Automating NSE NOW Trading Terminal

17 February 2017

00:09

**Disclaimer:**

1. Try this at your own risk.
2. If you do decide to use this, Test it thoroughly before you do so.
3. At the time of writing, the NSE NOW version is : 1.13.3.5
4. This has been tested by me only for the above mentioned version for the NSE NOW software provided by my broker Finvasia.
5. This has been tested by on Win 10 64 bit OS
6. The automation script is designed for day trading on the NSE CASH segment

**Purpose of this Automation:**

1. Create a Hotkey for placing a Buy/Sell order. Here (Shift + B) is used for placing a Buy Order. And (Shift + S) is used to place a Sell Order
2. Automatically place a SL (either SL-Limit Order or a SL-Market Order) along with each Buy/Sell Order. The default is SL-Limit Order.
3. A rudimentary Position Sizing . For the input trading capital , the number of shares to Buy/Sell are determined by the formulae: (ltp - stoploss)\*noofshares = risk per trade
4. For a Long position, the Low of the day is taken as Stop Loss . For a Short position, the High of the day is taken as SL.

**Settings of NSE NOW:**

The NSE NOW terminal has to be setup as per the screen shots shown below. The first step is to address the Preferences -> User Settings in NSE NOW.

Machine generated alternative text: Category:
General
General
General
[21 Prompt Before Application Lock
Prevent Unsolidted Download of Entibes
[_yiatch Active Entibes
[21 AutoUpdate NOW Log
View MTM on Long Option Contract
From System Date and Time
From Selected Exchange Last Feed
E NOW Notification PopUp
I E Display Date and Time
Li Display Account Name
E Minimize Task Switcher
--ALL--
E NOW Messages
As Popup Message
As Flash Message
In Log Window
Exchange News
E As Popup Message E As Flash Message
News
In Log Window
E As Popup Message
Recondling
Prompt on Recondling
Gets all OrderfTrades,askets
E As Flash Message E In Log Window
Restore Defaults
[E Cancel
lEvent
Market Watch
OHLC Graph
Order
RMS
Recondle
OK H Apply

Machine generated alternative text: Category:
Others
121 Reflect Dialogs in Market Watch
[] Market Depth in Maximized Mode
El Quick Order Entry
Default Market Picture Window
® Snap Quote Window
Market Watch
Appearance
Basket Order
Event
General
Market Watch
OHLC Graph
Order
RMS
—
Color Settings
text Color
BackGround Color
j
text Color(+ve)
J
text Color(-ve)
Selected Item (Active)
Selected Item (Non -Active)
Select Font
Open Sans (Regular, lo)
ouos _______________________ _____________
Default Market Watch View Group MW1-NSE _____ I
E Display Market Trend as Text Color
E Use Trend Coloring far Symbol
E Allow Multiple Instance of scrips in MW
O Market Depth Window
S Secs
trend Color Refresh Rate
I
Spread Order Entry
E Pick Scrip From MarketWatch
E Load Long Roll
OK
Apply
Cancel

Machine generated alternative text: Order Qty
Default Order Qty E Pick the Derivative Market Lot
NSE H I IJPickfromMarketWatd, I
EsetNo. Of Market Lots -1
E Qty Alert an Market Lot)
E Price Alert (% of LTP)
E Set Value Alert (Qty tPrice)
E clientid
Default Client Id
Prefix
Retain Last Selected Client
‘Li Set Trigger Price as limit Price
E Enable Price Range for Order Entry Window
Single Click To Place Order
Close Order Entry Dialog After Pladng Order
Check for Order Qty During Modification of Order
[J Order Alert for Groups
E Set Default Disdosed Qty (% of Order Qty)
E Scrip Code Prefix Lacs
Order
Order Prompts
Exchg Seg ‘ E Fresh E Modification E Cancellation
Default Values
Pro/Ch CLI
h [roduct Type MIS ‘..- Order Type LIMiT E I
Alerts
Exchg Seg
Category:
Appearance
Basket Order
Event
General
Market Watch
OHLC Graph
Order
RMS
OK
Focus
Q Order Price
® Order Qty
10.00
Restore Defaults
Apply
Cancel

**Setup of NSE NOW:**

1. Ensure that the market watch is named as MW1-NSE
2. Ensured that the Market Watch Window (MW1-NSE) is Not Maximised
3. The following 7 Columns are Mandatory and have to necessarily in the Order as shown in the figure below
   1. Symbol
   2. Last Traded Price
   3. Percentage Change
   4. Open
   5. High Price
   6. Low Price
   7. Prev Close Price

Machine generated alternative text: ý NOW 1.1 3.3.5 . DotEx International ‘L
file Market Qrders and Trades ßrouped Orders Ereferences surveillance M&sters bols N&st Plus * Window help
MW1-NSE
! NSE - Normai zri EQ —‘ LJINDt%1L ,
Symbol Last Traded Price Percentage Change
JINDALSTEL ‘93.1ö
HDFC 1405.50
ILAKPRE 1 40.80 f
The POWER
in your hands
Normal
I
0.59
0.86
H3INDALSTEEL&POWER s.j
3.1 611
Open High Price Low Price
93.05 94.50 92.00
1425.00 1432.65 1401.05
39.7511 40.80I 38.8Sf
LJLJ 1
Prey Close Price 1
92.55
1393.55
39.55
D

This is how my final setup looks for day trading.

Machine generated alternative text: - X
NOW 1.13.3.51 I DotEx International
Eue Market Qrders and Trades rouped Orders references surveillance M&sters bols Nest Plus * Window elp
I ‘-I
‘‘
CompIetedII
[_ Modify J Cancel
JSQ:cijIr’Q:O
Cancel All J I
E Enable Button DaywisefiJetwise
Get Posibons DayWise
®Qty(%) QExactQty L
ym 001
I LAKPRE
Mign i-’ri
40.80
Filter Orders
Upen Urdes
‘ð —ALL—
________ —
—ALL—

**Installing AutoIt:**

AutoIt is used for the development of the script that does the automation. It can be downloaded from the website [here](https://www.autoitscript.com/site/autoit/downloads/)

The screenshots below give the required guidance for installation.

Machine generated alternative text: » Autolt v3.3.14.2 Setup
64-bd Operating System Support
How to you want to configure x64 support?
You are running a 64-bit Operating System. You can use native x64 versions of Autolt but
some scripts may not work as expected.
Use native x64 tools by default where possible?
Q Use native x64 tools by default
® Use x86 tools by default (recommended for compatibility)
Nullsolt Install System v2.46
<Back Next> Cancel

Machine generated alternative text: $ Autolt v3.3.14.2 Setup — X
Defaults for °au3
What do you want to do when you double-dick a t.au3 file?
Select a default option for t.au3 files.
Q Run the script
® Edit the script
Nulisolt Install System v2.46
<Back Next>

**Running the Script:**

1. The required script has been uploaded to github and the link to it is here.
2. Open the SciTE editor provided with the AutoIt installation and copy the source code from github
3. Save it and name it as "automating\_nse\_now" . You are free to choose any name as you so desire.
4. When u are ready to run the script, right click on it and then select "Run Script (x86)"

Machine generated alternative text: r—”
Compile Script
Compile Script (x64)
Compile Script (x86)
Edit Script
Run Script
Run Script fr64)
Run Script (x86)
7-Zip
CRC SHA
[3’ Edit with Notepad÷÷
JJ Scan with Windows Defender...
Open with )
Share with
Restore previous versions
Send to
Cut
Copy
Create shortcut
Delete
Rename
Properties

The AutoIt script will now show up in the System Tray. Ensure that the taskbar setting in Win 10 are enabled such that the icon shows up in the taskbar.

Machine generated alternative text: 

Place the selection key on the symbol in Market Watch and press (Shift + B) for a Long Position and (Shift + S) for a Short position

**Safety Features**

Firstrun theNSE NOW application and then start the Script. When the setup is done correctly, and when the Active Window is NSE NOW, then Only will the script popup the screen for Input Data. The % Risk per trade is defaulted to 1% and can be changed. The trading capital needs to be entered.

Machine generated alternative text: Input Data
‚J
Trading Capital:
‘1, Risk per Trade
I I
Il
OK

Once the data is input, you ready and all set to Trade.

If for any reason, there is any mismatch in the selected symbol on the market watch list and the symbol on the buy/sell order window or the SL windows, the program will popup a message and then terminate the script

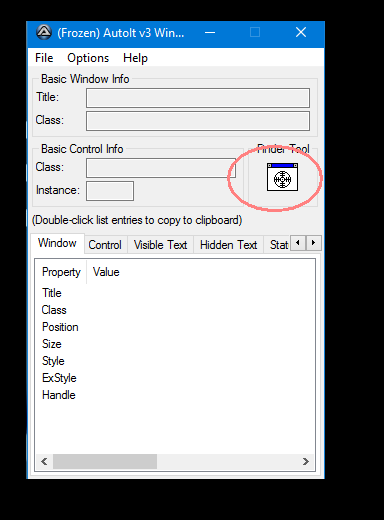
Whenever you click the escape button, the script is automatically terminated.

**Before you Run the script:**

This is a criticalPoint . It is important to capture the exact title when NSE NOW is setup correctly. This is the way to capture the Title:

During the installation of AutoIt, a tool is also installed , called "AutoIt Window Info (x86)". Open this

Click on the "finder tool"



Drag the finder tool to the MW1-NSE

Double click on the Title in the Window Tab.

Machine generated alternative text: File Options Help
Basic Window Info
Title: NOW 1.13.3.5 FA7300-14846,14.846 DOtEX ln
Class: Pðx:GOE00000:8:00010003:00000000:00781 B
FInder Tool
Basic Control Info
Class:
Instance: I I
SysListView32 I
(Double-click list entries to copy to clipboard)
Window Control Visible Text Hidden Text Status Bar Tool Bar Mouse Summary
Propetty Value
NOW 1.13.3.5 DBclwFr1.,
Class Afx:OOEC)0000:8:00010003:00000000:00781 B63
Position -8. -8
Size 13827M
Ste Ik15CF0000
EXStyIe kOGOOO1DO
Handle &20B219B8
m
‘<
>‘

Copy and paste that on the script for the variable Global $title\_of\_nse\_now . Make sure that what is pasted is within the quotes

Machine generated alternative text: ;Global Variables used in the rora
Global $title_of_nse_now =FNCW L13.3S  floY,x Thternational  ; Note the extra space after letter 1 in word international