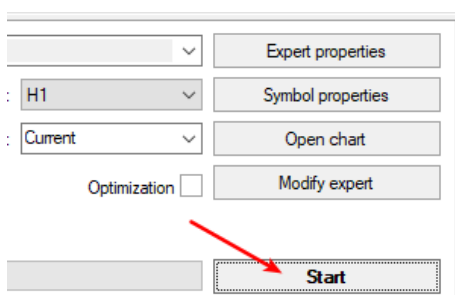
7. Click on the **Downloads** in the Quick access list then double-click on the set file:



8. This loads the settings from the set file into the EA parameters. Click on the **OK** button:



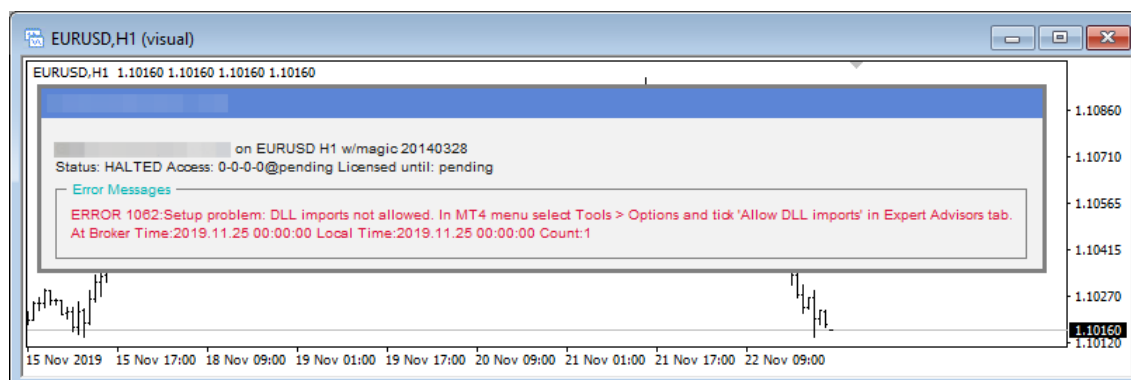
9. Run the backtest: Click on the **Start** button of the Strategy Tester:



## 5.19 Backtest In Visual Mode Not Working

### Issue

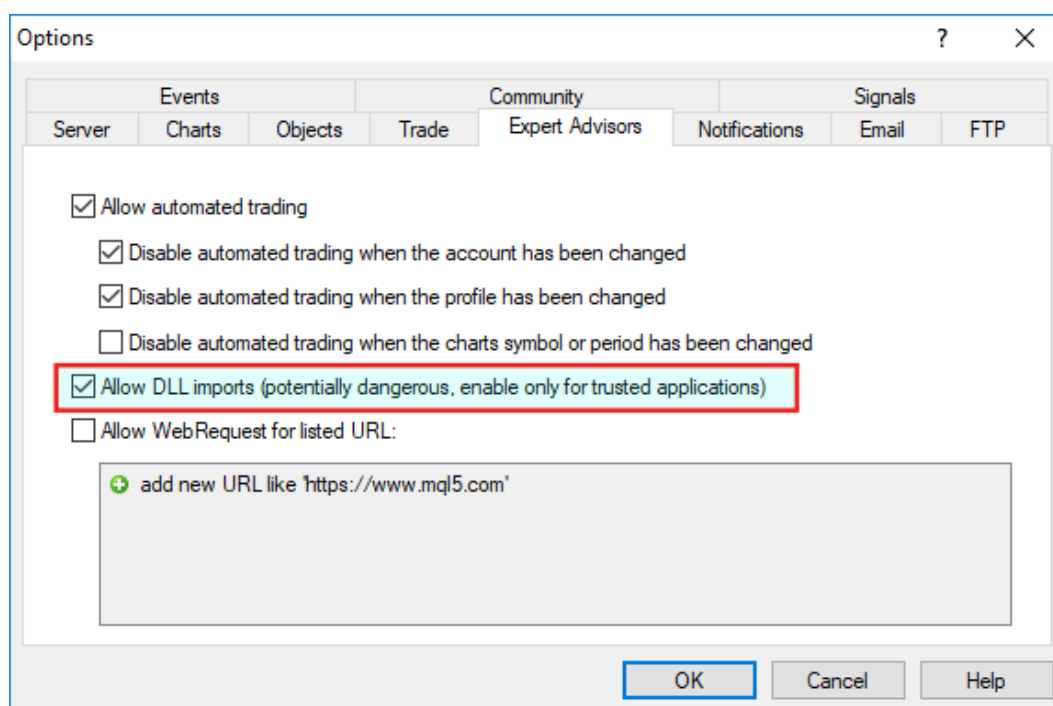
In the **Strategy Tester** using the visual mode **DLL imports not allowed** message appears on the chart. No result after the **Strategy Tester** finished its run.



### Global Allow DLL imports is not enabled

You may need to enable the DLL imports in the MT4 for terminal global parameters to run the theTradeableADX EA in the backtest environment.

1. Open the MT4 global Options by selecting **Tools > Option** (*CTRL+O*)
2. Select the **Expert Advisors** tab
3. Check the **Allow DLL import**

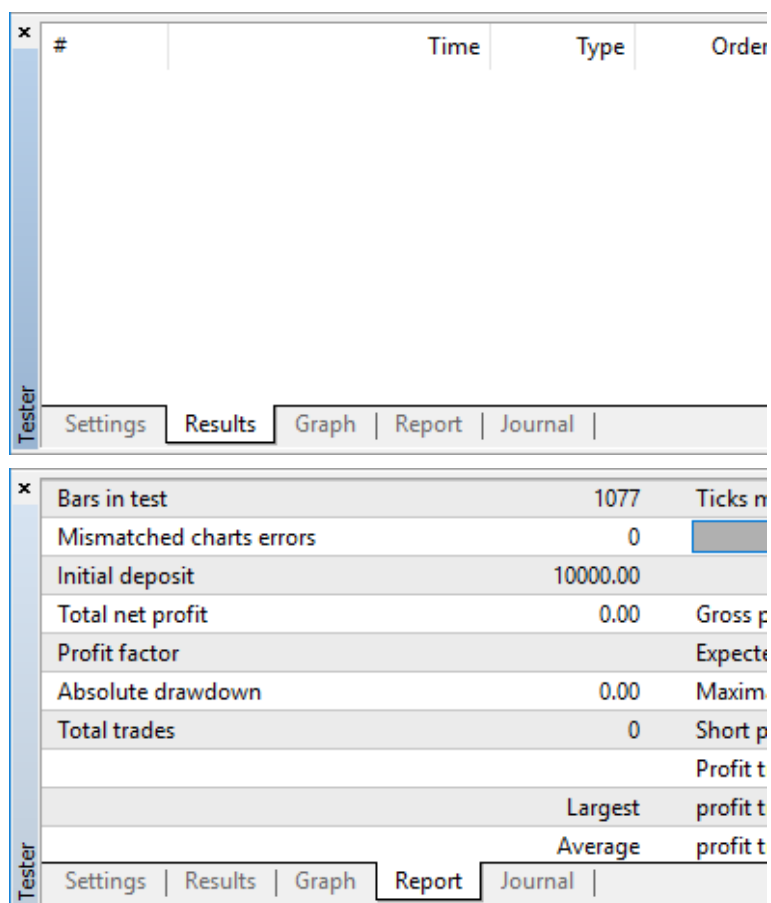


4. Restart the MT4: exit the MT4 application, wait 5 seconds then start it up again.

## 5.20 Backtest Not Working

### Issue

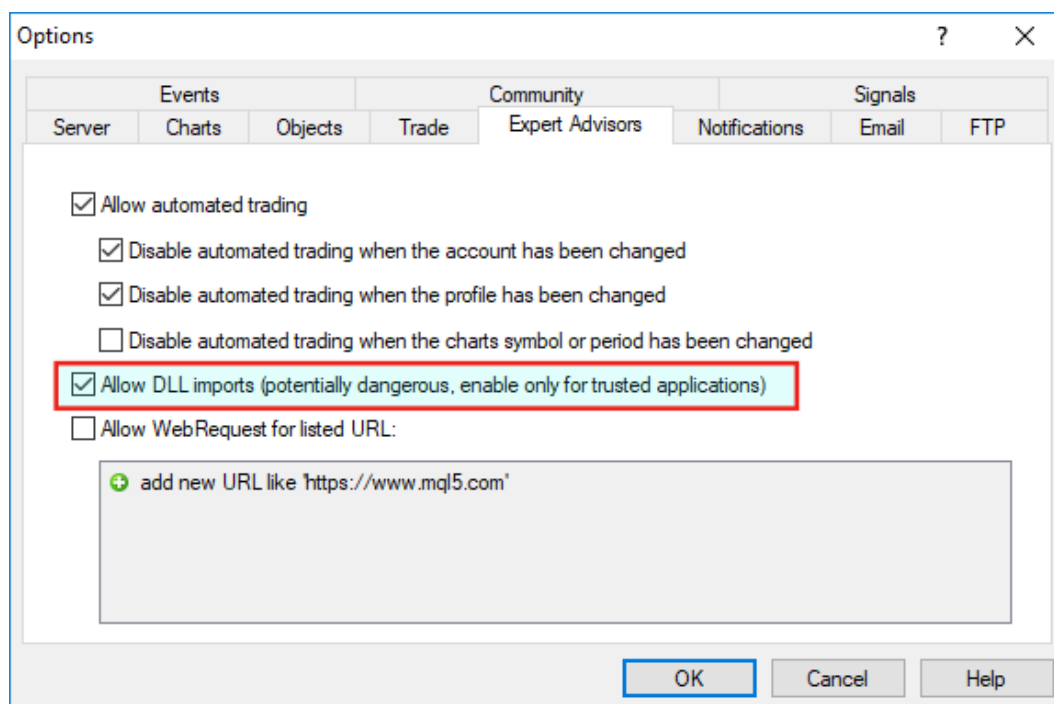
After the backtest finished no result showing.



## Global Allow DLL imports is not enabled

You may need to enable the DLL imports in the MT4 for terminal global parameters to run the theTradeableADX EA in the backtest environment.

1. Open the MT4 global Options by selecting **Tools > Option** (*CTRL+O*)
2. Select the **Expert Advisors** tab
3. Check the **Allow DLL import**



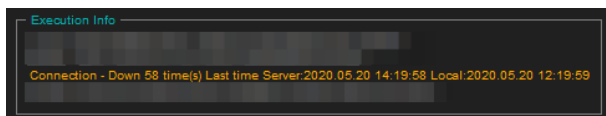
- Restart the MT4: exit the MT4 application, wait 5 seconds then start it up again.

## 5.21 Connection Down Message

---

### Issue

The theTradeableADX EA got attached to a chart and the EA is up and running. The EA monitors the connection between the MT4 terminal and the broker server. When the MT4 loses connection to the broker server then the EA presents this Connection Down message in its dashboard - see the orange message as an example:



In the above screenshot the last connection issue happened at 14:19 broker server time (chart time).

This means that somewhere along the Internet connection path from your computer to the broker server, including your home networks, the Internet and your brokers remote networks, there was some temporary issue resulting in data transfer interruption.

During this time the theTradeableADX EA cannot receive price feed from the broker, i.e. no ticks are coming in. This also means that, due to the lack of price feed and ticks, the EA is not activated and cannot perform trading or managing open trades. When the MT4 re-establishes the connection to the broker server and price feed comes in again then the EA automatically resumes its trading operations.

### Solution

In order to minimize the downtime, please ensure the following:

1. Your computer is connected to your home networks over a wire, i.e. cabled to your modem or router. Note that wireless connectivity is more prone to connection issues.
2. Use a cable based Internet service provider, if feasible. Wireless based Internet service providers, like mobile or cellular based Internet providers could have more connectivity issues.
3. [Turn off the sleep or hibernation mode](#) on your computer. When your computer goes into sleep or hibernation the Internet connection would be lost.
4. If in doubt, restart your home networks: shutdown your computer, turn off your modem or router, wait 10 seconds then turn back on the modem/router then your computer.

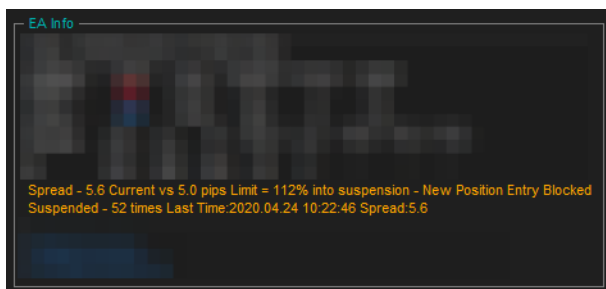
**Note** that even the best Internet connection could see a handful of connection issues on a daily basis. When you see more than a handful, like into 100 or more a day then your attention is needed.

## 5.22 Suspended Message

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### Issue

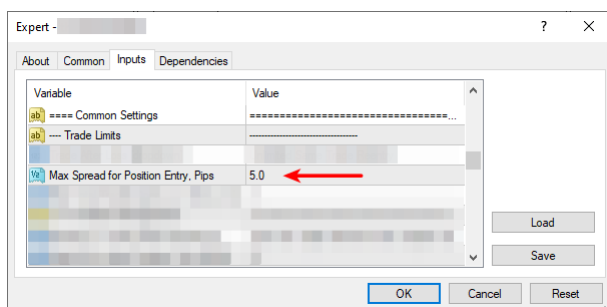
The theTradeableADX EA got attached to a chart and the EA is up and running. After a while the dashboard shows the suspended message:



The suspended message simply tells you that the actual market spread got higher than the configured [Max Spread for Position Entry](#) for a period of time.

## Solution

Here is an example screenshot where the [Max Spread for Position Entry](#) is set to 5 pips:



The EA temporarily holds back trading activities while the market spread goes higher than the configured 5 pips, but will automatically resume the trading once the market spread drops back to or below the Max Spread value. This provides a protection against trading during high spread periods like over night or during news or announcements.

If you do not want trades to take place during high market spread periods then no change is needed. If you trade a market which has higher spread even during peak of the trading sessions then you may want to adjust the Max Spread settings accordingly higher.

For more information please refer to the [Max Spread for Position Entry](#) page

## 5.23 Computer Always-on

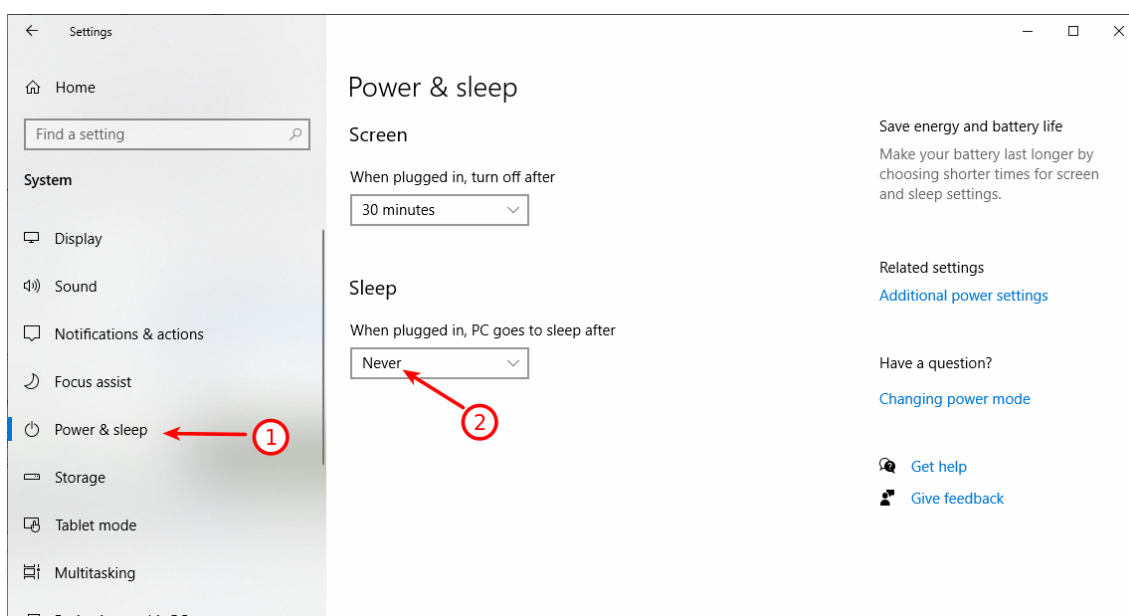
### Question

How to ensure that Windows does not go into sleep or hibernation mode?

### How to Turn off Sleep & Hibernation

Ensure that your computer is turned on throughout the FOREX market hours from Monday to Friday, and your computer is running the MT4 application and the EA is attached to a chart. Simply leave your computer and the MT4 up and running at all times. Please ensure that your Windows does not go into sleep or hibernation mode:

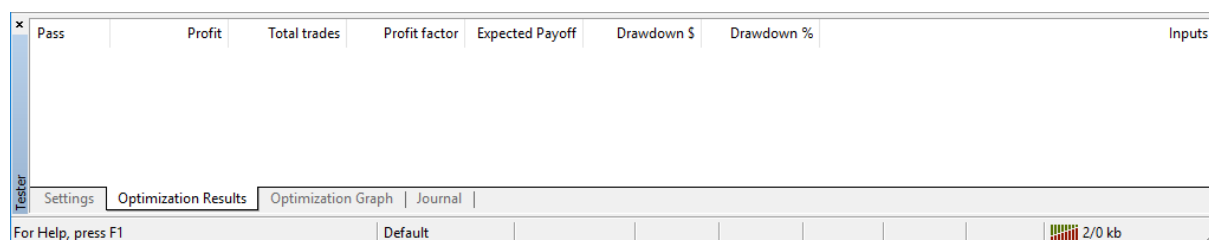
1. Go to **Start > Windows Settings > Power & Sleep**
2. Select **Never** in the dropdown:



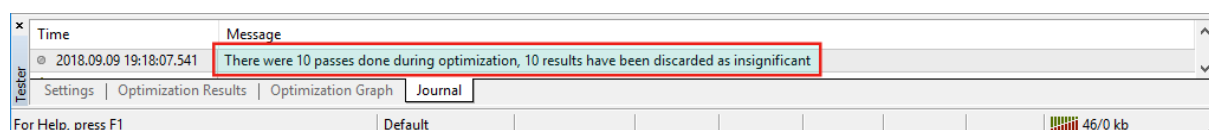
## 5.24 No Result in Optimization

### Issue

After the optimization finished no result is showing in the **Optimization Results** tab in the Tester

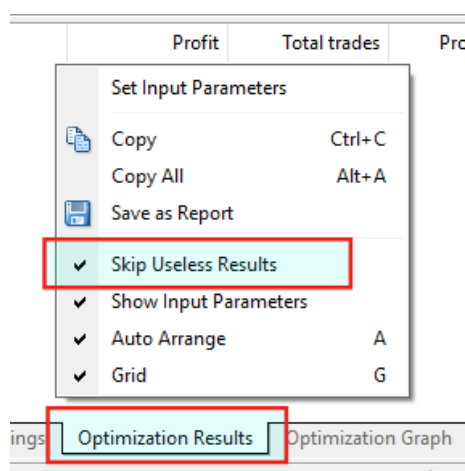


The following message was found in the Tester Journal tab **There were X passes done during optimization, X results have been discarded as insignificant.**

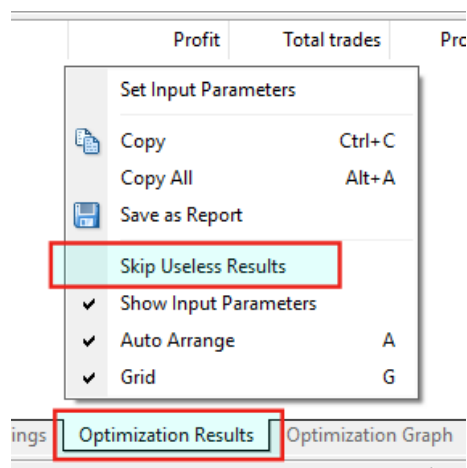


### Solution

To resolve the "insignificant" issue before you start the optimization you may need to uncheck the **Skip Useless Results** in the **Optimization Result** tab.



1. Click the **Optimization Results** tab in the Tester.
2. Right click in the empty area for the menu above.
3. **Uncheck** the **Skip Useless Result** menu

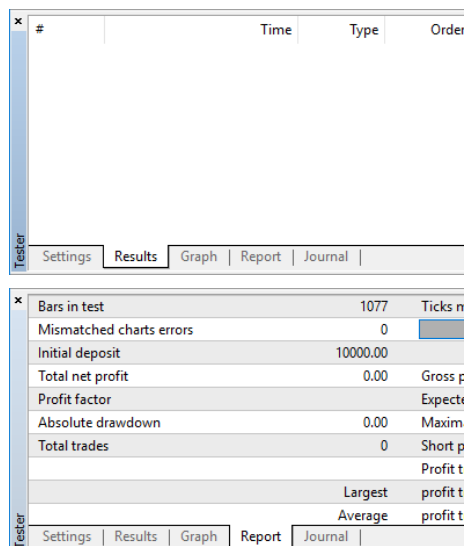


4. Rerun the optimization.

## 5.25 No Trades During Backtesting

### Issue

After the backtest finished no trades are showing.

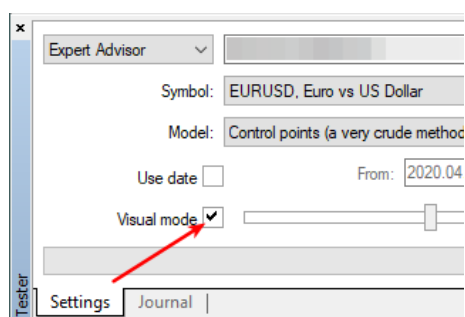


If you see no trades during backtesting then usually it is down to either EA settings issue or MT4 bar history issue.

### Run a Backtest in Visual Mode

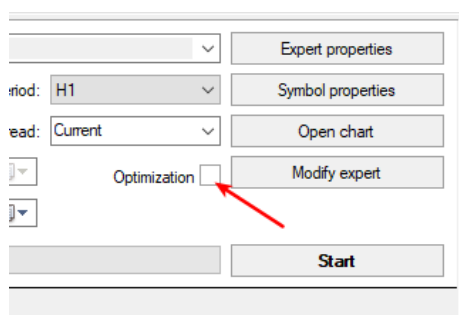
In order to see any settings issue with the theTradeableADX EA I would suggest to run a backtest in Visual mode. This would give a chance to see the EA dashboard and any error message in it.

Go to the MT4 Strategy Tester window and tick the **Visual mode** box:



**Tip:** In the event of no **Visual mode** box is visible then follow the steps in the [Visual Mode Checkbox Missing in Strategy Tester](#) topic.

Do not forget to clear the **Optimization** box if it was ticked before:



Now run the backtesting in visual mode: click on the Start button. The Visual mode would make visible any potential EA messages in the backtesting chart, giving hints for next steps.

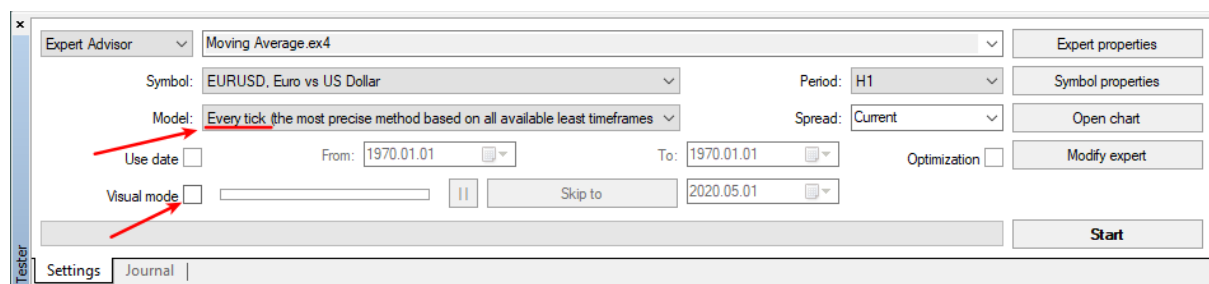
Watch out for any **red messages** in the chart area.

You may find these knowledge based topics useful to resolve them:

- [Backtest In Visual Mode Not Working](#), and
- [Backtest Not Working](#)

## Check the Bar History Quality

Once no errors are reported in the EA dashboard then you may turn off the visual mode and run the backtest. Ensure that you use the **Every tick** mode during the backtest (**Settings tab**):



And double check that you get *90% modeling quality* when you run the backtest (Results tab):

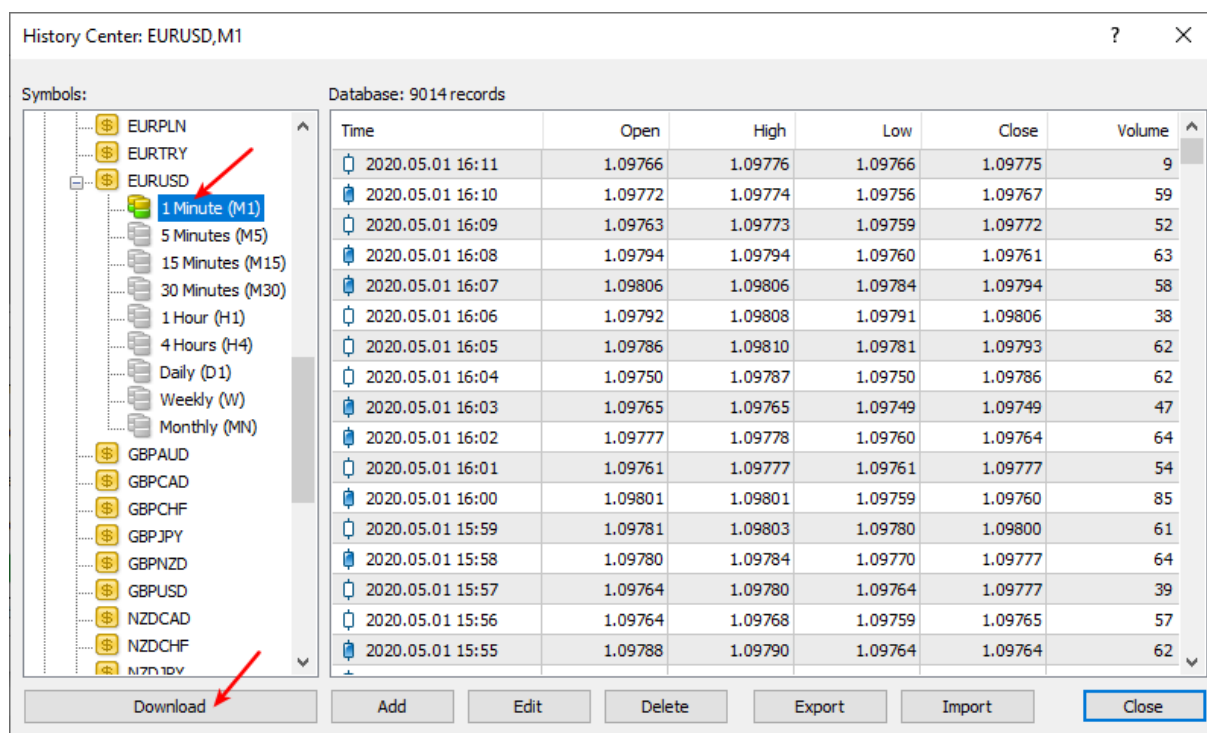
Bars in test	1410	Ticks modelled	1182085	Modelling quality	90.00%
Mismatched charts errors	0				
Initial deposit	10000.00			Spread	Current (13)

If you get less than 90% then the bar history in your MT4 is not complete for the calendar period you test, and the test results are not valid.

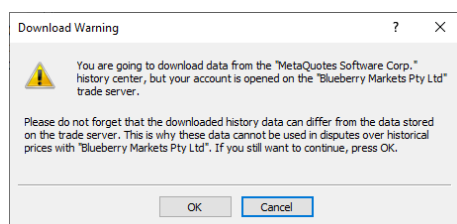
Bars in test	1529	Ticks modelled	1387257	Modelling quality	36.82%
Mismatched charts errors	0				
Initial deposit	10000.00			Spread	Current (13)

In this case you could download bar history from MetaQuotes: select in the MT4 menu the **Tools > History Center** point, navigate in the symbols tree to the pair you test, double click on the 1 Minute (M1) node for that pair then click on the Download button:





Note that the downloaded bar history will be from MetaQuotes, not from your broker. There could be some differences in the bar history therefore your backtesting results may somewhat differ from your own broker.



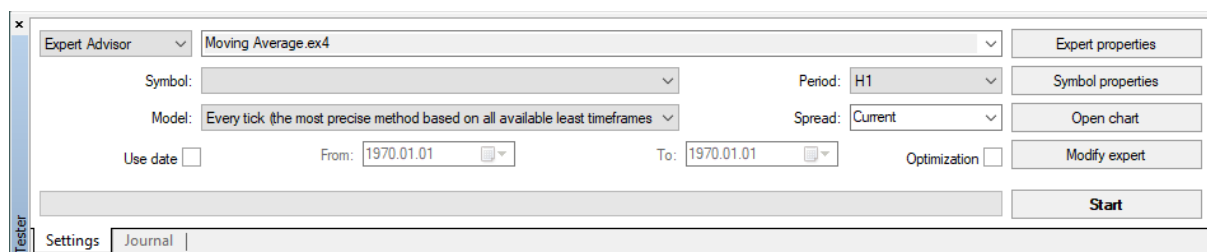
Once you downloaded the bar history a good practice is to restart the MT4: exit the MT4, wait 5 seconds then start it up again.

Now re-run the backtest with **Every tick** mode and check if you get the *90% modeling quality*, and see the trading results.

## 5.26 Visual Mode Checkbox Missing in Strategy Tester

### Issue

Visual mode checkbox is missing in the Strategy Tester.



### Solution

The Strategy Tester window hides some control elements when the window itself is not tall enough, i.e. the **Visual mode** checkbox could become hidden. Make the Strategy Tester window taller in order to make all the control elements visible, like the **Visual mode** checkbox.

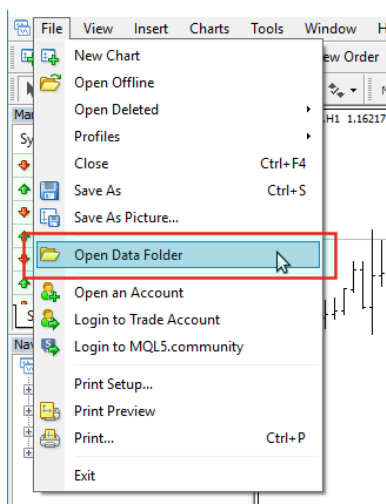
Hover the mouse over the top edge of the Strategy Tester window and drag the edge upwards:

- 
- 
- 
- 
- 

## 5.27 Step-by-step Installation of Expert4x EAs and Indicators

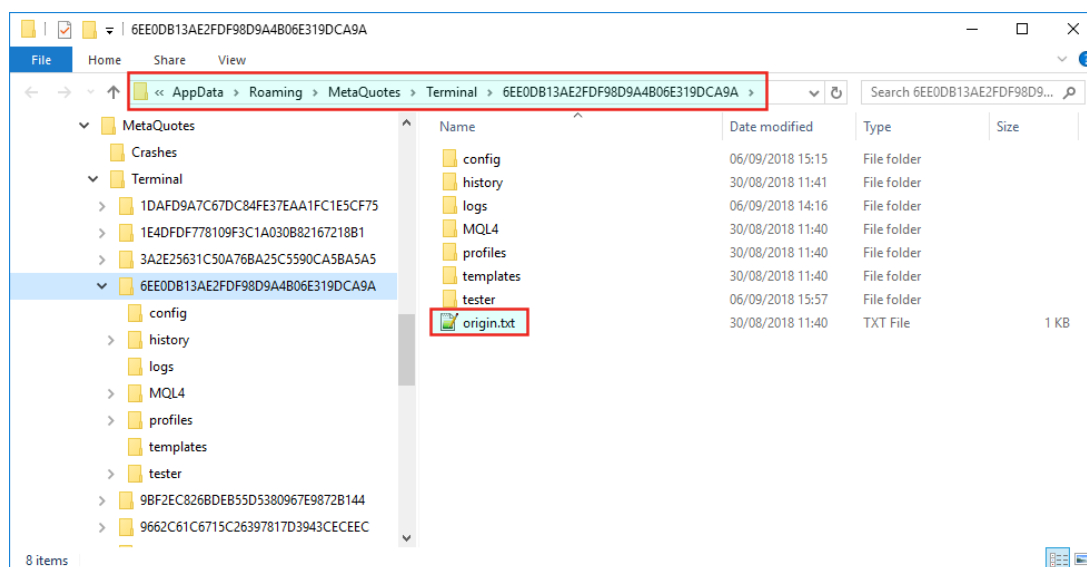
In this tutorial the name of *MetaTrader* is used as an example. Replace the *MetaTrader* with your broker specific MetaTrader name.

1. Start your MT4 terminal and select the **File > Open Data Folder** menu



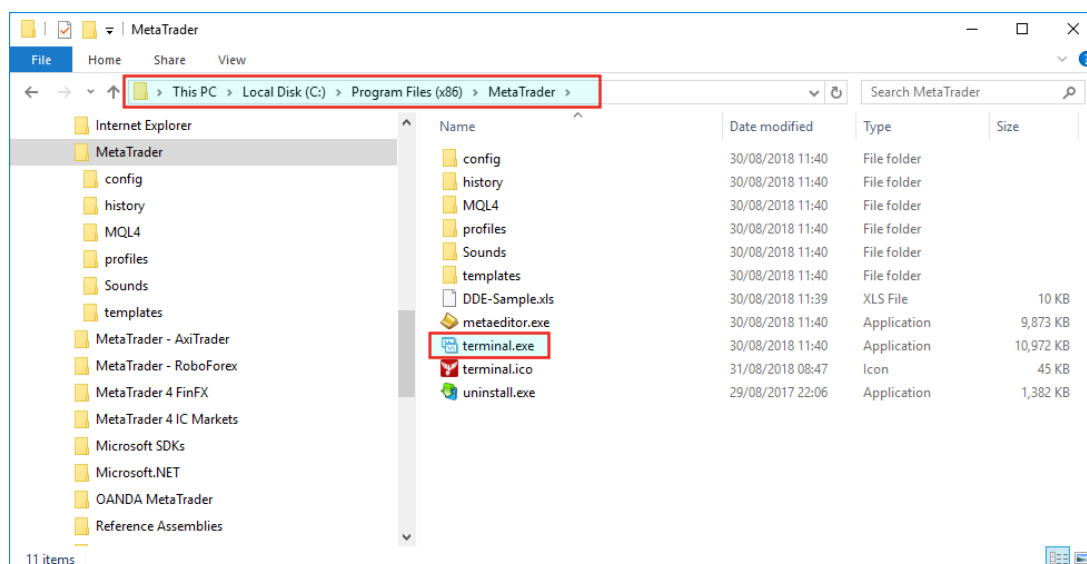
The menu opens a **File Explorer**.

2. Close your MT4
3. Check the *File Explorer*
  - If the **File Explorer** shows a folder like this one below



and you see the **origin.txt** or the **origin** file go to the [standard installation](#) page.

- If the **File Explorer** shows a folder like this one below



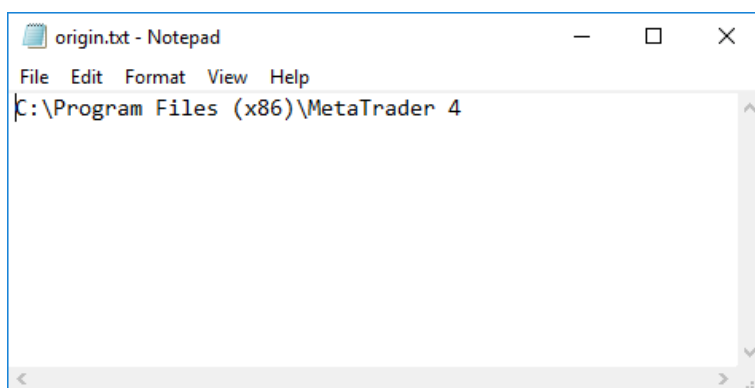
and you see the **terminal.exe** or **terminal** file go to the [non-standard installation](#) page.

### 5.27.1 Standard EA, Indicator installation

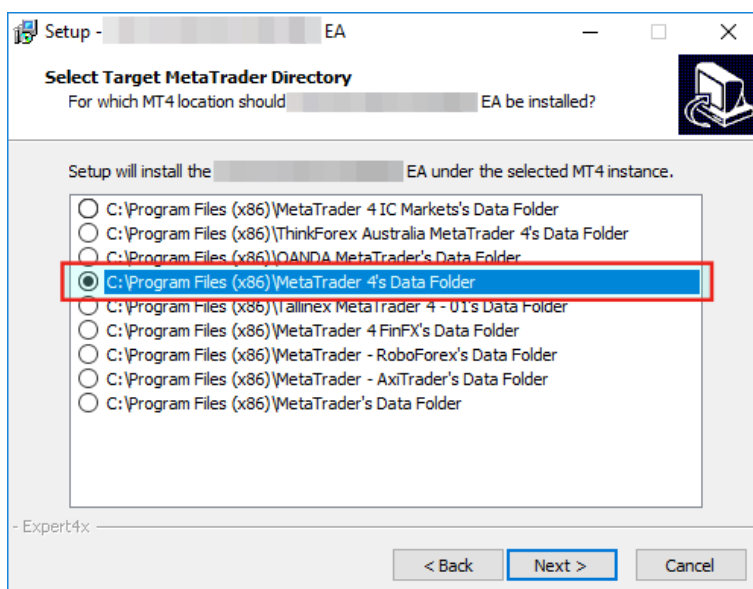
In the opened **File Explorer** the **origin.txt** or the **origin** file was found.

Please follow through the steps below to install the Expert4x EA or Indicator on your MT4

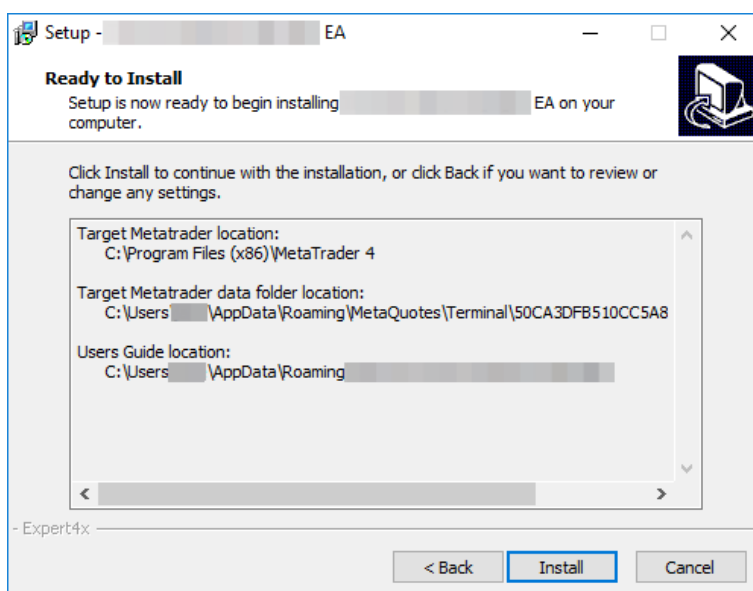
1. Double click the **origin.txt** file and take a note of the MetaTrader location.



2. Start the EA or indicator setup program. Follow through the setup until you reach the **Select Target MetaTrader Directory** window.



3. In this window **select** your targeted MetaTrader's Data Folder, as per the origin.txt noted earlier, and click **Next**
4. Follow through the rest of the setup application.
5. In the end click **Install**



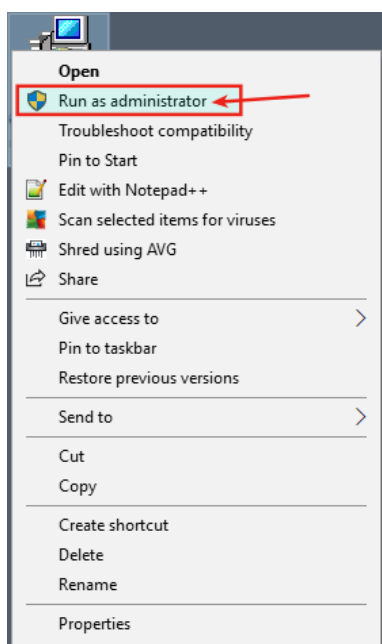
6. Check the EA or Indicator in the MetaTrader after installation
  - a) Start your MetaTrader
  - b) In the **Navigator panel** open the Expert Advisors section if you installed an EA or the Indicators section if you installed an Indicator and look for the EA or Indicator.

## 5.27.2 Non-standard EA, Indicator installation

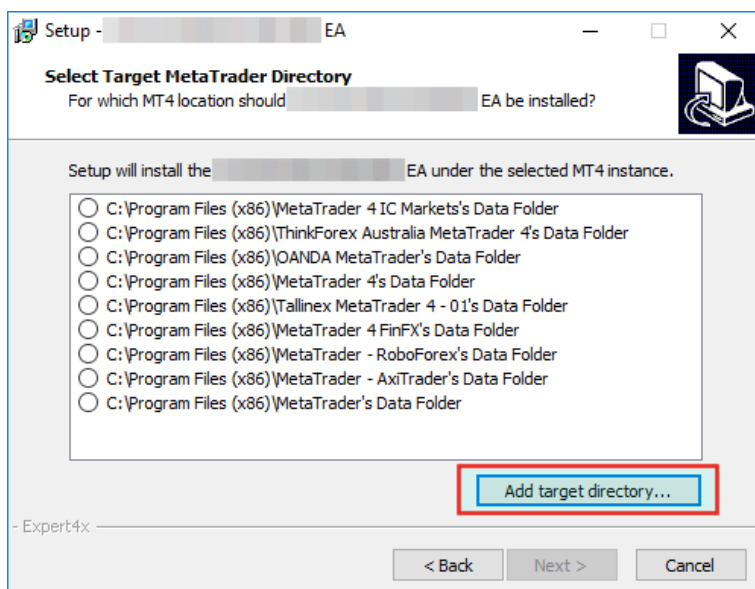
In the opened **File Explorer** the **terminal.exe** or **terminal** file was found.

Please follow through the steps below to install the an Expert4x EA or Indicator on your MT4

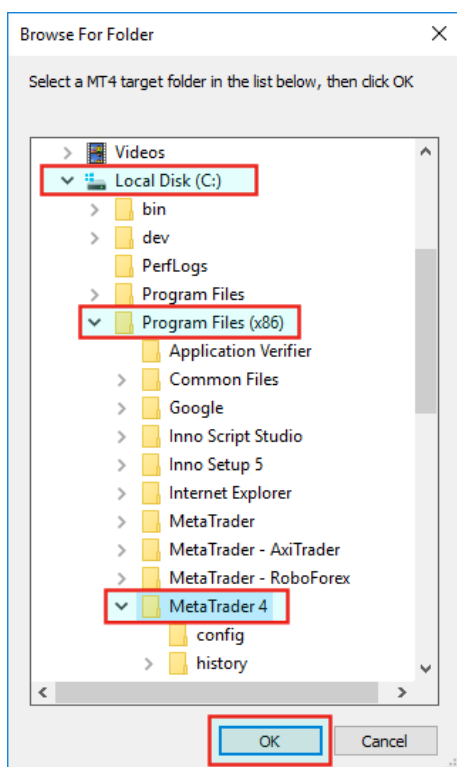
1. Right click on the name of the Setup application
2. Select **Run as administrator** (You may get a few security warning or you may need to type in the Windows administrator password)



3. Follow through the application until you reach the **Select Target MetaTrader Directory** window.
4. Click **Add target directory...** button

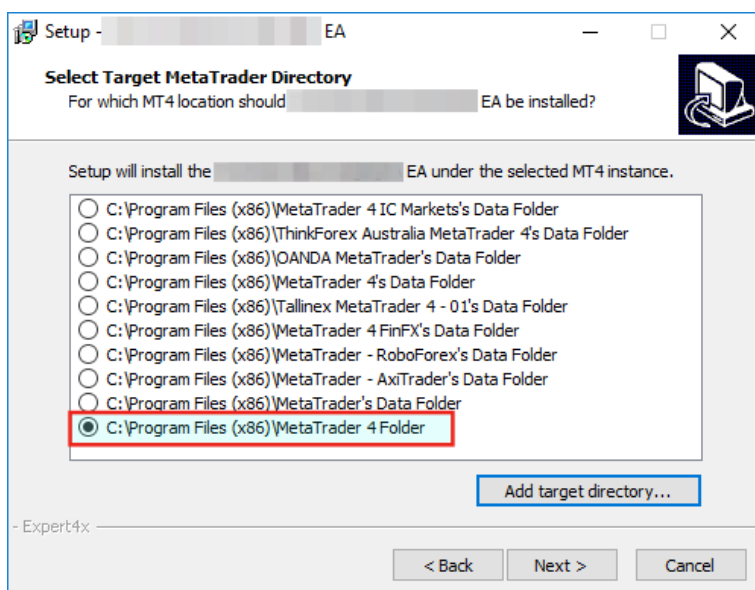


5. Navigate to your MetaTrader folder

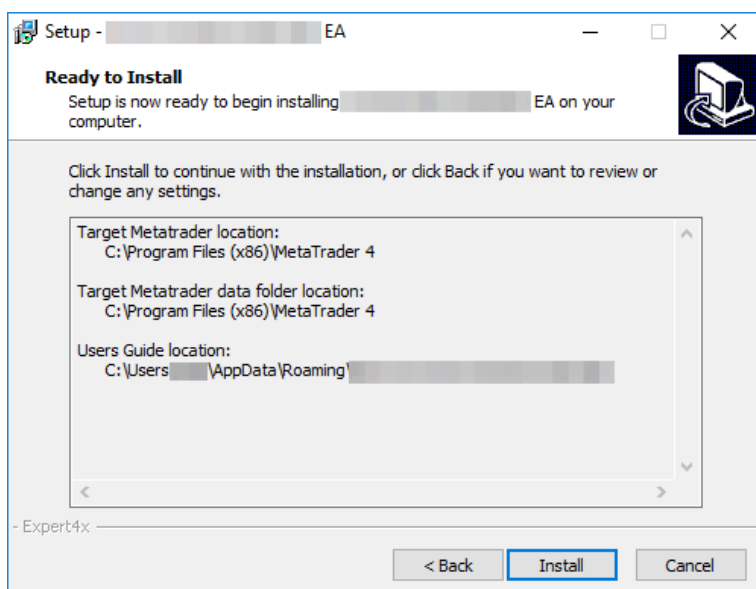


and click **OK**.

6. Scroll down to the end of the list. **Select** the target directory. Click **Next**.



7. Follow through the rest of the setup application.
8. In the end click **Install**



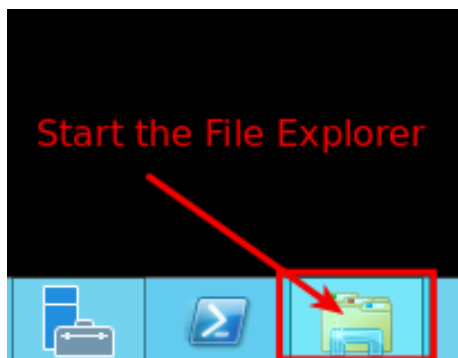
9. Check the EA or Indicator in the MetaTrader after installation
  - a) Start your MetaTrader
  - b) In the **Navigator panel** open the Expert Advisors section if you installed an EA or the Indicators section if you installed an Indicator and look for the EA or Indicator.

## 5.28 How to download an EA setup in VPS environment

In this topic we guide you through the EA setup application download in VPS environment.

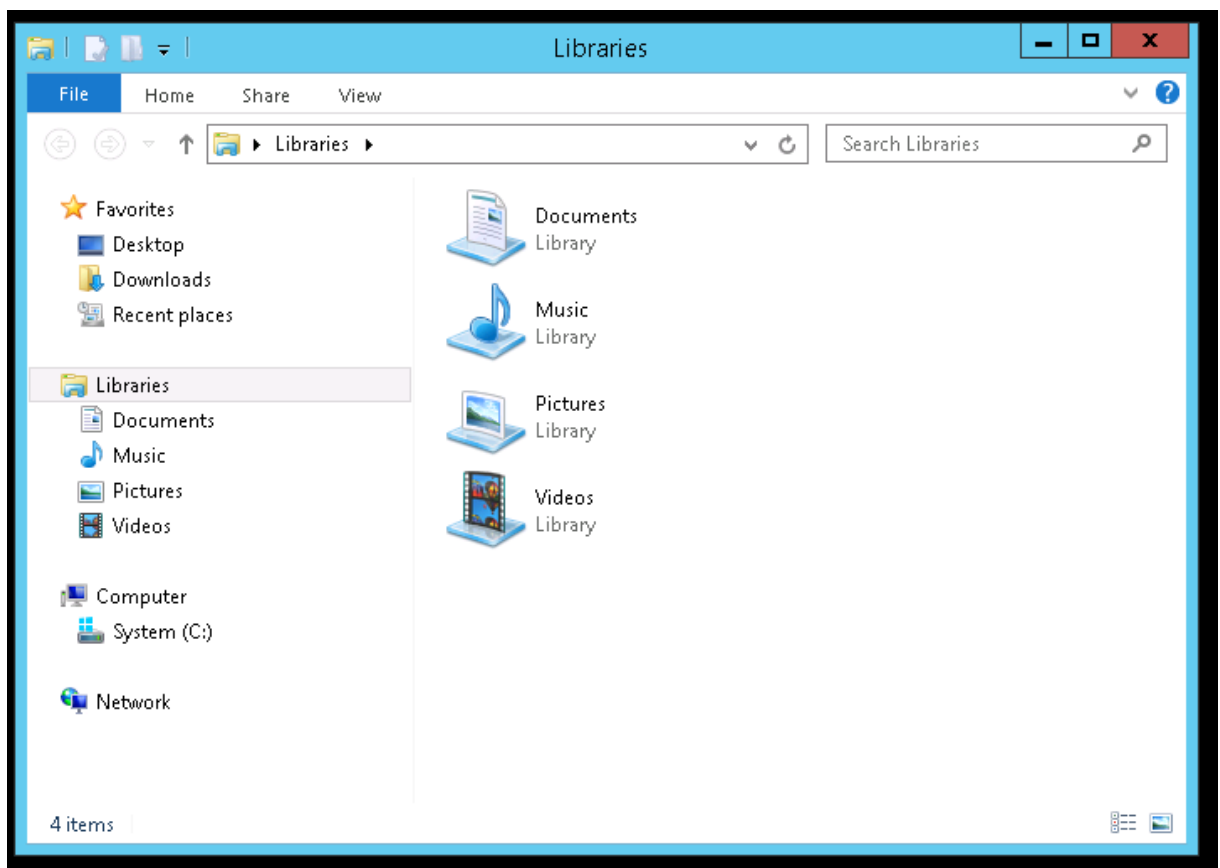
1. Start the **File Explorer**

Click the **File Explorer**

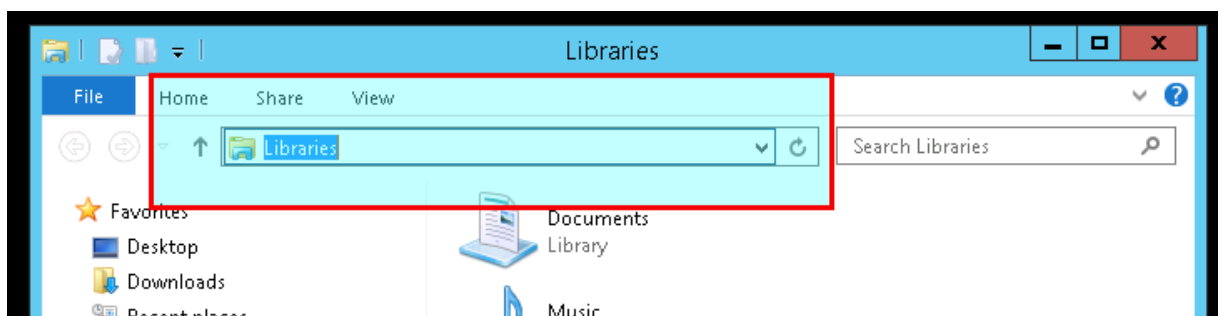


The **File Explorer** started.

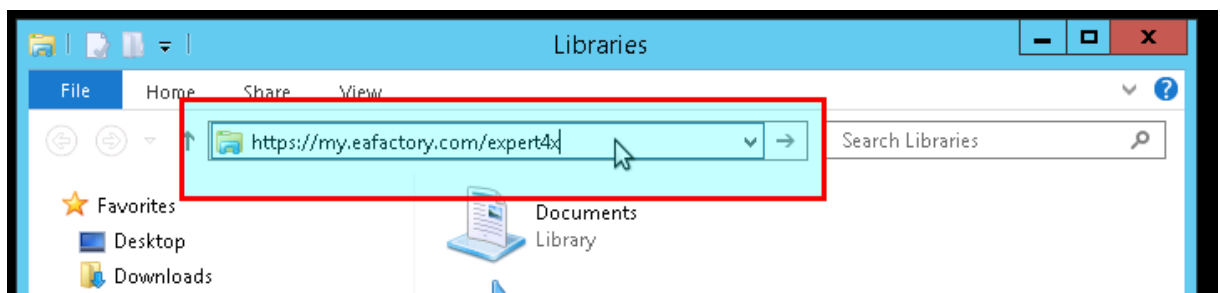




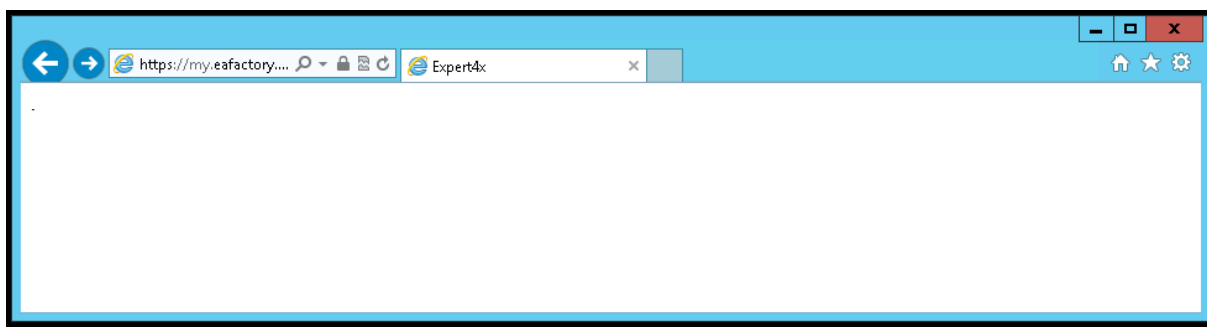
2. Select the address bar section



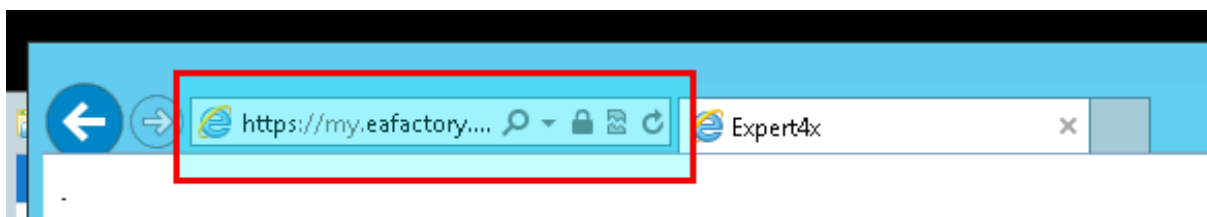
3. Type in: <https://my.eafactory.com/expert4x> and press Enter to start the Internet Explorer



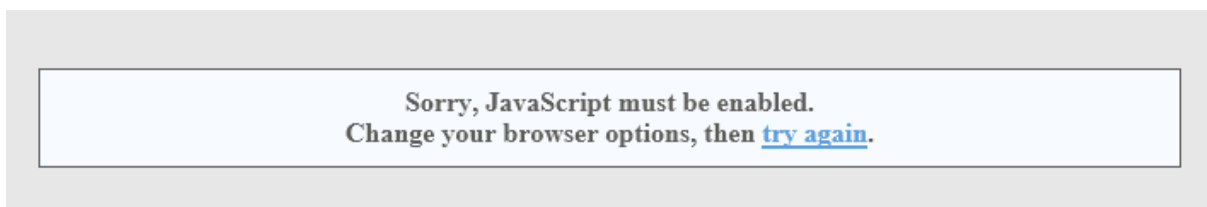
Did you get blank screen? As you see below:



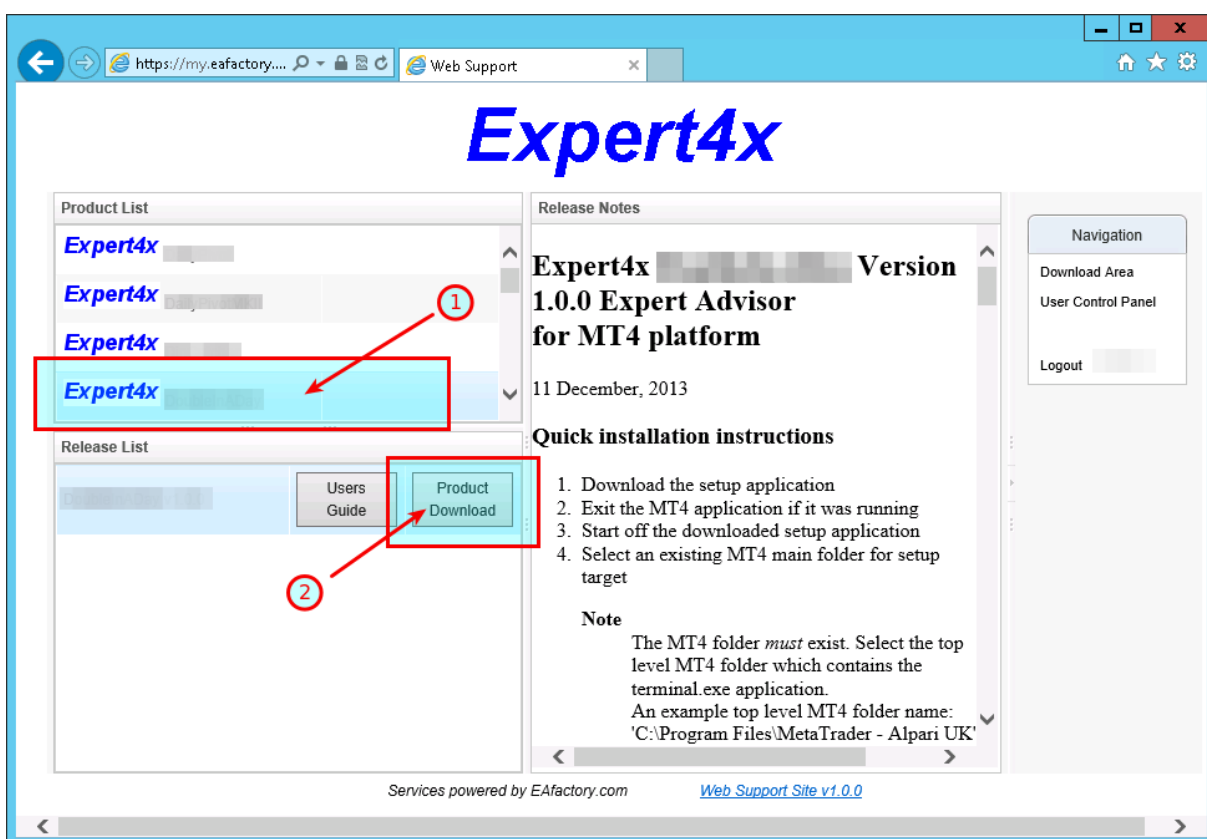
If yes, please select the address bar in the Internet Explorer and type in: <https://my.eafactory.com/UserInterface/index.zul?p=1>



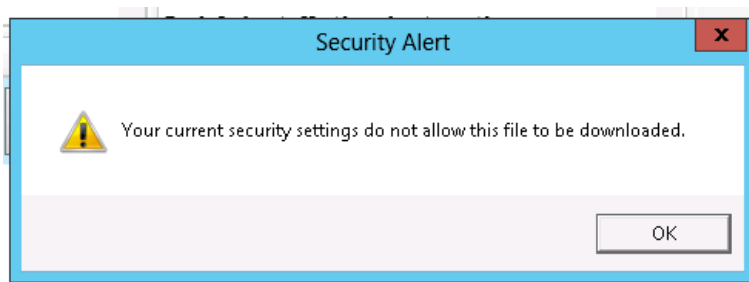
If you got this message below you may need to adjust temporary your [Internet security settings](#).



4. When the Web support Site is appeared please log in
5. Select the EA name from the **Product List** and click **Product Download** in the **Release List**

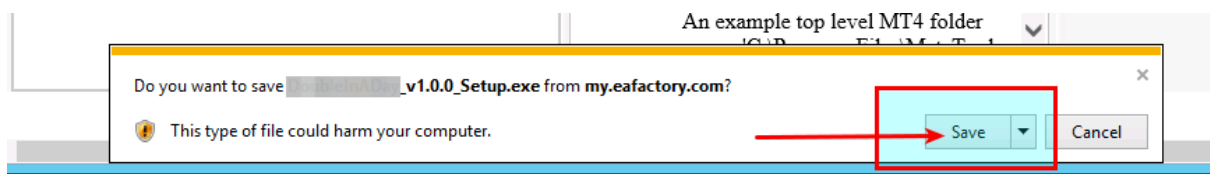


If you got this message below you may need to adjust temporary your Internet security settings to [enable downloads](#).



### Warning messages related to the download

- Do you want to save theTradeableADX EA\_v1.0.0\_Setup.exe ...?



Click **Save** to resolve this warning

- If you use Internet Explorer 9.0 you may get this message:

**theTradeableADX EA\_v1.0.0\_Setup.exe is not commonly downloaded and could harm your computer**

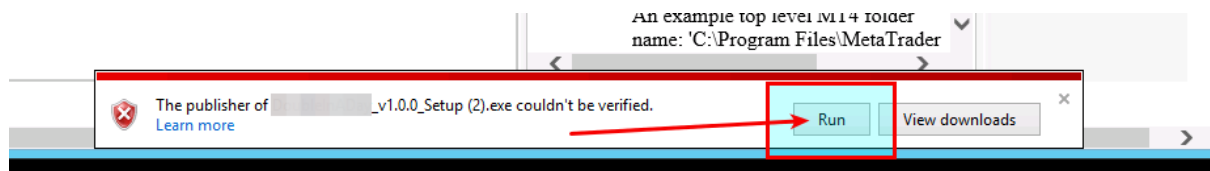
This message is a new features in Internet Explorer 9.0. IE 9.0 has increased user security.

*"When you download a program from the Internet, SmartScreen Filter will check the program against a list of programs that are downloaded by a significant number of other Internet Explorer users and a list of programs that are known to be unsafe. If the program you're downloading isn't on either list, SmartScreen Filter will display a warning that the file isn't "commonly downloaded." It doesn't necessarily mean the website is fraudulent or that the program is malware, but you probably shouldn't download or install the program unless you trust the website and the publisher."*

Source: <http://windows.microsoft.com/en-US/windows7/SmartScreen-Filter-frequently-asked-questions-IE9?SignedIn=1>

These are the steps if you'd like to continue installing the theTradeableADX EA EA:

1. Click the **Action** button in the displayed message
  2. In the dialog box click the **down arrow** to the left of More options, and click **Run anyway**
6. After the successful download the Internet Explorer may show this message



To start the installation process after the download click **Run**

7. [Clean up after the download](#) in the Internet Explorer

## 5.28.1 How to enable JavaScript in your Internet Explorer

### Issue

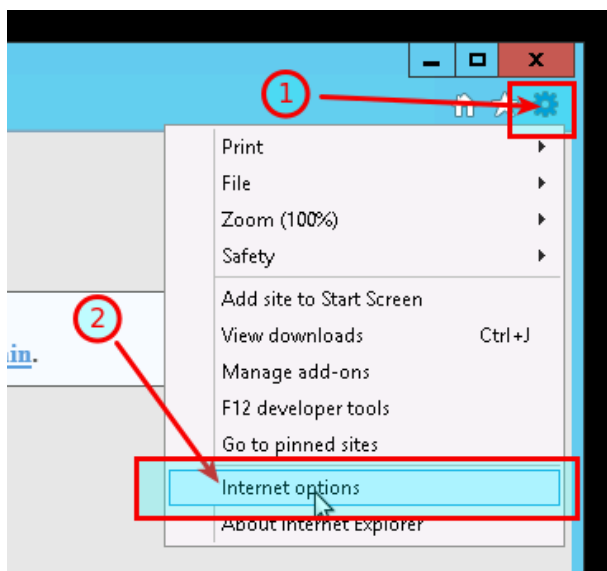
I tried to load the [Web Support Centre](#) in the **Internet Explorer** But the following error message popped up.

Sorry, JavaScript must be enabled.  
Change your browser options, then [try again](#).

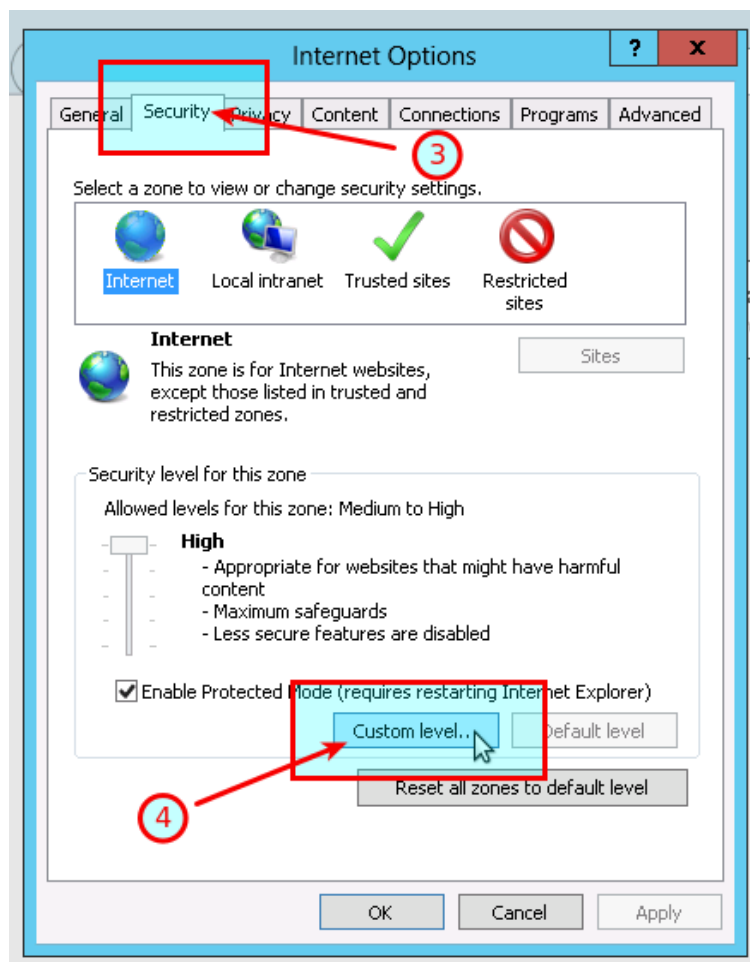
## JavaScripts are disabled in the Internet Explorer

To load the [Web Support Centre](#) you may need to enable the usage of JavaScript in the **Internet Explorer**

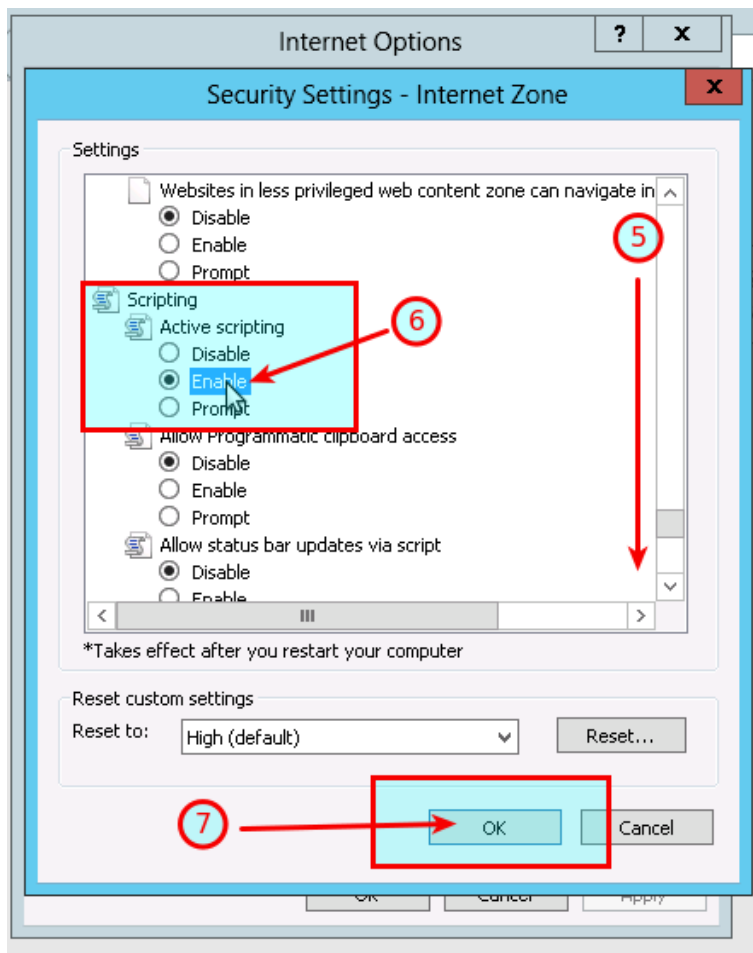
1. In the Inter Explorer click **Tools** icon
2. Select **Internet options**



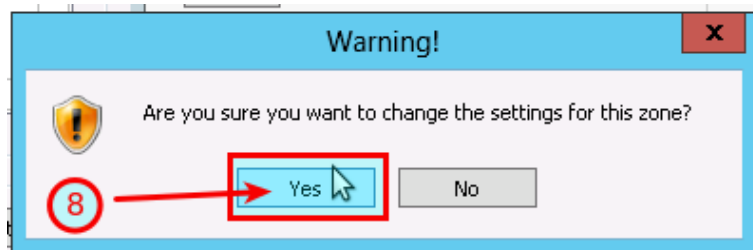
3. Go to the **Security** tab
4. Select **Custom level**



5. Scroll down until you see **Scripting**
6. Under the **Active scripting** select **Enable**
7. Click **OK**



8. Click **OK**

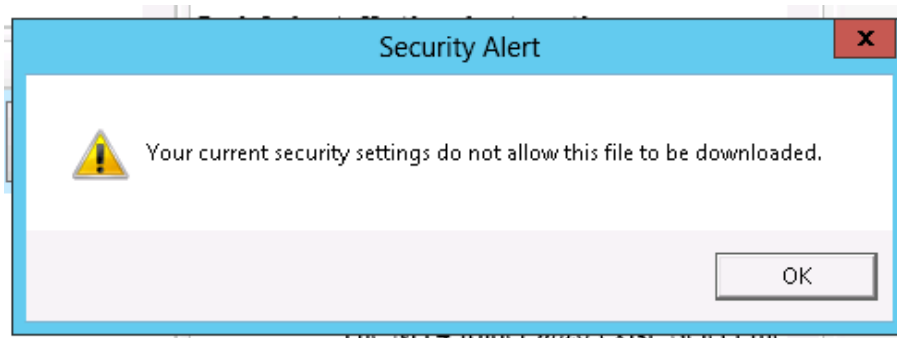


9. Refresh the <https://my.eafactory.com/UserInterface/index.zul?p=1> page and login

## 5.28.2 How to Enable Download in your Internet Explorer

### Issue

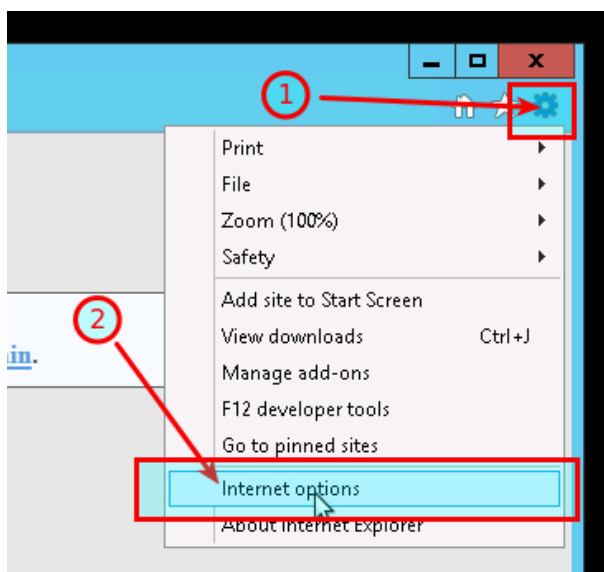
I tried to download the EA setup application in the **Internet Explorer** But the following error message popped up.



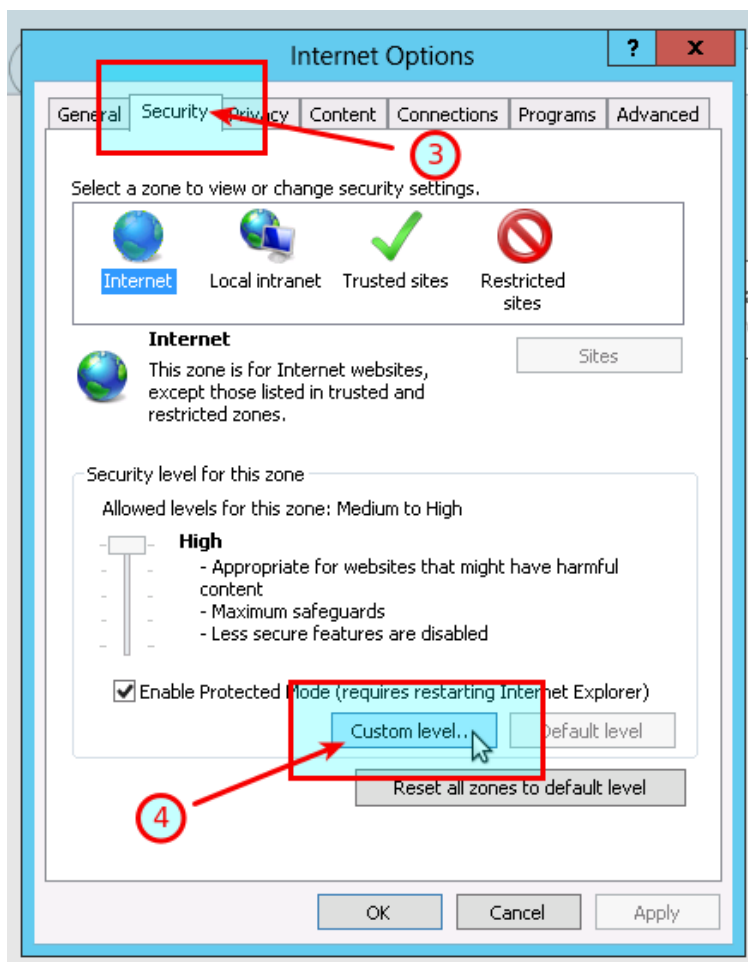
## File download is disabled in the Internet Explorer

To download a file you may need to enable the Download in the **Internet Explorer**

1. In the Inter Explorer click **Tools** icon
2. Select **Internet options**

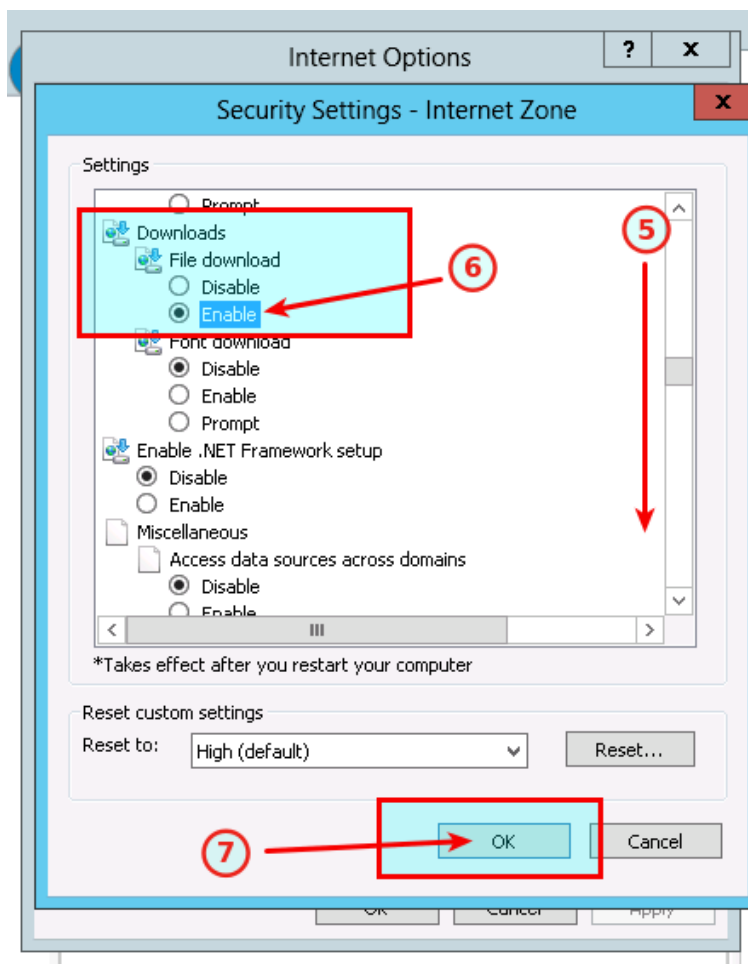


3. Go to the **Security** tab
4. Select **Custom level**

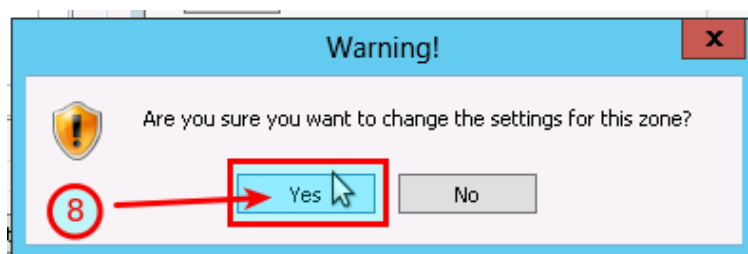


5. Scroll down until you see **Downloads**
6. Under the **File download** select **Enable**
7. Click **OK**





8. Click **OK**

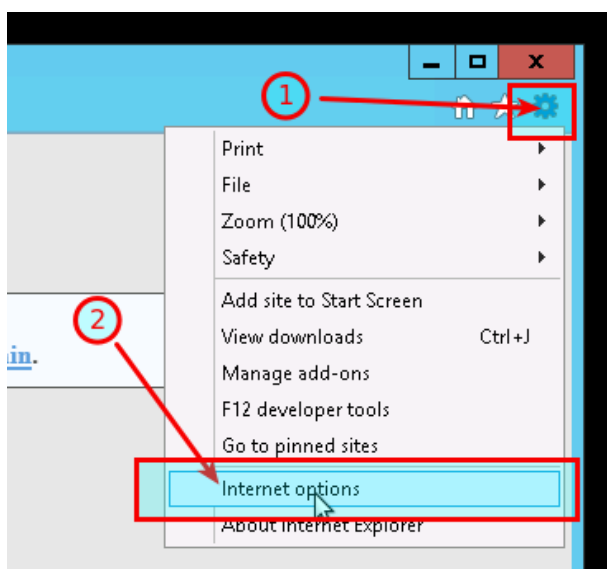


9. click the **Product Download** button again

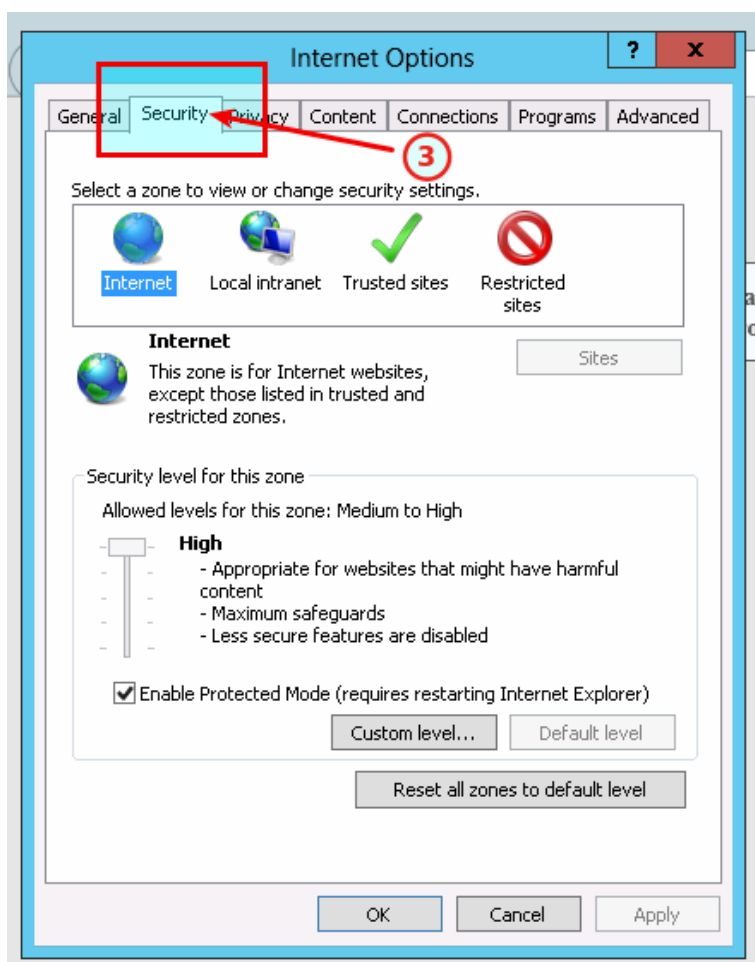
### 5.28.3 Clean up after the download in the Internet Explorer

In this topic we guide you through how to clean up after download in VPS environment.

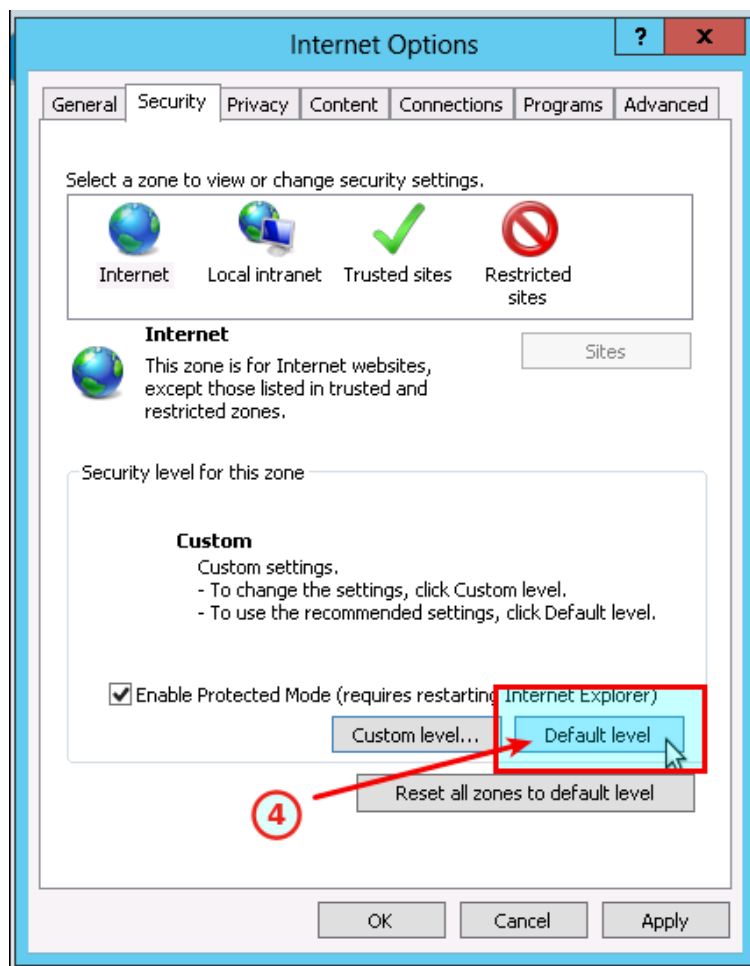
1. In the Inter Explorer click **Tools** icon
2. Select **Internet options**



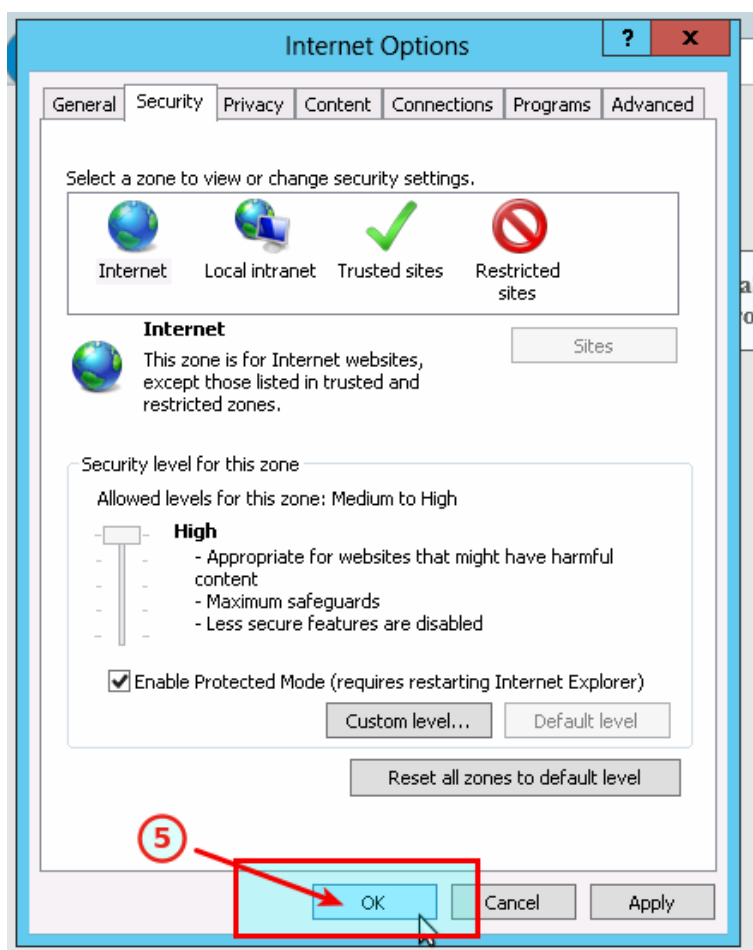
### 3. Go to the **Security** tab



### 4. Click the **Default level**



5. Click **OK**



## 5.29 How to enable JavaScript in your Internet Explorer

### Issue

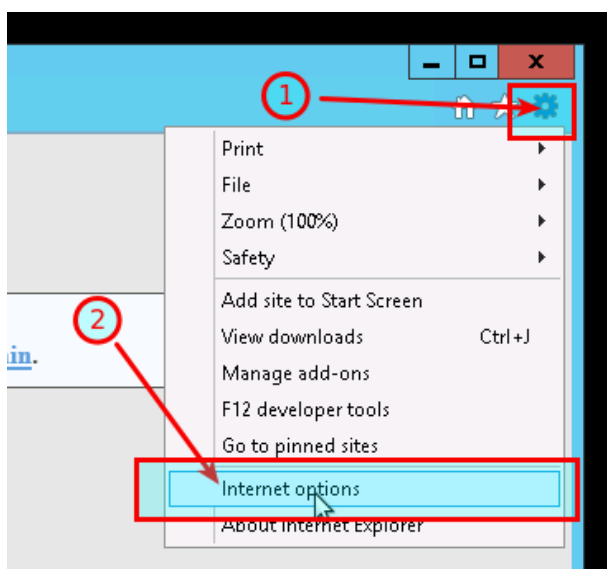
I tried to load the [Web Support Centre](#) in the **Internet Explorer** But the following error message popped up.



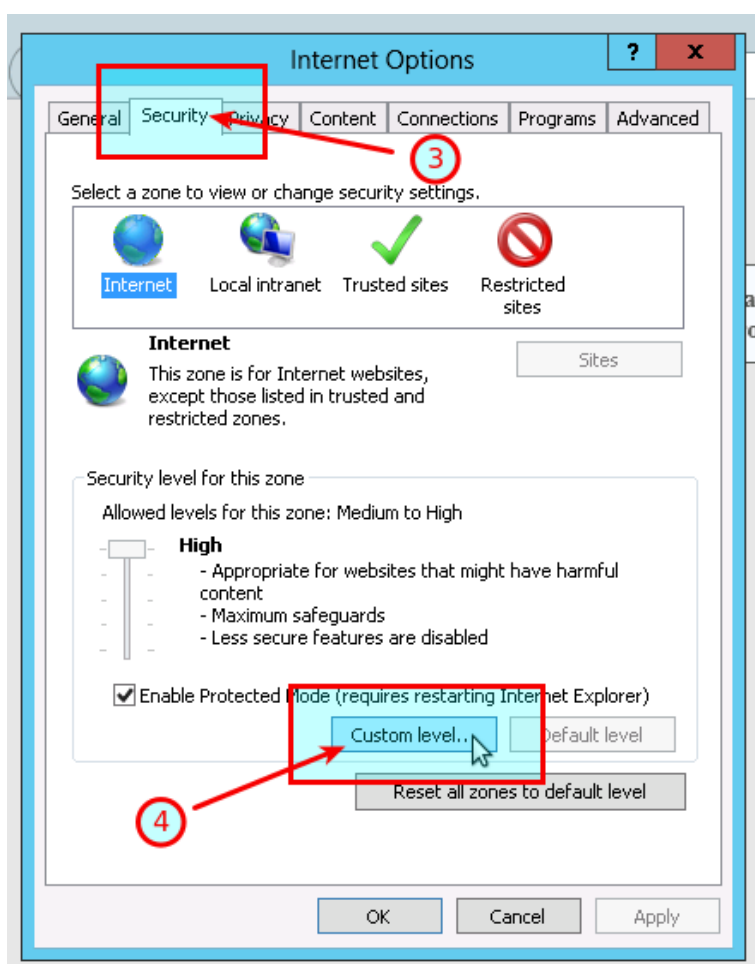
### JavaScripts are disabled in the Internet Explorer

To load the [Web Support Centre](#) you may need to enable the usage of JavaScript in the **Internet Explorer**

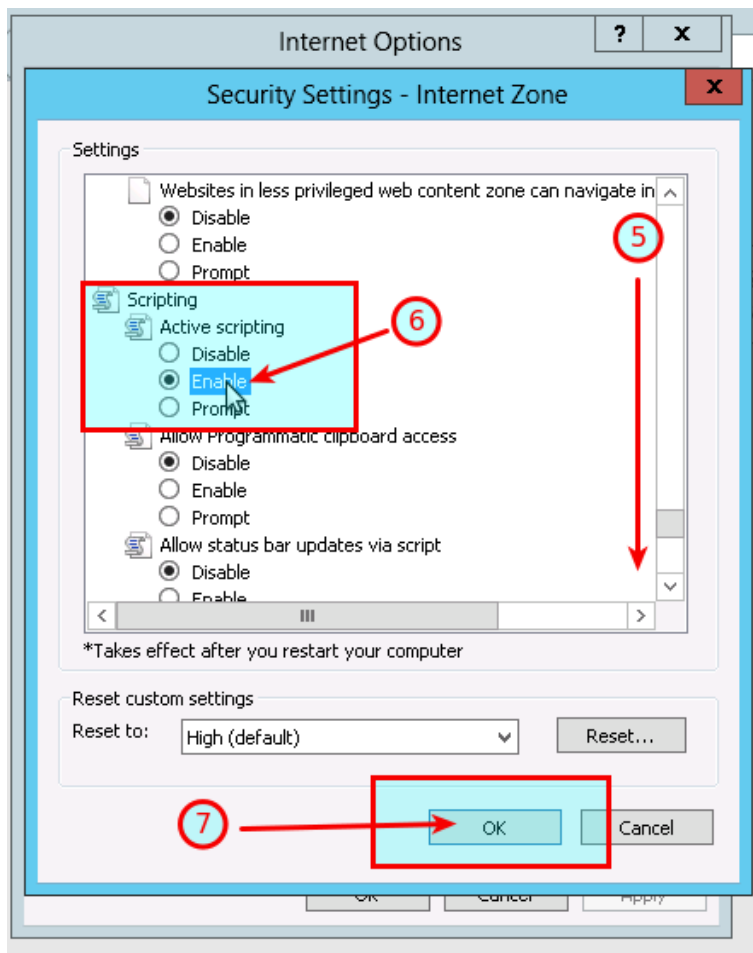
1. In the Inter Explorer click **Tools** icon
2. Select **Internet options**



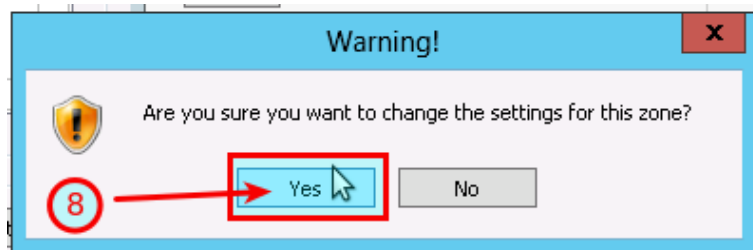
3. Go to the **Security** tab
4. Select **Custom level**



5. Scroll down until you see **Scripting**
6. Under the **Active scripting** select **Enable**
7. Click **OK**



8. Click OK

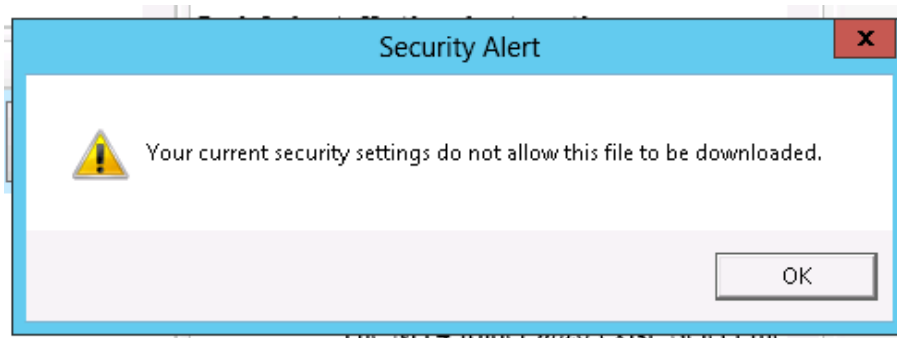


9. Refresh the <https://my.eafactory.com/UserInterface/index.zul?p=1> page and login

## 5.30 How to Enable Download in your Internet Explorer

### Issue

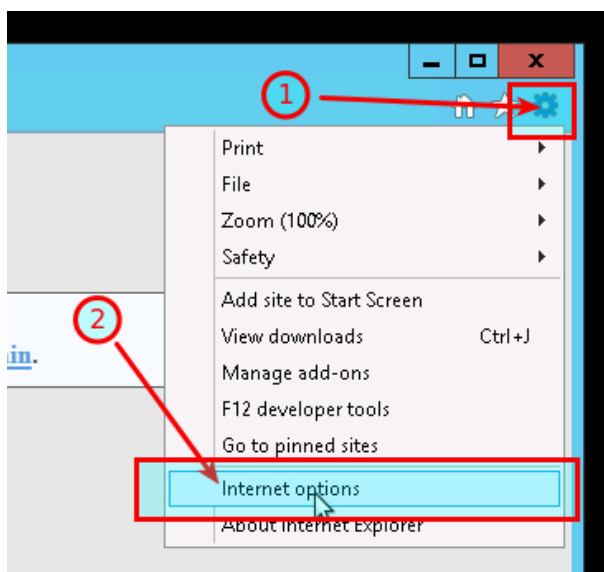
I tried to download the EA setup application in the **Internet Explorer** But the following error message popped up.



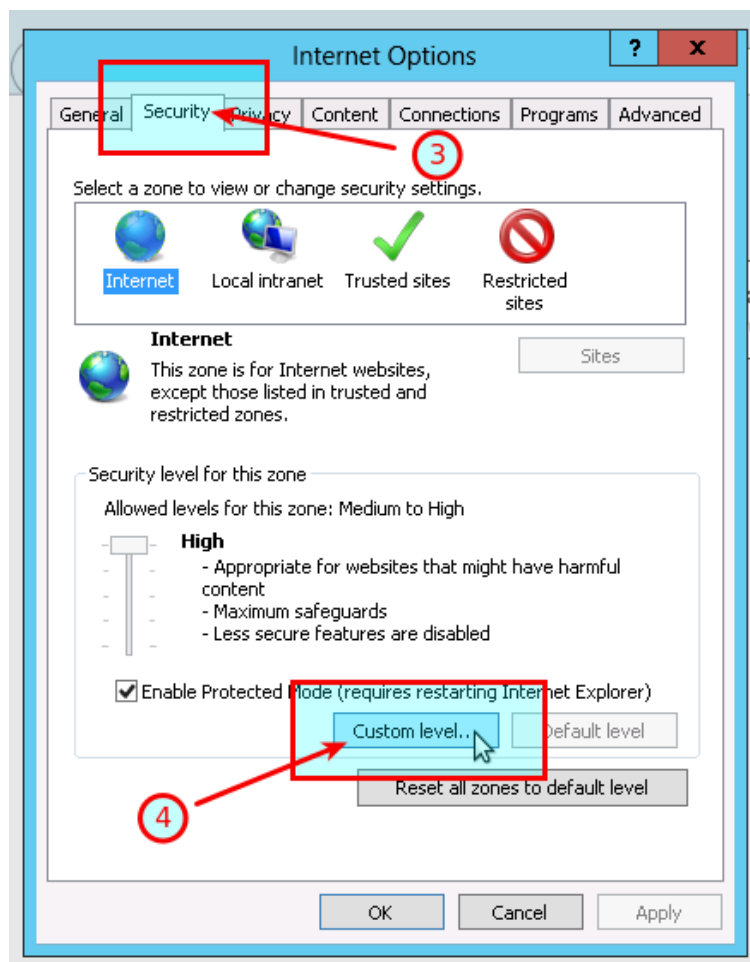
## File download is disabled in the Internet Explorer

To download a file you may need to enable the Download in the **Internet Explorer**

1. In the Inter Explorer click **Tools** icon
2. Select **Internet options**

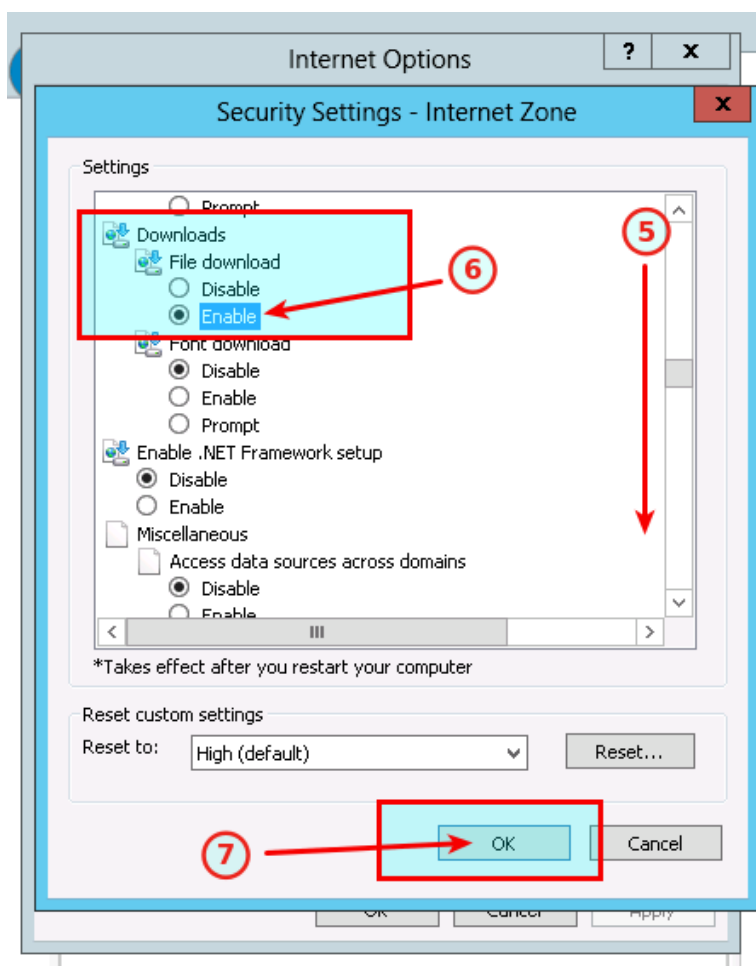


3. Go to the **Security** tab
4. Select **Custom level**

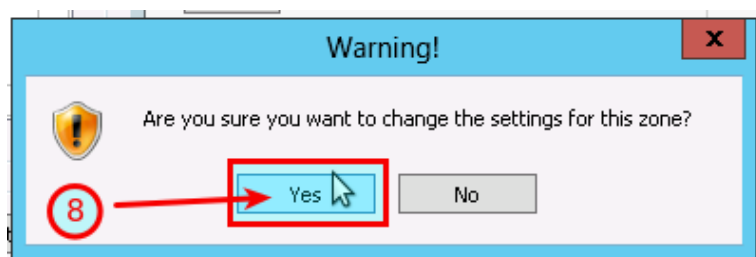


5. Scroll down until you see **Downloads**
6. Under the **File download** select **Enable**
7. Click **OK**





8. Click OK



9. click the **Product Download** button again

# Chapter

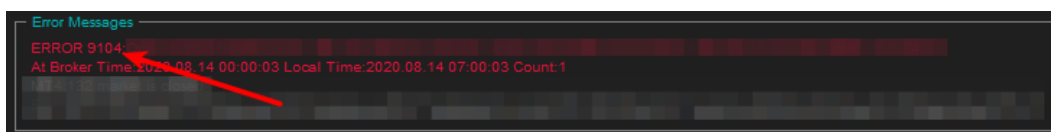
# 6

## Operational Messages

The theTradeableADX EA operational messages and resolution guide.

### Expert Advisors Operational Messages

Observe the message number displayed in **red** in the EA dashboard. Find that EA code in the table below and click on that number to see the details and possible resolutions:

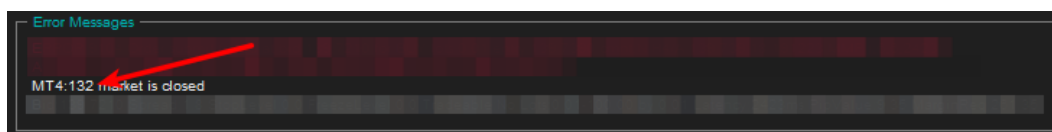


EA Code	Severity	Message	Description
<a href="#">1001</a>	Error	Setup problem: DLL imports not allowed. Tick Allow DLL imports in Common tab of the properties window.	Configuration setting is missing to allow the EA to use dynamically loaded libraries (DLLs). Enable the load of DLLs and restart the EA. <a href="#">More...</a>
<a href="#">1002</a>	Error	Incomplete EA installation: Run setup application for MT4 instance "<MT4DataPath>'s Data Folder"	Product installation is not complete or damaged. Run the setup application for the MT4 terminal instance as displayed. <a href="#">More...</a>
<a href="#">1006</a>	Error	MT4 Expert Advisors are disabled: click AutoTrading icon on MT4 toolbar to execute the EA.	EA does not perform its operations, not monitoring nor reacting to price movements of the market. <a href="#">More...</a>
<a href="#">1007</a>	Error	Live trading is not allowed (no smiley face): press F7 and tick Allow live trading box on Common tab.	The EA is unable to perform trading operations, there is a sad icon in the top right corner of the chart. <a href="#">More...</a>
<a href="#">1008</a>	Error	Authentication failed or interrupted (<Stopped>, <Status>, <Response>, <Reason>, <FlipOverCount>, <Latency>)	The EA is not able to authenticate the user access to the service at its start up time. <a href="#">More...</a>
<a href="#">1017</a>	Error	Initial risk <InitialRiskPercent>% is too low. Set EA parameter 'Initial Risk Percent' to higher than zero.	Position sizing feature is enabled but no Initial Risk Percent or Initial SL is configured. <a href="#">More...</a>
<a href="#">1018</a>	Error	Initial SL <InitialStopLoss> is too low. Set EA parameter 'Initial SL for New Position' to higher than zero.	Position sizing feature is enabled but no Initial Risk Percent or Initial SL is configured. <a href="#">More...</a>
<a href="#">2101</a>	Error	Initialization failed	Initialization failed <a href="#">More...</a>
<a href="#">2118</a>	Error	Service access disabled (<AccessID>, <ConfirmationID>) - shutting down...	The user quits the authentication process, or the EA is not able to authenticate the user access to the service. <a href="#">More...</a>

EA Code	Severity	Message	Description
9104	Error	Order submit failed at bid ...	Broker server rejects orders submitted by the EA. <a href="#">More...</a>
15002	Error	Dynamic Target requires a <a href="#">Take Profit</a> . Set EA parameter <a href="#">Take Profit</a> to higher than zero.	Dynamic target feature enabled but no <a href="#">Take Profit</a> is configured. <a href="#">More...</a>
15004	Error	Dynamic Stop requires a <a href="#">Take Profit</a> . Set EA parameter <a href="#">Take Profit</a> to higher than zero.	Dynamic stop feature enabled but no <a href="#">Take Profit</a> is configured. <a href="#">More...</a>

## MetaTrader Operational Messages

Observe the message number displayed in **white** in the EA dashboard. Find that MT4 code in the table below and click on that number to see the details and possible resolutions:



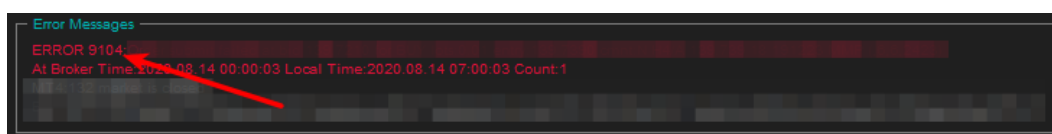
MT4 Code	Severity	Message	Description
2	Error	Common error.	Connection, broker account or market related error. <a href="#">More...</a>
129	Error	Invalid price.	The market price moved in the meanwhile making the price in the order not feasible. <a href="#">More...</a>
132	Error	Market is closed.	Market is closed, trading is not available. <a href="#">More...</a>
133	Error	Trade is disabled.	Broker disabled trading on this account. <a href="#">More...</a>
136	Error	Off quotes.	No current prices available or a broker configured limit breached. <a href="#">More...</a>
148	Error	Amount of open and pending orders has reached the limit.	The broker account does not allow for more open or pending orders on the account. <a href="#">More...</a>
4024	Error	Internal error.	MT4 terminal internal issue. <a href="#">More...</a>

## 6.1 Operational Messages

Expert Advisor Operational Messages.

### Expert Advisors Operational Messages

Observe the message number displayed in **red** in the EA dashboard. Find that EA code in the table below and click on that number to see the details and possible resolutions:



EA Code	Severity	Message	Description
1001	Error	Setup problem: DLL imports not allowed. Tick Allow DLL imports in Common tab of the properties window.	Configuration setting is missing to allow the EA to use dynamically loaded libraries (DLLs). Enable the load of DLLs and restart the EA. <a href="#">More...</a>
1002	Error	Incomplete EA installation: Run setup application for MT4 instance "<MT4DataPath>'s Data Folder"	Product installation is not complete or damaged. Run the setup application for the MT4 terminal instance as displayed. <a href="#">More...</a>
1006	Error	MT4 Expert Advisors are disabled: click AutoTrading icon on MT4 toolbar to execute the EA.	EA does not perform its operations, not monitoring nor reacting to price movements of the market. <a href="#">More...</a>
1007	Error	Live trading is not allowed (no smiley face): press F7 and tick Allow live trading box on Common tab.	The EA is unable to perform trading operations, there is a sad icon in the top right corner of the chart. <a href="#">More...</a>
1008	Error	Authentication failed or interrupted (<Stopped>, <Status>, <Response>, <Reason>, <FlipOverCount>, <Latency>)	The EA is not able to authenticate the user access to the service at its start up time. <a href="#">More...</a>
1017	Error	Initial risk <InitialRiskPercent>% is too low. Set EA parameter 'Initial Risk Percent' to higher than zero.	Position sizing feature is enabled but no Initial Risk Percent or Initial SL is configured. <a href="#">More...</a>
1018	Error	Initial SL <InitialStopLoss> is too low. Set EA parameter 'Initial SL for New Position' to higher than zero.	Position sizing feature is enabled but no Initial Risk Percent or Initial SL is configured. <a href="#">More...</a>
2101	Error	Initialization failed	Initialization failed <a href="#">More...</a>
2118	Error	Service access disabled (<AccessID>, <ConfirmationID>) - shutting down...	The user quits the authentication process, or the EA is not able to authenticate the user access to the service. <a href="#">More...</a>
9104	Error	Order submit failed at bid ...	Broker server rejects orders submitted by the EA. <a href="#">More...</a>
15002	Error	Dynamic Target requires a <a href="#">Take Profit</a> . Set EA parameter <a href="#">Take Profit</a> to higher than zero.	Dynamic target feature enabled but no <a href="#">Take Profit</a> is configured. <a href="#">More...</a>
15004	Error	Dynamic Stop requires a <a href="#">Take Profit</a> . Set EA parameter <a href="#">Take Profit</a> to higher than zero.	Dynamic stop feature enabled but no <a href="#">Take Profit</a> is configured. <a href="#">More...</a>

### 6.1.1 Message 1001

Code	Severity	Message	Description
1001	Error	Setup problem: DLL imports not allowed. Tick Allow DLL imports in Common tab of the properties window.	Configuration setting is missing to allow the EA to use dynamically loaded libraries (DLLs). Enable the load of DLLs and restart the EA. <a href="#">More...</a>

## Setup problem: DLL imports not allowed

### Issue

The EA is not able to start up when gets attached to a chart because some of its dependencies could not be loaded into memory. The EA requires some dynamically loaded libraries (DLL) to be loaded into memory from disks. When the EA configuration settings do not allow the load of DLLs then the EA cannot start up and reports this error message.

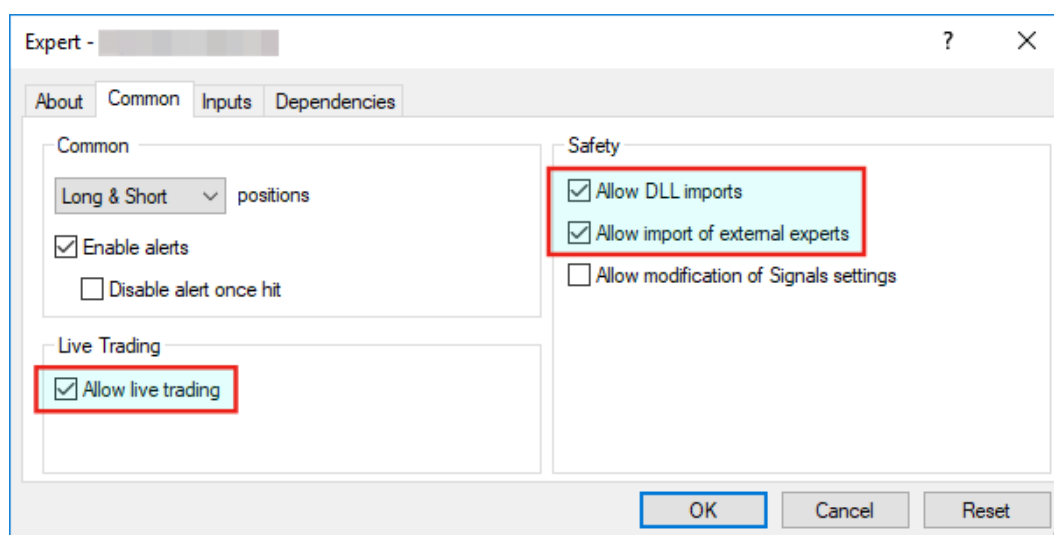
### Possible root cause

- The EA configuration does not allow for the load of DLLs.

### Resolution

Enable the load of DLLs in the EA configuration dialog.

1. Attach the EA to a chart, or if already attached then select the chart and
  - In case of an EA: press F7
  - In case of an indicator: press Ctrl+I and double-click the name of the indicator in the list.
2. Go to the **Common** tab of the **Property** window.
3. Tick the checkbox **Allow DLL imports**.
4. Click **OK**.



## 6.1.2 Message 1002

Code	Severity	Message	Description
1002	Error	Incomplete EA installation: Run setup application for MT4 instance "<MT4DataPath>'s Data Folder"	Product installation is not complete or damaged. Run the setup application for the MT4 terminal instance as displayed. <a href="#">More...</a>

## Incomplete Installation

### Issue

The EA is not able to start up when gets attached to a chart because some of its dependencies could not be found on the file system.

### Possible root cause

- The EA setup application was not able to perform all its steps, not completed in full.
- The product was installed manually and some of the steps were missed.
- The MT4 instance's file system got damaged, some files got corrupted or deleted.

## Resolution

Download the EA setup application and execute it to get the product installed for the MT4 instance:

1. Download the setup application from [Web Support Centre](#).
2. Execute the setup application to get the product installed. For installation guide refer to any of the following:
  - [Getting Started with the theTradeableADX EA](#)
  - [Step-by-step Installation of Expert4x EAs and Indicators](#)

## 6.1.3 Message 1006

Code	Severity	Message	Description
1006	Error	MT4 Expert Advisors are disabled: click AutoTrading icon on MT4 toolbar to execute the EA.	EA does not perform its operations, not monitoring nor reacting to price movements of the market. <a href="#">More...</a>

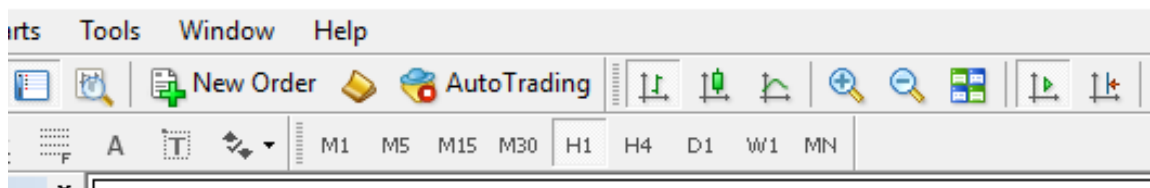
### EA AutoTrading Disabled

#### Issue

The EA is not responding to price movements, not performing its logic upon data ticks coming in from the broker. The MT4 toolbar button **AutoTrading** is disabled.

#### Possible root cause

- The **AutoTrading** button on the MT4 toolbar is disabled.



#### Resolution

Press the **AutoTrading** button on the MT4 toolbar.



## 6.1.4 Message 1007

Code	Severity	Message	Description
1007	Error	Live trading is not allowed (no smiley face): press F7 and tick Allow live trading box on Common tab.	The EA is unable to perform trading operations, there is a sad icon in the top right corner of the chart. <a href="#">More...</a>

### Live Trading Not Allowed

#### Issue

The EA is unable to perform trading operations, there is a sad icon in the top right corner of the chart.

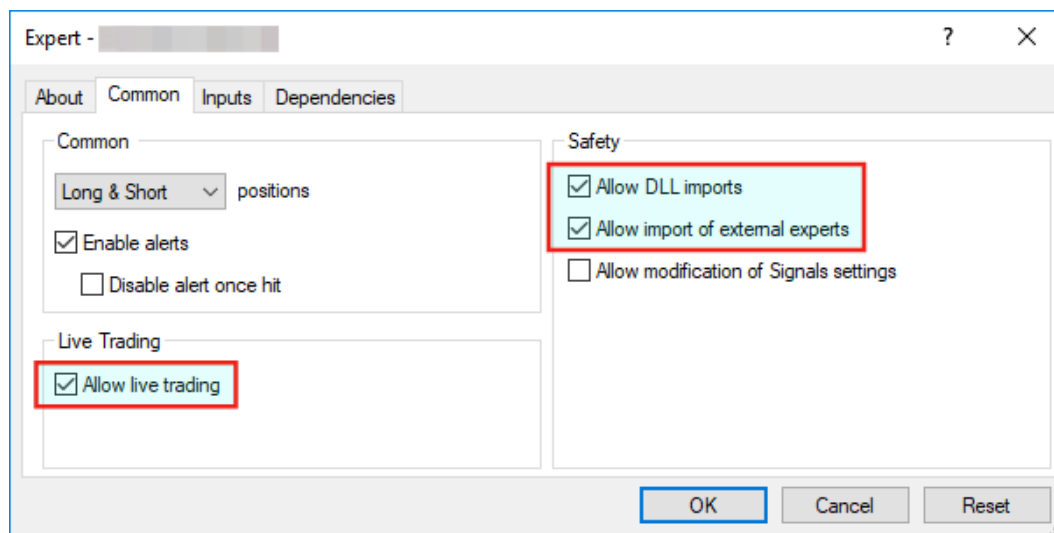
### Possible root cause

- The **Allow live trading** checkbox is not ticked at the EA properties window.

### Resolution

Enable live trading in the EA properties window.

- Go to the chart and press F7.
- Go to the **Common** tab of the Expert properties window.
- Tick the checkbox **Allow live trading**.
- Click **OK**



## 6.1.5 Message 1008

Code	Severity	Message	ToDo
1008	Error	Authentication failed or interrupted (<Stopped>, <Status>, <Response>, <Reason>, <FlipOverCount>, <Latency>)	The EA is not able to authenticate the user access to the service at its start up time. <a href="#">More...</a>

### Failed Authentication

#### Issue

The EA is not able to authenticate the user access to the service at attach or restart time and does not start up.

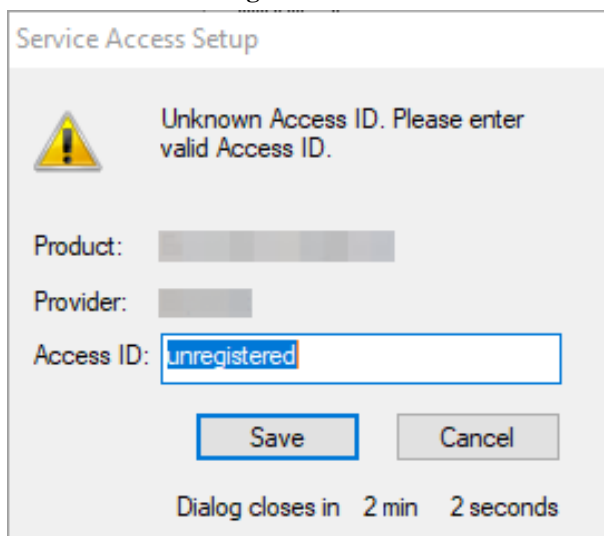
#### Possible root cause

- The EA could not connect to the authentication server.
- The user quit the authentication process.
- There is a typo in the **Access ID** entered by the user.
- The theTradeableADX EA is not yet purchased by the user.
- The theTradeableADX EA was purchased, but not yet activated by the user.
- The theTradeableADX EA was purchased or a trial started, but the licensed period (e.g. calendar days) has lapsed.
- The theTradeableADX EA was purchased, but the licensed usage limit (e.g. number of parallel accesses) is breached by the user.

#### Resolution

Double check the following items to find resolution to the issue.

1. Ensure that the computer has working Internet connection. For example, go to the [Web Support Centre](#) and see if the page loads with no issues. When the Internet connection is working, restart the EA by pressing F7 and clicking the **OK** button of the **Expert** property window.
2. Ensure you enter the correct Access ID, case sensitive, without any typo, and click the **Save** button of the **Service Access Settings** authentication window.



3. Ensure you have purchased the product. Log in to the [Web Support Centre](#) and select the theTradeableADX EA from the product list. If the product is **not** available for download then it is yet to be purchased at the [Web Support Centre](#).
4. Count the number of computers you are running the theTradeableADX EA on. If it is more than what the purchased EA licence copies allow then either shut down on the excess number of the computers all the running theTradeableADX instances, or purchase more licence at the [Web Support Centre](#).

## 6.1.6 Message 1017

Code	Severity	Message	Description
1017	Error	Initial risk <InitialRiskPercent>% is too low. Set EA parameter 'Initial Risk Percent' to higher than zero.	Position sizing feature is enabled but no Initial Risk Percent or Initial SL is configured. <a href="#">More...</a>

### Missing Initial Risk Percent for Position Sizing Feature

#### Issue

The position sizing feature is enabled and it requires both the *Initial Risk Percent* as well as the *Initial SL* to be set higher than zero.

#### Possible root cause

- The *Initial Risk Percent* is turned off, set to value zero.

#### Resolution

Set the *Initial Risk Percent* to higher than zero value.

## 6.1.7 Message 1018



Code	Severity	Message	Description
1018	Error	Initial SL <InitialStopLoss> is too low. Set EA parameter 'Initial SL for New Position' to higher than zero.	Position sizing feature is enabled but no Initial Risk Percent or Initial SL is configured. <a href="#">More...</a>

## Missing Initial SL for Position Sizing Feature

### Issue

The position sizing feature is enabled and it requires both the *Initial Risk Percent* as well as the *Initial SL* to be set higher than zero.

### Possible root cause

- The *Initial SL* is turned off, set to value zero.

### Resolution

Set the *Initial SL* to higher than zero value.

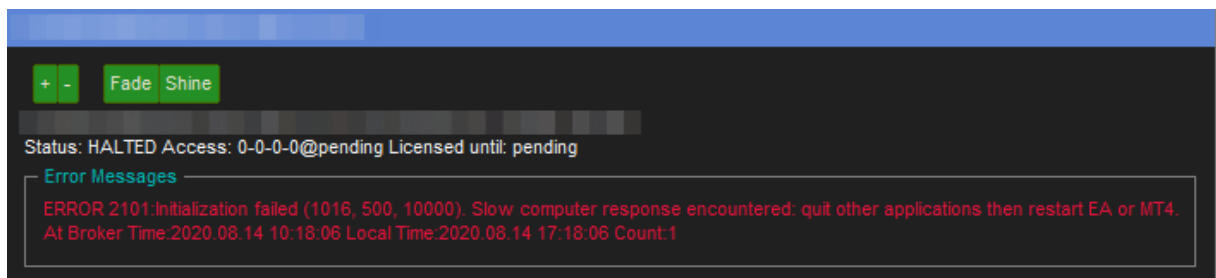
## 6.1.8 Message 2101

Code	Severity	Message	Description
2101	Error	Initialization failed	Initialization failed <a href="#">More...</a>

### Initialization failed

#### Issue

The EA dashboard shows that Initialization failed.



### Possible root cause

- Your computer slowed down for some reason, and the EA could not start up in a timely manner.
- The EA shut down itself in order to reduce the load on your computer, and allow you to gain back responsiveness of the computer, so you can free up some resources.

### Resolution

Sometimes this can be associated with heavy swap usage by the operating system, which could be caused by RAM shortage, or cycles of hibernation (close the lid of the laptop). The best way to clean this up is to simply to reboot your computer: exit the MT4, shut your computer down and boot it up again. Do not start up any other application just the MT4 and see if the EA can start up now, after the reboot.

## 6.1.9 Message 2118

Code	Severity	Message	ToDo
2118	Error	Service access disabled (<AccessID>, <ConfirmationID>) - shutting down...	The user quits the authentication process, or the EA is not able to authenticate the user access to the service. <a href="#">More...</a>

## Aborted Authentication

### Issue

The EA is not able to authenticate the user access to the service at attach or restart time and does not start up.

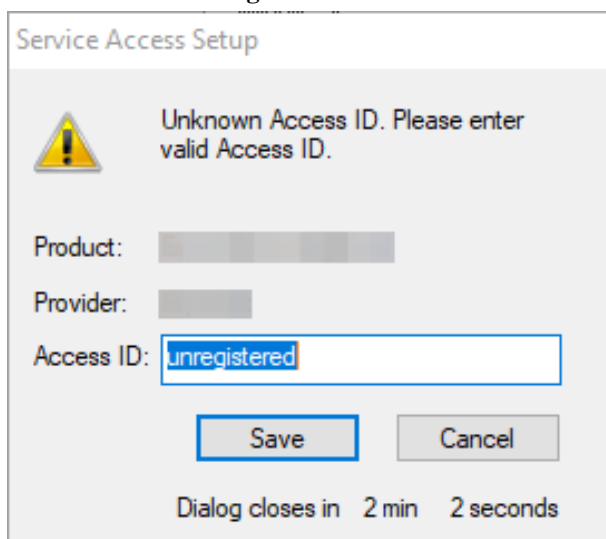
### Possible root cause

- The user quit the authentication process.
- The EA could not connect to the authentication server.
- There is a typo in the **Access ID** entered by the user.
- The theTradeableADX EA is not yet purchased by the user.
- The theTradeableADX EA was purchased, but not yet activated by the user.
- The theTradeableADX EA was purchased or a trial started, but the licensed period (e.g. calendar days) has elapsed.
- The theTradeableADX EA was purchased, but the licensed usage limit (e.g. number of parallel accesses) is breached by the user.

### Resolution

Double check the following items to find resolution to the issue.

1. Ensure that the computer has working Internet connection. For example, go to the [Web Support Centre](#) and see if the page loads with no issues. When the Internet connection is working, restart the EA by pressing F7 and clicking the **OK** button of the **Expert** property window.
2. Ensure you enter the correct Access ID, case sensitive, without any typo, and click the **Save** button of the **Service Access Settings** authentication window.



3. Ensure you have purchased the product. Log in to the [Web Support Centre](#) and select the theTradeableADX EA from the product list. If the product is **not** available for download then it is yet to be purchased at the [Web Support Centre](#).
4. Count the number of computers you are running the theTradeableADX EA on. If it is more than what the purchased EA licence copies allow then either shut down on the excess number of the computers all the running theTradeableADX instances, or purchase more licence at the [Web Support Centre](#).

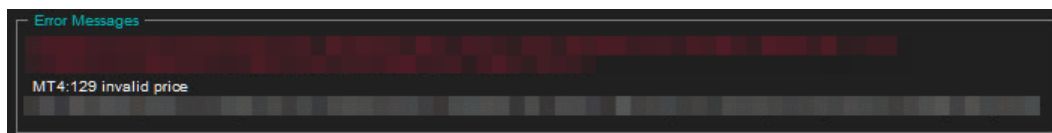
## 6.1.10 Message 9104

EA Code	Severity	Message	Description
9104	Error	Order submit failed at bid ...	Broker server rejects orders submitted by the EA. <a href="#">More...</a>

## Order submit failed at bid

### Issue

The theTradeableADX EA sends a trading request to the broker server which rejects the request due to an issue on the broker side. The details of the broker side issue is described by the MT4 error code presented in the EA dashboard right below the red error message - here is an example:



### Possible root cause

In your MT4 chart, observe the MT4 error code displayed in the EA dashboard. Find that MT4 code in the below table and click on that number to see the details and possible resolutions:

MT4 Code	Severity	Message	Description
<a href="#">2</a>	Error	Common error.	Connection, broker account or market related error. <a href="#">More...</a>
<a href="#">129</a>	Error	Invalid price.	The market price moved in the meanwhile making the price in the order not feasible. <a href="#">More...</a>
<a href="#">132</a>	Error	Market is closed.	Market is closed, trading is not available. <a href="#">More...</a>
<a href="#">136</a>	Error	Off quotes.	No current prices available or a broker configured limit breached. <a href="#">More...</a>
<a href="#">148</a>	Error	Amount of open and pending orders has reached the limit.	The broker account does not allow for more open or pending orders on the account. <a href="#">More...</a>

## 6.1.11 Message 15002

Code	Severity	Message	Description
15002	Error	Dynamic Target requires a <a href="#">Take Profit</a> . Set EA parameter <a href="#">Take Profit</a> to higher than zero.	Dynamic target feature enabled but no <a href="#">Take Profit</a> is configured. <a href="#">More...</a>

## Missing Take Profit for Dynamic Target Feature

### Issue

The Dynamic Target feature is enabled and it requires the [Take Profit](#) to be set higher than zero. Refer to [Dynamic Target](#) for more details.

### Possible root cause

- The [Take Profit](#) is turned off, set to value zero.

### Resolution

Set the [Take Profit](#) to higher than zero value.

**Related reference**[Dynamic Target](#)

## 6.1.12 Message 15004

Code	Severity	Message	Description
15004	Error	Dynamic Stop requires a <a href="#">Take Profit</a> . Set EA parameter <a href="#">Take Profit</a> to higher than zero.	Dynamic stop feature enabled but no <a href="#">Take Profit</a> is configured. <a href="#">More...</a>

### Missing Take Profit for Dynamic Stop Feature

**Issue**

The Dynamic Stop feature is enabled and it requires the [Take Profit](#) to be set higher than zero. Refer to [Dynamic Stop](#) for more details.

**Possible root cause**

- The [Take Profit](#) is turned off, set to value zero.

**Resolution**

Set the [Take Profit](#) to higher than zero value.

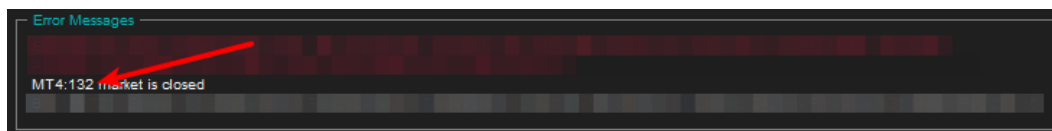
**Related reference**[Dynamic Stop](#)

## 6.2 MetaTrader Operational Messages

MetaTrader Operational Messages.

### MetaTrader Operational Messages

Observe the message number displayed in **white** in the EA dashboard. Find that MT4 code in the table below and click on that number to see the details and possible resolutions:



MT4 Code	Severity	Message	Description
<a href="#">2</a>	Error	Common error.	Connection, broker account or market related error. <a href="#">More...</a>
<a href="#">129</a>	Error	Invalid price.	The market price moved in the meanwhile making the price in the order not feasible. <a href="#">More...</a>
<a href="#">132</a>	Error	Market is closed.	Market is closed, trading is not available. <a href="#">More...</a>
<a href="#">133</a>	Error	Trade is disabled.	Broker disabled trading on this account. <a href="#">More...</a>
<a href="#">136</a>	Error	Off quotes.	No current prices available or a broker configured limit breached. <a href="#">More...</a>

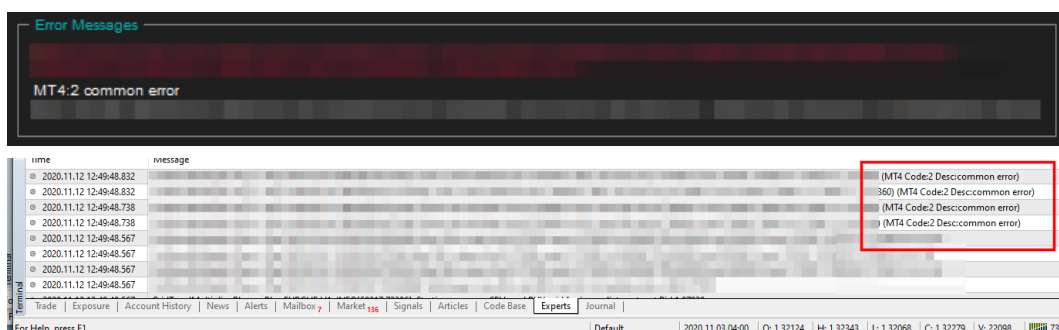
MT4 Code	Severity	Message	Description
148	Error	Amount of open and pending orders has reached the limit.	The broker account does not allow for more open or pending orders on the account. <a href="#">More...</a>
4024	Error	Internal error.	MT4 terminal internal issue. <a href="#">More...</a>

## 6.2.1 MT4 Message 2

MT4 Code	Severity	Message	Description
2	Error	Common error.	Connection, broker account or market related error. <a href="#">More...</a>

### MT4 Message: Common error

#### Issue



The EA dashboard shows that there is a 'common error' on the MT4 level which blocks the communication or trading with the broker server. This may occur after a lost connection over the Internet to the broker server where the reconnection did not succeed properly, or due to some other account or market related issue.

#### Resolution

Restart your MT4: In the MT4 menu select **File > Exit**, wait 5 seconds then start it up again. Hopefully the EA 'code 2, common error' would get cleared and the MT4 would be able to operate fully again.

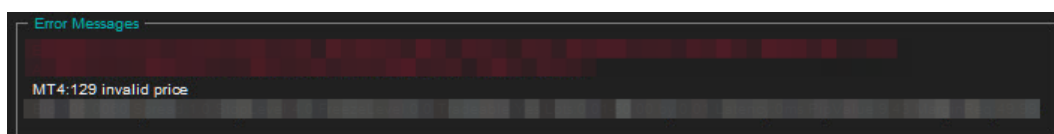
When the demo broker account expires this message may turn up. In this case create a new demo account with the broker.

## 6.2.2 MT4 Message 129

MT4 Code	Severity	Message	Description
129	Error	Invalid price.	The market price moved in the meanwhile making the price in the order not feasible. <a href="#">More...</a>

### MT4 Message: Invalid price

#### Issue



The EA dashboard shows that the order failed because of the market price moved on by the time the order reached the broker, which can happen in trading on a daily basis.

#### Resolution

In this case the EA automatically sends a new order according to the new market price and recovers from this issue on its own.

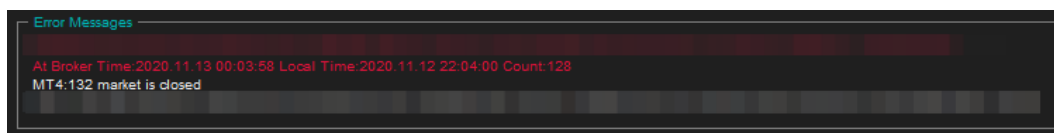
Watch out for the 'Count:' figure at the end of the red error message. Only if the Count figure would keep increasing every few seconds or so for longer than 5 - 10 minutes then a closer look would be needed. That could be an indication of a permanent issue which may need investigation and intervention. In this case send a screenshot of the chart showing the EA dashboard including the error message in full to [support](#).

## 6.2.3 MT4 Message 132

MT4 Code	Severity	Message	Description
132	Error	Market is closed.	Market is closed, trading is not available. <a href="#">More...</a>

### MT4 Message: Market is closed

#### Issue



The EA dashboard shows that the root cause of the issue was that the broker closed the trading of the market at around midnight GMT broker time.

#### Resolution

This is probably due to the practice the broker switches liquidity providers (banks) at around midnight GMT when the EU/US session ends and the Asian session kicks in. The switchover period could be just a few minutes but may last up to an hour or so around midnight GMT. As the Count: figure is increasing only over this short switchover period this is only a temporary issue.

The EA automatically recovers from this situation on its own and sends new orders to the broker when the market becomes open for trading again.

Watch out for the 'Count:' figure at the end of the red error message. If the Count figure increases only during the midnight GMT switchover period then no further action or intervention is needed. However, if the Count figure would keep increasing at any time of the day (not only around midnight GMT) every few seconds or so for longer than 5 - 10 minutes then a closer look would be needed. That could be an indication of a permanent issue which may need investigation and intervention. In this case send a screenshot of the chart showing the EA dashboard including the error message in full to [support](#).

## 6.2.4 MT4 Message 133

MT4 Code	Severity	Message	Description
133	Error	Trade is disabled.	Broker disabled trading on this account. <a href="#">More...</a>

### MetaTrader Message: Trade is disabled

#### Issue

The theTradeableADX EA got attached to a chart, the EA is up and running. It keeps submitting market orders to the broker server. However, the broker's server does not execute these market orders, instead, the broker says the trade on this broker account is disabled:



The broker server reports the MT4 error code 133, which means that the **trade is disabled** on the account. This is not an EA issue, instead, this is an issue with the broker account. For some reason the broker account does not allow you to trade that market.

### Resolution

Go through the following checklist to resolve this issue:

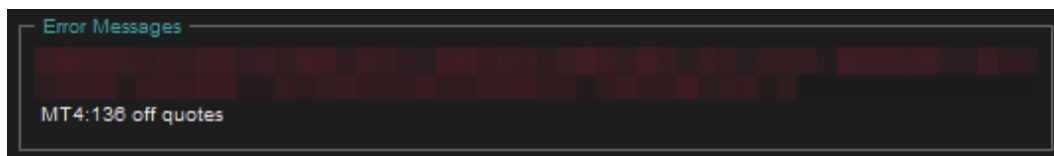
1. Restart the MT4 terminal to see if the restart and reconnect to the broker resolves this: In the MT4 menu select **File > Exit**, wait 5 seconds then start the MT4 up again.
2. Identify another symbol for the same market which is enabled for trading: In the MT4 menu select **View > Symbols** and search for symbol with different/extra suffix in the name, like EURUSD**Decn**. Add that symbol to the **Market Watch** window then attach the EA to this new symbol.
3. Logging into your MT4 broker account with the **investor login** credentials disables trading. Ensure that you log in to your broker account with the **full trader login** credentials.
4. Create another demo account with the broker.
5. Contact your broker and ask their support team to enable trading on the symbol or account
  1. Your broker account may have reached some trade limits (e.g. overall maximum lots).
  2. Your broker may have put (temporarily) trading limitations on your account for some reason.
  3. Your broker may have to enable trading by EAs.

## 6.2.5 MT4 Message 136

MT4 Code	Severity	Message	Description
136	Error	Off quotes.	No current prices available or a broker configured limit breached. <a href="#">More...</a>

### MT4 Message: Off quotes

#### Issue



The EA dashboard shows that the order failed because of the current market prices are not available due to connectivity issues, or because some of the broker constraints got breached by the order, like quotes got outdated or moved too far away.

### Resolution

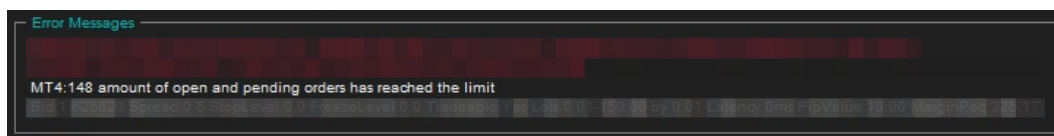
The EA automatically sends a new order according to the new market conditions and recovers from this issue on its own. There is no need for any intervention.

## 6.2.6 MT4 Message 148

MT4 Code	Severity	Message	Description
148	Error	Amount of open and pending orders has reached the limit.	The broker account does not allow for more open or pending orders on the account. <a href="#">More...</a>

## MT4 Message: Amount of open and pending orders has reached the limit

### Issue



Based on the MT4 error code 148 the number of open trades reached the limit of the broker account, i.e. there are too many open trades on the account and no more trade can be entered. This is a broker account limitation, not an EA limitation.

### Resolution

The number of open trades needs to be reduced on the broker account. If you run multiple EAs on the account then close some of those charts with the EAs and close the corresponding trades off. You may consider to open another broker account and start those EAs up on that new broker account.

You could also limit the number of trades this EA can open on the account - see the

## 6.2.7 MT4 Message 4024

MT4 Code	Severity	Message	Description
4024	Error	Internal error.	MT4 terminal internal issue. <a href="#">More...</a>

## MT4 Message: Internal error

### Issue

Time	Message
2020.11.03 07:35:36.832	INFO[1237;1050018]: Start cleanup:4024 internal error
2020.11.03 07:35:27.545	WARN[3017;1050018]: 489:4024 internal error (MT4 Code:4024 Desc:internal error)
2020.11.03 07:33:58.024	INFO[1237;1050018]: Start cleanup:4024 internal error
2020.11.03 07:33:23.661	INFO[1237;1050018]: Start cleanup:4024 internal error
2020.11.03 07:33:09.540	INFO[1237;1050018]: Start cleanup:4024 internal error
2020.11.03 07:32:41.520	INFO[1237;1050018]: Start cleanup:4024 internal error
2020.11.03 07:31:12.410	INFO[1237;1050018]: Start cleanup:4024 internal error
2020.11.03 07:30:39.469	INFO[1237;1050018]: Start cleanup:4024 internal error
2020.11.03 07:30:23.871	INFO[1237;1050018]: Start cleanup:4024 internal error

The MT4 Expert tab shows that there is a 'internal error' in the MT4.

The 4024 comes up when the MT4 is busy, and some request from the EA, like to refresh the chart area, cannot be processed without delay. This is an internal issue to the MT4 due to a busy or overloaded environment. The impact of this issue is that the chart area may get refreshed with some delay. However, in extreme cases this may become an issue impacting the trading as well.

### Resolution

If you get this 4024 only occasionally, a couple of times a day then you may ignore this message. However, if you get this message very regularly, then your MT4 or computer could be overloaded or its performance degraded. In this case exit your MT4, reboot your computer, and only start the MT4 up and no other applications which you do not use. If you still get 4024 messages then close some of the charts, detach some of the EAs in your MT4. This is to reduce the load on your computer and to eliminate this message.



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# Chapter 7

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## Support

Please contact [support@eafactory.com](mailto:support@eafactory.com) if you require any further assistance. Please copy [info@expert4x.com](mailto:info@expert4x.com) on your email.

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