



FOREXBOTWORKS ENGINE

Engine Overview

The runtime foundation of the ForexBotWorks automation system.

Version 1.0	Status Current Architecture	Date September 2026
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Built by traders. Designed for traders. Engineered for automation.

1. What Is the ForexBotWorks Engine?

The ForexBotWorks Engine is the runtime foundation of the automation system. It provides the environment that coordinates configuration, licensing, market components and system services while keeping individual trading components independent.

The Engine is designed to be infrastructure rather than a market-specific trading strategy. Its role is to bring the system together and provide a consistent runtime for the Components and platform integrations that operate within it.

2. The ForexBotWorks Architecture

ENGINE	TELEGRAM CLIENT	CORE	PLATFORM ADAPTER
Runtime environment coordinating configuration, licensing, components and system services.	Handles Telegram connectivity and provides incoming signal data to the system.	Processes and validates signal data using platform-independent trading logic.	Translates Core instructions into the communication and execution methods required by a selected platform.

The separation is intentional: Telegram communication, platform-independent processing, platform execution and runtime coordination remain distinct responsibilities.

3. What the Engine Provides

- Runtime coordination for the installed automation system.
- Loading and handling of user configuration.
- Licensing and account association checks for Components.
- Coordination of Telegram infrastructure and trading-platform connections.
- Discovery and startup of installed Components.
- A common environment in which Components can operate independently.

4. Components

ForexBotWorks uses Components to separate market-specific functionality from the Engine. A Component represents a market family or concrete trading implementation while the Engine provides the runtime environment around it.

Component	Current status
XAUUSD Component	Completed / Tested
BTCUSD Component	Completed / Tested
XAGUSD Component	In preparation
MT5 Tracking Dashboard	Completed product

5. Licensing & Device Protection

ForexBotWorks uses Component-based licensing. A purchased Component has its own license identity and is associated with the user's account and authorized device environment.

- License status is validated through the licensing system.
- Component licenses are associated with the relevant user account.
- Device/HWID protection is used as part of the authorization model.
- The Engine uses license state to determine whether a Component may operate.

6. First-Run Configuration

The Engine is designed around a first-run configuration flow rather than hard-coded user credentials or trading settings. The required connection and account information is supplied during setup and stored in the Engine configuration.

- ForexBotWorks license information
- Telegram API ID and API HASH
- Telegram authentication/session
- Trading platform selection
- Trading account information
- Component-specific configuration such as lot size and source group

7. Engine and Trading Platforms

The Engine is not tied to the implementation details of one trading platform. Platform-specific communication and execution belong to the Platform Adapter layer.

MetaTrader 5 is currently part of the implemented environment. The architecture is designed so additional platform adapters can be introduced without changing the responsibilities of the Telegram Client or Core.

8. Adding Components

Components are modular. The Engine can discover installed Components and initialize those that are present and authorized. An inactive or unavailable Component does not need to prevent other authorized Components from operating.

This separation allows ForexBotWorks to expand by adding market-specific Components without turning the Engine into a collection of market-specific trading logic.

9. What the Engine Does Not Do

- It is not a trading strategy by itself.
- It does not replace the market-specific logic contained in Components.
- It does not contain the platform-specific execution implementation.
- It does not independently decide whether a trading signal should exist.

- It does not remove the user's responsibility for account configuration, risk settings or capital.

10. Current V1 Status

Area	Status
ForexBotWorks Engine	Completed
XAUUSD Component	Completed / Tested
BTCUSD Component	Completed / Tested
XAGUSD Component	Preparation
MT5 Tracking Dashboard	Completed

11. Architecture Principle

Telegram Client does not know how MT4, MT5 or cTrader trades.

Platform Adapter does not know how Telegram works.

Core does not depend on a specific trading platform.

Engine provides the runtime environment that coordinates the system.

ForexBotWorks Engine is the foundation around which the automation system is assembled. Its purpose is to keep the system modular, configurable and expandable while keeping market logic and platform execution separated from the runtime itself.

ForexBotWorks
Professional Trading Automation Software
<https://forexbotworks.com/>