



# Infi-flux

This document is crafted with the beginner investor in mind, providing insights for those embarking on or recently commencing their investment journey. It's our belief that readers should peruse this document only after familiarizing themselves with the contents of the other documents available in the guide section, ideally having reviewed them at least once.

The purpose of this document is to offer a glimpse into the practical implementation of real-world concepts, tools, and techniques, particularly focusing on the Testing and Optimization phase, while also touching upon key concepts from preceding phases.

This implementation document has been designed to be accessible to anyone with a Google account logged into our systems. It's important to note that this implementation is entirely cost-free and does not require any financial investment.

The document will delve into the concepts of stock screening, basic backtesting, and forward testing using Paper trading. The platform chosen for this implementation is TradingView, a versatile tool accessible with a Google account, allowing users to log in seamlessly with their existing credentials from Infi-flux.

TradingView offers various plans tailored for both non-professional and professional users, including a basic free plan. Their ethos, "Free, until you're ready," resonates with our approach. Users simply need to sign up or log in to TradingView to commence their journey.

Let's begin this exploration together.

### TradingView Description:

Upon logging in, you'll likely find yourself directed to the market summary page, where various indices are listed. Choose an index of your preference and proceed to its corresponding chart. Once on the chart, you'll notice a search bar containing names of the indices you've selected. This bar enables you to switch between different financial market instruments monitored by TradingView, including Indices, Stocks, Funds, Futures, Forex, Crypto, Bonds, and instruments correlated with global economies.

To streamline this document and maintain efficiency, we won't delve into every detail of the TradingView platform. Instead, we'll provide a list of terms for your reference. We encourage you to explore the platform independently, as doing so will enhance your understanding and engagement with the material. Let's embark on this journey together.

### Top search bar

- Account profile picture
- Instrument Search bars
- Adding other instruments for comparison
- Time frame of the chart
- Different Types of Chart Visualization
- Indicators
  - My Scripts
    - Custom Pine Scripts by you

- Technicals
  - Technical Indicators
  - Strategies
  - Profiles
  - Patterns
- Financials
  - Income Statement
  - Balance Sheet
  - Cash flow
  - Statistic
- Community Scripts
  - Editor's picks
  - Top
  - Trending
- Alerts
- Undo & Redo

Left-hand side Chart toolbar:

- Mouse Pointe shape
- Type of Lines
  - Lines
    - Trend lines
    - Ray
    - Info line
    - Extended Line
    - Trend Angle
    - Horizontal Line
    - Horizontal Ray
    - Vertical Line
    - Cross Line
  - Channels
    - Parallel Channel
    - Regression Trend
    - Flat Top/Bottom
    - Disjoint Channel
  - PitchForks
    - Pitchfork
    - Schiff Pitchfork
    - Modified Schiff Pitchfork
    - Inside Pitchfork
- Fibonacci Tools
- Types of Patterns
  - Pattern
  - Elliot Waves
  - Cycles
  - Projections
    - Long Position

- Short Position
  - Forecast
  - Bars Pattern
  - Ghost Feed
  - Projection
  - Volume Based
  - Measure
    - Price Range
    - Date Range
    - Date and Price Range
- Types of Brush
  - Brush
  - Highlighter
- Arrows
- Different Shapes of Geometry
- Different Types of Notes
  - Text and Notes
  - Content
- Emojis
- Measure
- Zoom in
- Zoom out
- Magnet
- Drawing mode
- Drawing mode lock
- Hide Drawing
- Remove Drawing and Indicators

### Right-hand side

- Price Scale
- Watch List
  - Individual Instrument Analysis
    - Metrics
      - Financials
      - Technical
      - Forecast
    - Ideas
    - Minds
    -
  - Add symbol
  - Advance View
  - Settings
- Alerts
- HotList
  - Volume Gainers
  - Percentage Change Gainers
  - Percentage Change Losers

- Calendars
  - Economic Calendar
  - Earnings Calendar
  - Only high Importance sorting
  - Country selection
- My Ideas
- CHATS
  - Public
    - Talks
      - Minds
  - Private
- Ideas Stream
  - For You
  - Following
- Streams

At the bottom of The chart

- Time
  - Time Frames
  - Time Zones
  - Regular/Extended Trading hours
- Screener
  - Stock Screener
  - Forex Screener
  - Crypto Pairs Screener
- Pine Editor
- Strategy Tester
- Trading Panel

For the Generic practical implementation of investing, our focus will be on the bottom part of the chart.

### **Stock Screener**

It shortlists stocks based on conditions provided in the Filters highlighted to your needs. The Filters are characterized into three main categories

1. Descriptive
2. Financials
3. Technicals

We request you to check every one of these filters, and whenever you encounter unfamiliar terms, please use gpt models like ChatGPT or Bard to get a detailed understanding of that term respectively.

After the conditions are entered and the shortlist is generated, one can look for the various metrics displayed at the same level as the filter. One can get a comparative analysis based on metrics like performances, Valuation, Dividends, Margins, Income Statement, Balance Sheet, Oscillators, and

trend-following. The overview gives a generic comparison analysis of the shortlisted list generated based on filter conditions.

Stock Screeners like Trading View are extremely helpful in Pre and core market analysis of our G-BI Architecture.

### **Strategy Tester**

Description: This Tester is a powerful tool designed for investors to assess the effectiveness of their trading strategy using historical price data. This tool includes concepts like

- Backtesting
- Visual Representation
- Performance metrics

To explain this tool as simply as possible, we request you to click load your strategy. To get started, just select any one of the strategies displayed by indicators even if you have no idea what it does. Let us assume Bollinger Bands Strategy was selected. With just one click, the strategy is loaded on the chart with the buy and sell signals. There are 4 main components of this Strategy tester.

- Overview
  - Net Profit
    - Overall Profit or loss achieved
  - Total Closed Trades
    - Includes winning and losing trades
  - Percent Profitable
    - The percentage of winning trades, the number of winning trades divided by the total number of close trades.
  - Profit Factor
    - The amount of money the strategy made for every unit of money it lost, gross profits divided by gross losses
  - Max Drawdown
    - The Greatest loss drawdown, i.e, the greatest possible loss the strategy had compared to its highest profits
  - Avg Trade
    - The sum of money gained or lost by the average trade, Net Profit divided by the overall number of closed trades.
  - Avg# Bars in Trades
    - The average number of bars that elapsed during trades for all closed trades.
- Performance Summary
  - In-Depth metrics
- List of Trades
  - Gives journal for entry exit trades
- Properties
  - Generic Info

When you load a strategy from a ready-made list like we did in the above paragraph. If someone needs to know the exact conditions of entry and exit, please open the pine Editor. To understand the custom pine script let's say Bollinger Bands Strategy, copy and paste it to ChatGPT/Bard and ask it to explain.

There is no stop loss in custom strategy. So we urge you to add the conditions for the stop loss in the trading view itself. As to limit the Drawdown. For demonstration purposes, we are going with the stop-loss method. There are many ways to deal with drawn-down issues.

We would request you to edit the pine script. In our opinion, you should try the further paragraph. You are free to ignore the following paragraphs. Request a query to the GPT model “add an optimized stop loss in the above strategy”. You might get a pine script most probably. Copy and paste it to the pine editor in trading view. But you would get a read\_only message before editing, so create a working copy. Paste the GPT pine script to the editor removing the original pine code and pasting the new GPT one. You can save it if you like. And the next step is to click Add to chart beside the Publish strategy. If there are errors in the pine script, copy and paste the error to the GPT model and ask for the solution. The model most likely will apologize and give a new edited pine script. Repeat the same process for this one. If the error persists, repeat the process. Until you get an error-free pine script.

Another issue may also arise in the basic free plan because limited number of indicators applied on the chart. Before adding to the chart step, clear all the indicators and then add to the chart. Now try adding stop loss with a custom risk and reward ratio and see what happens. Please leverage the use of ChatGPT and Bard in your process of investing which will help you learn multiple skills and help you foster innovative unique thinking.

Strategy testing is designed for testing strategies that are developed by leveraging the concepts of Technical analysis. TradingView has a great community and one can start learning different approaches in the market and test it out for yourself if it works or not. Making notes will help remember countless concepts. Researching concepts and different strategies of Fundamental and technical analysis, and documenting them holistically is one of the main aims of constructing and expanding our Knowledge base with the sole intent of helping our users of Infi-flux to reduce uncertainty faced in Financial Markets.

When you are done with backtesting, please look into the trading panel One can learn forward testing here. Please connect paper trading, a brokerage simulator by TradingView. There will be a panel displayed on the right-hand side of the chart, where you will be able to place trades long short / buy and sell using Fake Money/paper trading based on your back-tested strategy and see how the strategy plays out in the market in real-time.

This concludes our Document. Please subscribe to our Newsletter under our guide section for updates related to the platforms including innovative products, resources, algorithms, and documents.

References:

1 ] <https://in.tradingview.com/>

Hope this Helps

Thank you

Be careful

By Infi-flux

**InfiFlux.com**