

OsEngine Admin Panel Guide



Manual



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1. Introduction

Administrator panel is a program for remote monitoring and control of the OsEngine trading terminal.

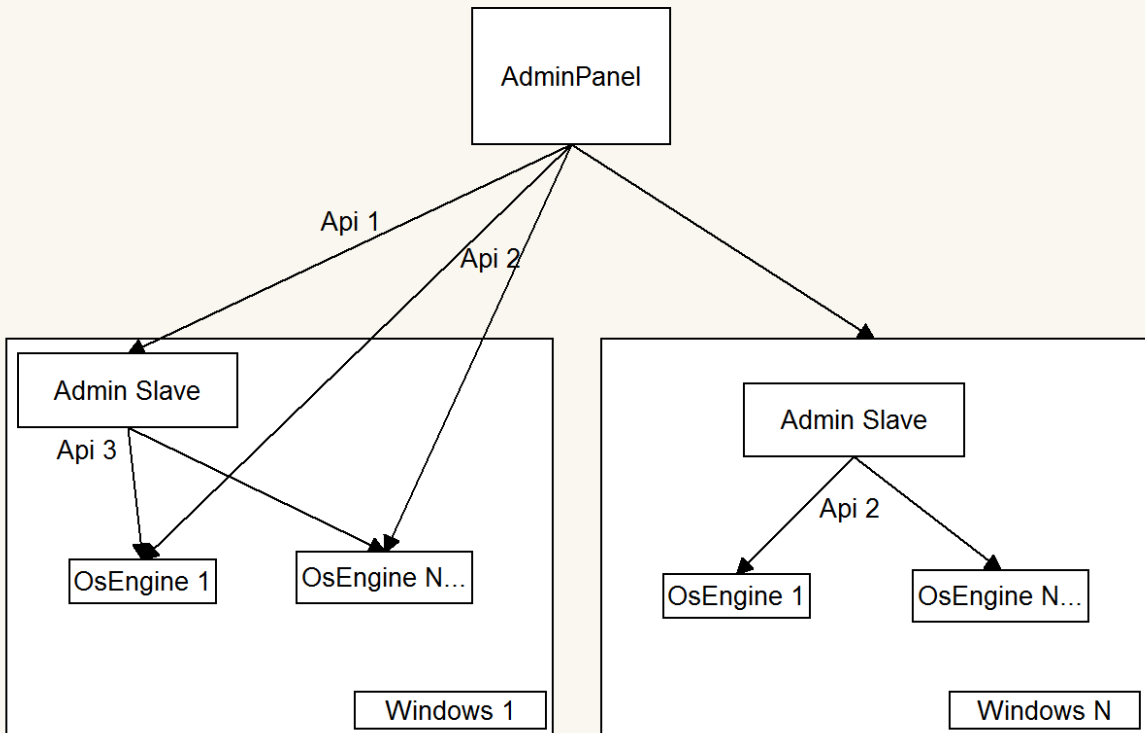
The program will be useful to most OsEngin users, but it will bring the greatest value to traders dealing with trust management, since remote control implies working with several terminals located on different servers.

Let's list the main features OSAdmin:

- Displays the load on the CPU and the amount of free RAM.
- Displaying the amount of consumed resources for each instance of OsEngine.
- The ability to remotely restart the terminal in manual mode or automatically when the threshold values for loading the RAM are reached.
- Monitoring the status of servers, robots, positions, portfolios, orders.
- Informing the user with sound signals and / or sending messages in telegrams.

2. Interaction scheme

The components interaction diagram is shown in the figure below.



This includes 3 components:

1. OSAdmin - admin panel.
2. Admin slave – remote assistant.
3. OsEngine - trading platform, trading terminal.

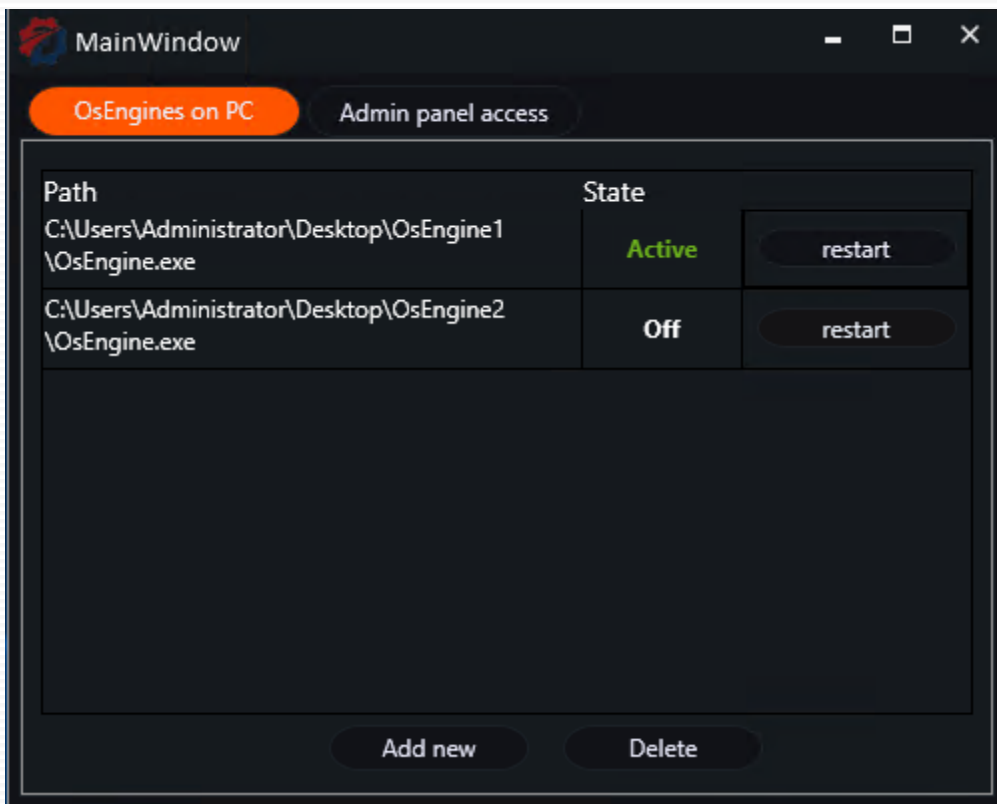
As we can see from the diagram, the admin panel interacts with both the helper and each of the OsEngine instances. The assistant monitors the terminals from the side.

3. Slave

Admin slave - assistant program. It has 2 tasks, this is to send a panel of counters to the CPU load and the amount of free RAM, and the second task is to reboot the terminals upon a signal from the admin panel.

In the helper window, we can see only 2 tabs:

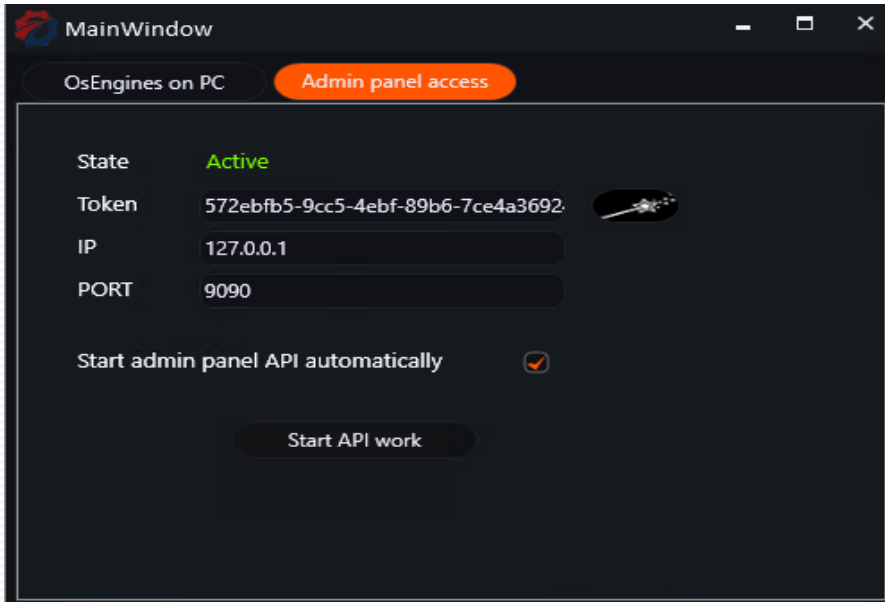
1. A table with monitored terminals.



In the table we see information about the terminal, the path to the exe file, the state and the button for restarting it. To add a new terminal, click on the Add new button, select the folder with the exe file, click Ok.

3. Slave

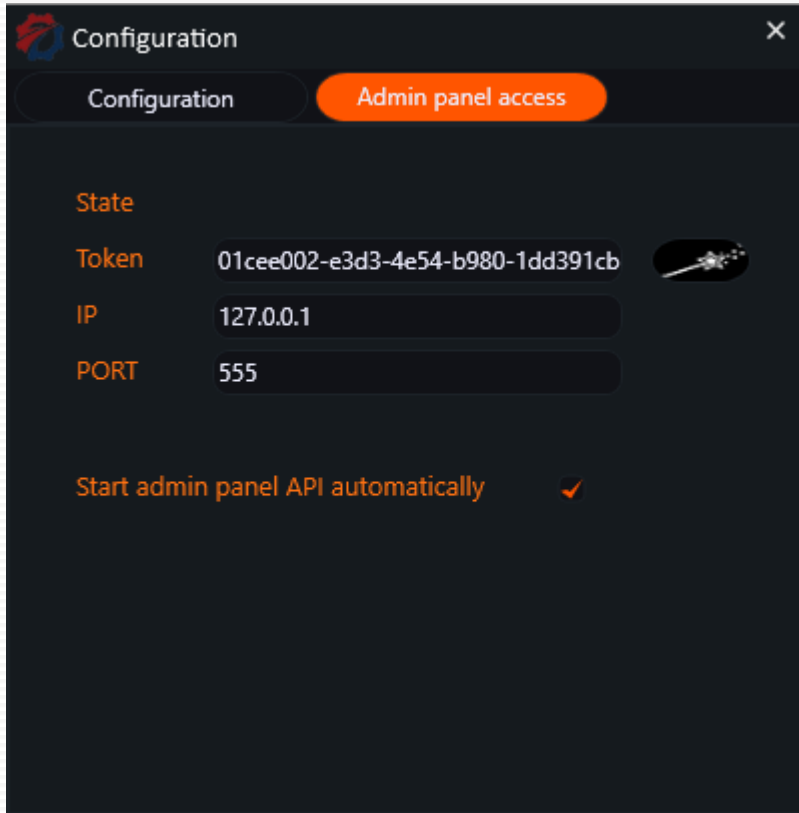
2. Access settings for the admin panel.



Here we see:

- Api state
- Access token, we will enter it in the admin panel
- Token generation button
- IP addresses that are allowed to connect to this assistant, you can specify several different ones separated by commas
- The port the assistant is listening on
- Checkbox to automatically start listening to incoming connections
- Api start / restart button
- If we changed the settings while the Api is running, we need to restart the api by clicking the start button.

4. Customization OsEngine



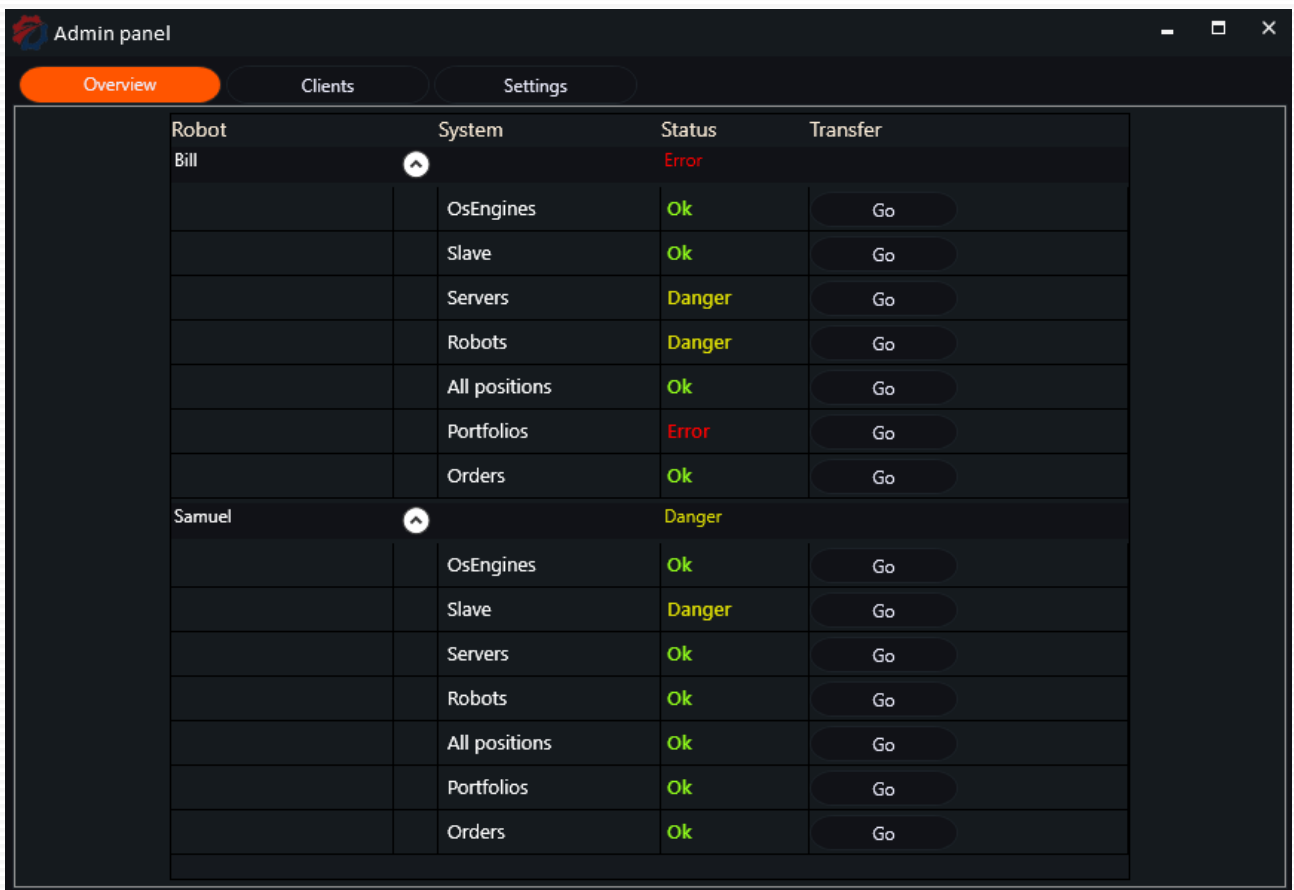
In the terminal, the access settings are the same as in the assistant, see description above.

5. Admin panel

- I. Overview
- II. Clients
- III. Settings

Let's analyze each of them in more detail.

Overview



The screenshot shows the 'Admin panel' window with the 'Overview' tab selected. The table displays client information, including the robot name, system status, and transfer buttons. The table is organized into two main sections for 'Robot Bill' and 'Robot Samuel', each with a sub-header for 'System' and 'Status'.

Robot	System	Status	Transfer
Bill		Error	
	OsEngines	Ok	Go
	Slave	Ok	Go
	Servers	Danger	Go
	Robots	Danger	Go
	All positions	Ok	Go
	Portfolios	Error	Go
	Orders	Ok	Go
Samuel		Danger	
	OsEngines	Ok	Go
	Slave	Danger	Go
	Servers	Ok	Go
	Robots	Ok	Go
	All positions	Ok	Go
	Portfolios	Ok	Go
	Orders	Ok	Go

This tab contains a table with all clients. By clicking on the arrow, all client systems with the current status are displayed, as well as the button for switching to the tab with a specific system.

5. Admin panel

Systems and statuses:

1. If any of the terminals have Disconnect status, this is Error for the table.
2. Assistant is not connected - it is Danger.
3. One of the servers has the Disconnect status - this is Danger.
4. Maximum status level for robots.
5. If the client has positions with the Closing, Opening, ClosingFall, ClosingSurplus status for more than a minute across all terminals, the Error status.
6. If one of the portfolios has values in the field "Incoming funds" or "Funds now" less or equal to zero, this is the Error status.

Clients

Main

Admin panel

Overview Clients Settings

Bill Add Delete

Windows

IP: 127.0.0.1

Comment: first test

RAM: all: 8131,0 free: 1120,0

CPU: free: 66 %

Slave

State: Connect

Token: 781d2d23-2d5e-4729-ae3-6a2!

Port: 9090

Os Engines

Add Edit Delete

Name	State	Token	Port	RAM	Reboot R	CPU
OsEngine1	Connect	01cee002-e3d3-4e54-b980-1dd391cbdf8c	555	109.5	1000	0.8

Reboot

Main Servers Robots All positions Portfolio Orders

5. Admin panel

There are 3 areas here:

a) Add a new customer or delete a selected one

Bill

Add

Delete

b) Assistant settings display area and resource metrics.

Windows

Slave

IP

127.0.0.1

Comment

first test

RAM

all: 8131,0 free: 1112,0

CPU

free: 78 %

State

Connect

Token

781d2d23-2d5e-4729-aee3-6a2!

Port

9090

- IP – ip v4 client address
- Comment - comment, any text you want
- RAM – how much memory and free is currently on the client
- CPU – free CPU time on the client
- State – assistant state
- Token – access token
- Port – helper connection port

c) Table with OsEngine instances running on the client

Os Engines

Add

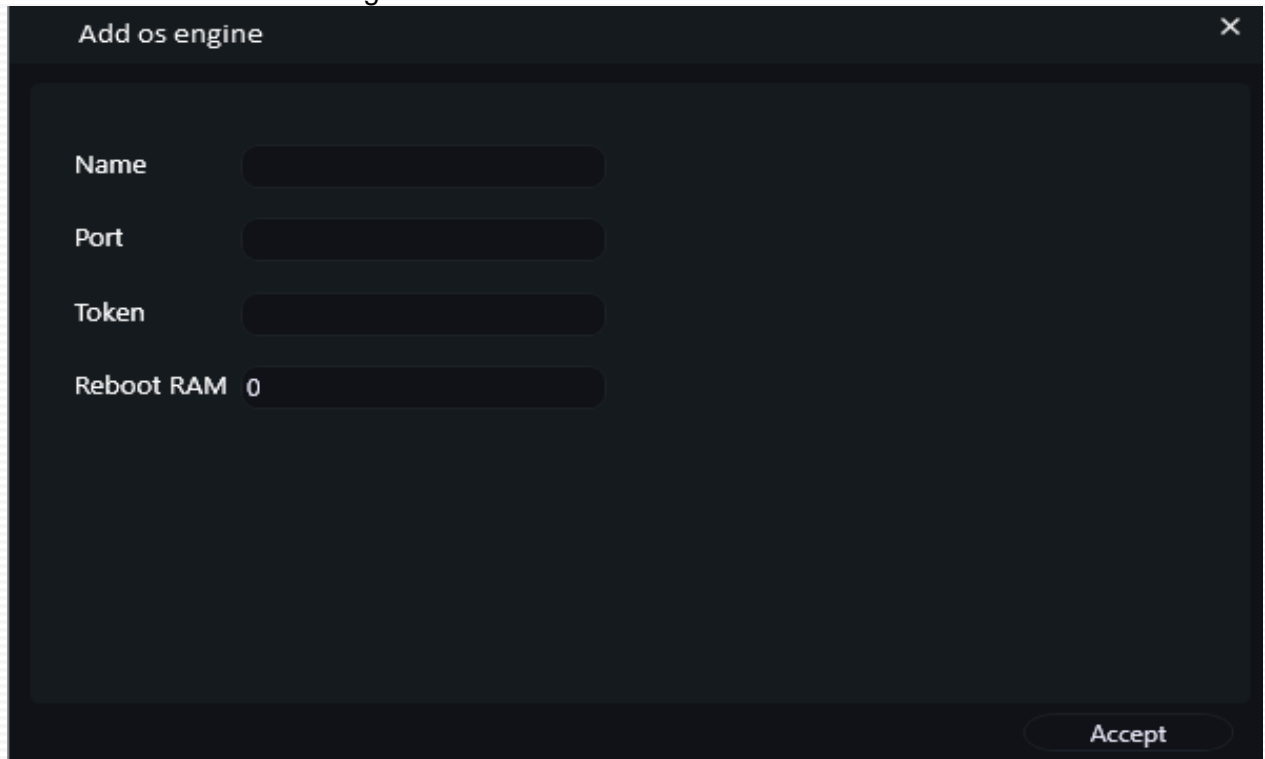
Edit

Delete

Name	State	Token	Port	RAM	Reboot R	CPU	
OsEngine1	Connect	01cee002-e3d3-4e54-b980-1dd391cbdf8c	555	109,5	1000	0	Reboot

5. Admin panel

The terminal is added through the form



Add os engine

Name

Port

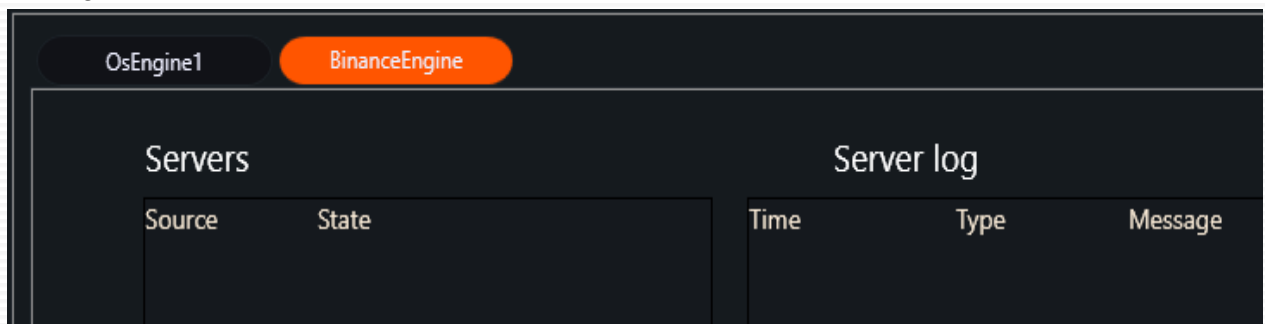
Token

Reboot RAM

Accept

All fields are required, the name cannot start with a number, the port and token are taken from the terminal access settings, which we discussed above in the 4th chapter. Reboot RAM - the amount of RAM, if exceeded, the terminal on the client will be forced to restart. For this option to work, the terminal must be added to the wizard tracked table. A similar situation with the Reboot button.

All the rest under the client's tabs contain a dynamic number of inner tabs equal to the number of OsEngine instances added to the client.



OsEngine1 BinanceEngine

Servers

Source	State
--------	-------

Server log

Time	Type	Message
------	------	---------

5. Admin panel

Servers

Admin panel

Overview Clients Settings

Bill Add Delete

OsEngine1 BinanceEngine

Servers

Source	State
Finam	Connect
Binance	Disconnect

Server log

Time	Type	Message
28.12.20 13:38:43	System	Connection lost
28.12.20 13:38:43	System	Connection activation procedure started
28.12.20 13:33:43	System	Connection lost
28.12.20 13:33:43	System	Connection activation procedure started
28.12.20 13:28:43	System	Connection lost
28.12.20 13:28:42	System	Connection activation procedure started
28.12.20 13:23:44	System	Connection lost
28.12.20 13:23:43	System	Connection activation procedure started
28.12.20 13:18:43	System	Connection lost
28.12.20 13:18:43	System	Connection activation procedure started
28.12.20 13:13:42	System	Connection lost
28.12.20 13:13:42	System	Connection activation procedure started

Main Servers Robots All positions Portfolio Orders

Everything is simple here, on the left is a list of servers, their status, on the right is the log of the selected one.

Robots

Admin panel

Overview Clients Settings

Bill Add Delete

OsEngine1 BinanceEngine

Robot	System	Status	Comment
Bollinger		Danger	
Log	Candle update time	Danger	No data
Params	Log	Ok	No error messages
	Positions	Ok	No error messages
Max: 1	Current pos count: 1	Ok	
Max: 3	Netto lots: 1	Ok	
Power trade		Danger	

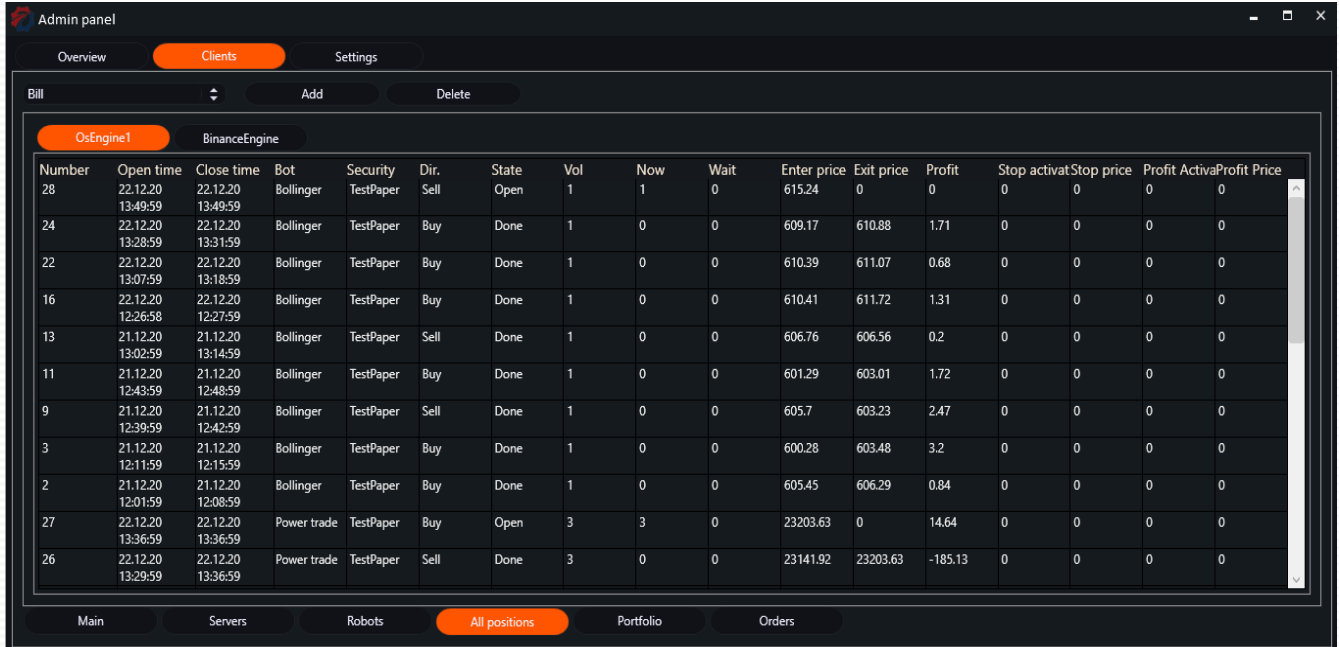
Main Servers Robots All positions Portfolio Orders

5. Admin panel

- Log button - shows the bot's log
- Params – bot parameters, if any
- Candle update time – time elapsed since the last candle update, if the delay is more than a minute - Danger status
- CPU – free CPU time on the client
- Log – are there errors in the log
- Positions – if the robot detects positions with the Closing, Opening, ClosingFall, ClosingSurplus status for more than a minute - the Error status
- Current pos count – number of open positions, if more than specified in Max - Danger status
- Netto lots – the number of lots opened by the bot, if more than specified in Max - Danger status

All positions

Positions of all bots of the selected OsEngine instance in one table. The data can be sorted by any column.



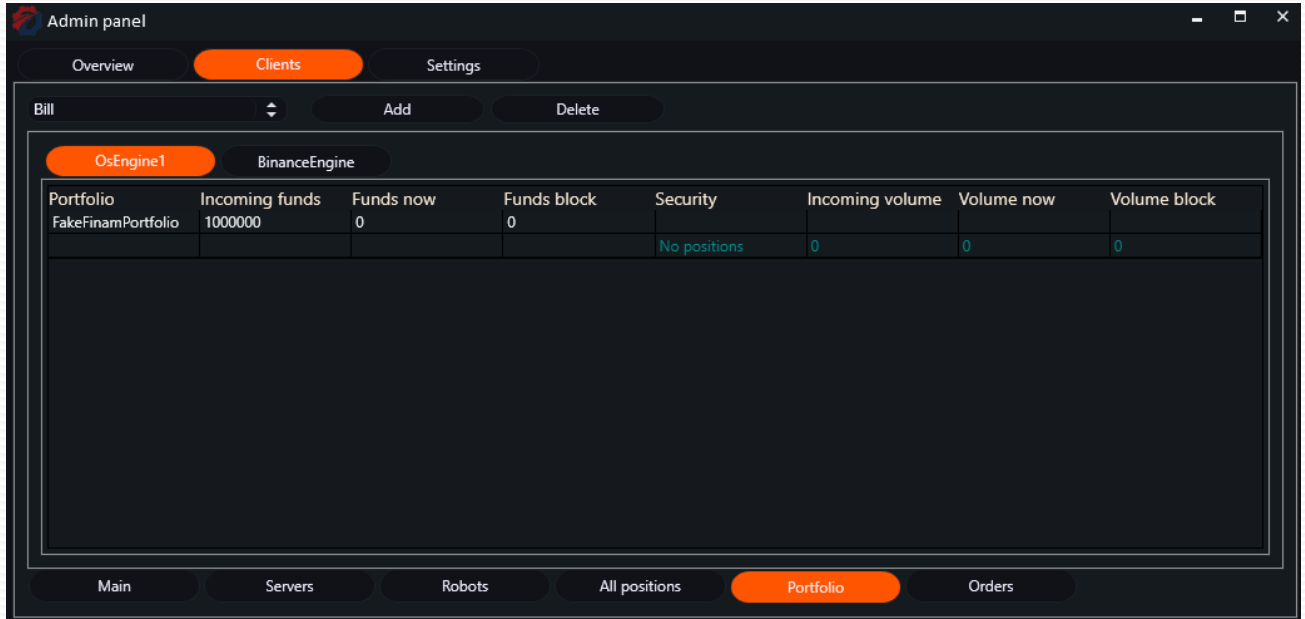
The screenshot shows the 'Admin panel' window with the 'Clients' tab selected. Under the 'OsEngine1' instance, the 'BinanceEngine' bot is active. The 'All positions' table displays the following data:

Number	Open time	Close time	Bot	Security	Dir.	State	Vol	Now	Wait	Enter price	Exit price	Profit	Stop activat	Stop price	Profit Activa	Profit Price
28	22.12.20 13:49:59	22.12.20 13:49:59	Bollinger	TestPaper	Sell	Open	1	1	0	615.24	0	0	0	0	0	0
24	22.12.20 13:28:59	22.12.20 13:31:59	Bollinger	TestPaper	Buy	Done	1	0	0	609.17	610.88	1.71	0	0	0	0
22	22.12.20 13:07:59	22.12.20 13:18:59	Bollinger	TestPaper	Buy	Done	1	0	0	610.39	611.07	0.68	0	0	0	0
16	22.12.20 12:26:58	22.12.20 12:27:59	Bollinger	TestPaper	Buy	Done	1	0	0	610.41	611.72	1.31	0	0	0	0
13	21.12.20 13:02:59	21.12.20 13:14:59	Bollinger	TestPaper	Sell	Done	1	0	0	606.76	606.56	0.2	0	0	0	0
11	21.12.20 12:43:59	21.12.20 12:48:59	Bollinger	TestPaper	Buy	Done	1	0	0	601.29	603.01	1.72	0	0	0	0
9	21.12.20 12:39:59	21.12.20 12:42:59	Bollinger	TestPaper	Sell	Done	1	0	0	605.7	603.23	2.47	0	0	0	0
3	21.12.20 12:11:59	21.12.20 12:15:59	Bollinger	TestPaper	Buy	Done	1	0	0	600.28	603.48	3.2	0	0	0	0
2	21.12.20 12:01:59	21.12.20 12:08:59	Bollinger	TestPaper	Buy	Done	1	0	0	605.45	606.29	0.84	0	0	0	0
27	22.12.20 13:36:59	22.12.20 13:36:59	Power trade	TestPaper	Buy	Open	3	3	0	23203.63	0	14.64	0	0	0	0
26	22.12.20 13:29:59	22.12.20 13:36:59	Power trade	TestPaper	Sell	Done	3	0	0	23141.92	23203.63	-185.13	0	0	0	0

5. Admin panel

Portfolios

Portfolios of all connected servers of the selected terminal.



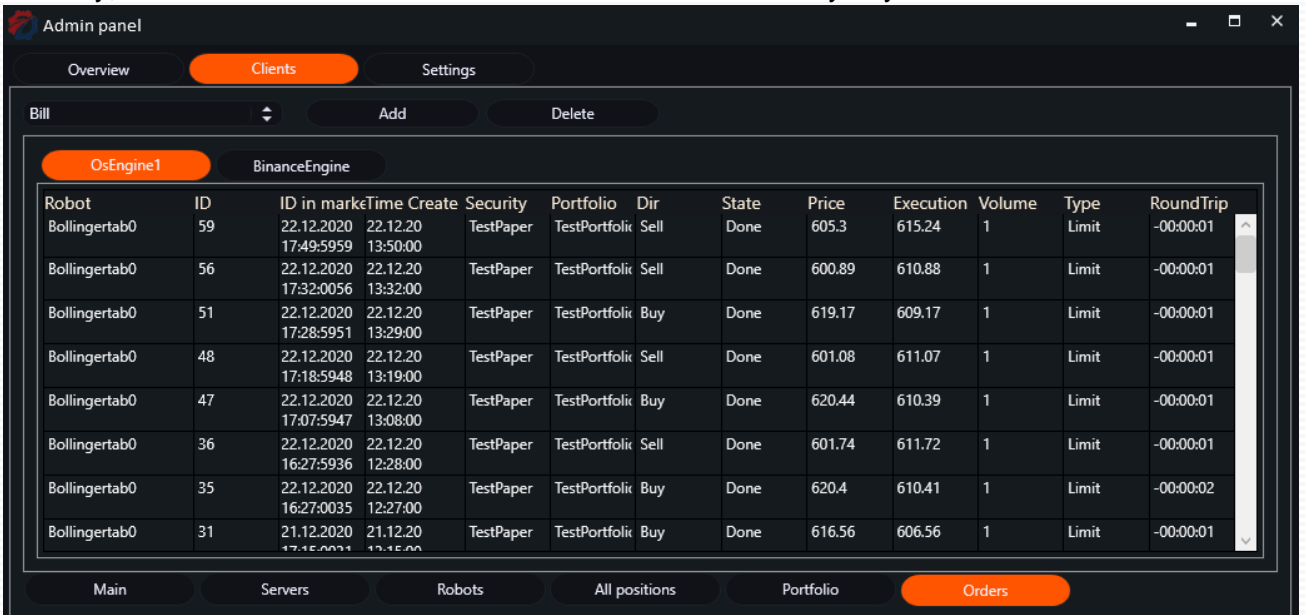
The screenshot shows the 'Admin panel' window with the 'Clients' tab selected. Under the 'OsEngine1' sub-tab, the 'Portfolio' section is active. It displays a table with the following data:

Portfolio	Incoming funds	Funds now	Funds block	Security	Incoming volume	Volume now	Volume block
FakeFinamPortfolio	1000000	0	0	No positions	0	0	0

The bottom navigation bar includes buttons for Main, Servers, Robots, All positions, Portfolio (selected), and Orders.

Orders

Actually, all orders of the selected terminal can also be sorted by any of the columns.



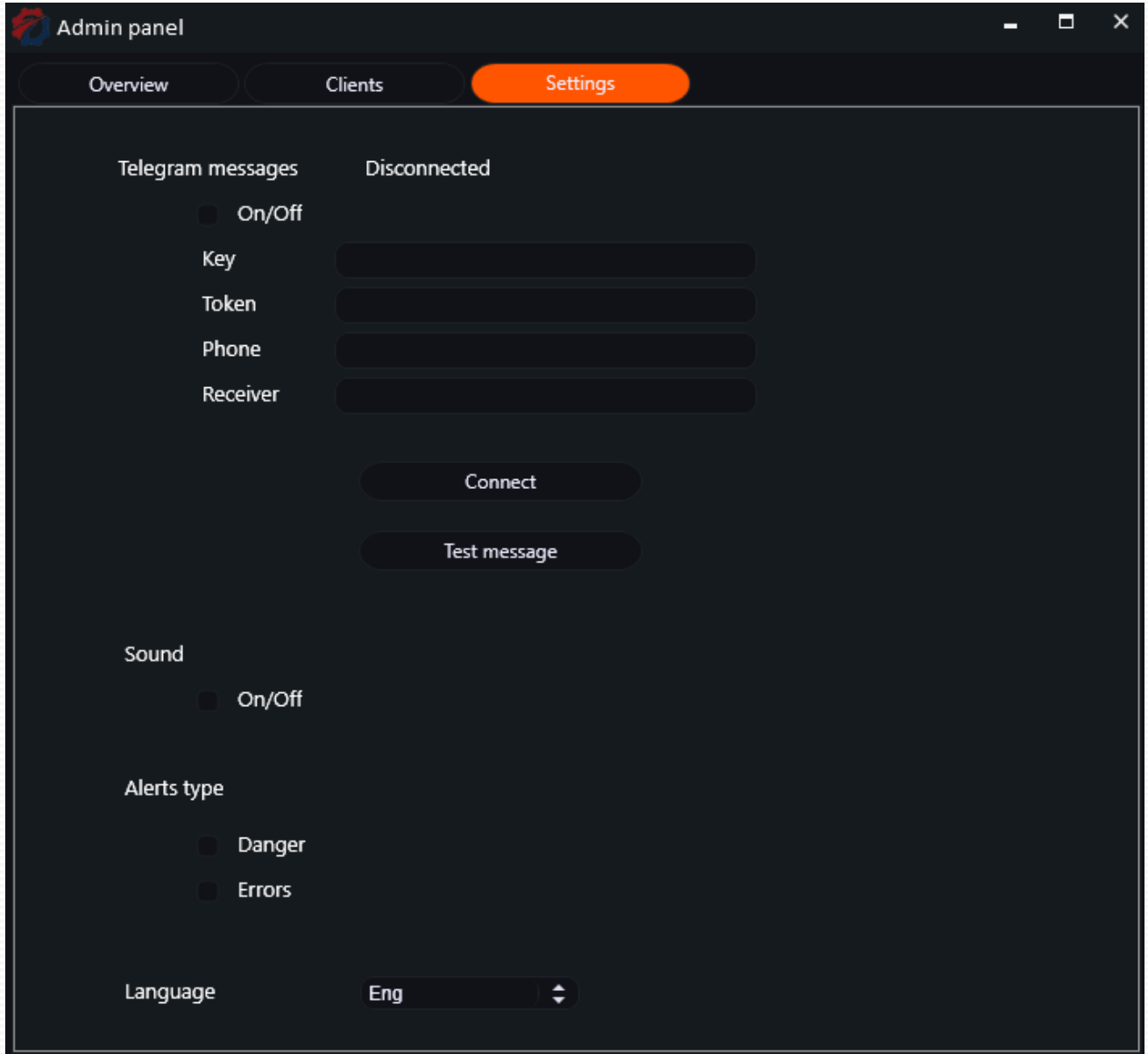
The screenshot shows the 'Admin panel' window with the 'Clients' tab selected. Under the 'OsEngine1' sub-tab, the 'Orders' section is active. It displays a table with the following data:

Robot	ID	ID in market	Time Create	Security	Portfolio	Dir	State	Price	Execution	Volume	Type	RoundTrip
Bollingertab0	59	22.12.2020 17:49:5959	22.12.20 13:50:00	TestPaper	TestPortfolio	Sell	Done	605.3	615.24	1	Limit	-00:00:01
Bollingertab0	56	22.12.2020 17:32:0056	22.12.20 13:32:00	TestPaper	TestPortfolio	Sell	Done	600.89	610.88	1	Limit	-00:00:01
Bollingertab0	51	22.12.2020 17:28:5951	22.12.20 13:29:00	TestPaper	TestPortfolio	Buy	Done	619.17	609.17	1	Limit	-00:00:01
Bollingertab0	48	22.12.2020 17:18:5948	22.12.20 13:19:00	TestPaper	TestPortfolio	Sell	Done	601.08	611.07	1	Limit	-00:00:01
Bollingertab0	47	22.12.2020 17:07:5947	22.12.20 13:08:00	TestPaper	TestPortfolio	Buy	Done	620.44	610.39	1	Limit	-00:00:01
Bollingertab0	36	22.12.2020 16:27:5936	22.12.20 12:28:00	TestPaper	TestPortfolio	Sell	Done	601.74	611.72	1	Limit	-00:00:01
Bollingertab0	35	22.12.2020 16:27:0035	22.12.20 12:27:00	TestPaper	TestPortfolio	Buy	Done	620.4	610.41	1	Limit	-00:00:02
Bollingertab0	31	22.12.2020 17:15:0031	22.12.20 12:15:00	TestPaper	TestPortfolio	Buy	Done	616.56	606.56	1	Limit	-00:00:01

The bottom navigation bar includes buttons for Main, Servers, Robots, All positions, Portfolio, and Orders (selected).

5. Admin panel

Settings



The screenshot shows a web application window titled "Admin panel" with a dark theme. It features three tabs: "Overview", "Clients", and "Settings" (which is highlighted in orange). The "Settings" tab contains several sections:

- Telegram messages**: A section with a "Disconnected" status. It includes an "On/Off" toggle (currently off), and input fields for "Key", "Token", "Phone", and "Receiver". Below these fields are two buttons: "Connect" and "Test message".
- Sound**: A section with an "On/Off" toggle (currently off).
- Alerts type**: A section with two radio buttons: "Danger" and "Errors".
- Language**: A section with a dropdown menu currently set to "Eng".

To be able to connect telegram mailing, you need to register using the link <https://my.telegram.org/apps> and get **App api_id** and **App api_hash** there, this is our key and token. In the phone field, enter the number with the linked account, in the recipient - the recipient's number. We press to connect, a confirmation code will be sent to the specified phone, enter it for confirmation, ready. Further, check boxes for sound notification and a choice of types of alerts.