

# Server Monitor Suite v1

## Free server monitoring with Telegram notifications

Voluntary reward - if you saved the server, if you liked it,  
support the project ( treat me to coffee )

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### What is this?

Server Monitor Suite is a system of applications for Windows and Android that constantly monitors your server and instantly notifies you via Telegram if anything goes wrong.

### System requirements

- Windows 10/11 for server
- Telegram for notifications

The server part ( `server_monitor.exe` ) runs as a Windows service - it starts automatically even if you are not logged in.

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### Key Features

| What is watching?        | What does it do?                                  | How does it notify?                                   |
|--------------------------|---|---|
| CPU (processor)          | If load > X% for more than Y seconds<br>→ alarm   | Telegram: "High CPU load: 95% for 15 seconds!"        |
| Network (Internet)       | If speed > X Mbps for more than Y seconds → alarm | Telegram: "High traffic: 120 Mbps ↓ in 10 seconds!"   |
| Drives (C:, D:, E:)      | If free < X% → alarm                              | Telegram: "Drive D:\ — 12% remaining (threshold 15%)" |
| Reboot the system        | Detects reboot                                    | Telegram: "The server rebooted at 2:32 PM."           |
| Shutting down the server | Detects shutdown                                  | Telegram: "Server shut down at 11:59 PM"              |

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Telegram notifications are instant and smart

No spam: repeat alerts only once every N minutes (configurable)

Test message: "Test Telegram" button — directly to chat

Beautiful emoji: easily distinguish the type of event

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### Customizable to your server

| Parameter                         | What can be changed                           |
|-----------------------------------|---|
| CPU, network, and disk thresholds | From 0 to 100% / 10000 Mbps                   |
| Retention time (seconds)          | How long does it have to last for it to work? |
| Pause between notifications       | From 1 minute to 24 hours                     |

|                 |                                       |
|-----------------|---------------------------------------|
| Server port     | 1024–65535 (for security)             |
| Client password | Hashed, secure                        |
| Server name     | DC-01, VPS- Paris - whatever you like |

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### Clients (already there!)

| Platform   | What can it do?  |
|--|--|
| Android ( Flutter : server_monitor-1.0.2+24.apk )  | Multi-server dashboard:<br>statistics, graphs.   |
| Windows (Python: client.exe )                      | Full control and configuration of the current server:<br>statistics, graphs, settings, restart |
| Windows ( Flutter : client_f.exe - in development) | Full control and configuration of the current server:<br>statistics, graphs, settings, restart |

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### Safety

JWT tokens: access (1 hour) + refresh (7 days)

Automatic token renewal - no need to log in every time

The password is hashed (bcrypt) and is not stored in clear text.

Only authorized clients can change settings.

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### Restart the server with one button

Change the port → click "Save"

The program will automatically restart the service via nssm

Automatically connects to a new port (up to 60 seconds of waiting)

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### Runs as a Windows service

cmd

nssm install ServerMonitor "D:\ServerMonitor\server\_monitor.exe" service

Runs when Windows starts

Works in the background

No login required

Logs in stderr.log

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### For free.

No subscriptions

No hidden fees

The source code is open (upon request)

Voluntary reward - if I saved you nerves and time

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## How to start?

### Step 1: Download the app

Download everything at:

[https://github.com/engine1c/ServerMonitorSuite/tree/main/ServerMonitorSuite%20\\_v1](https://github.com/engine1c/ServerMonitorSuite/tree/main/ServerMonitorSuite%20_v1)

### Step 2: Expand to the desired folder

```
D:\ServerMonitor\  
└── install_server_monitor.bat  
└── manage_server_monitor.bat  
└── uninstall_server_monitor.bat  
└── client.exe ~ 70 MB  
└── server_monitor.exe ~ 15 MB — light as a feather  
└── config_server_monitor.ini  
└── logs \ (folder)  
└── nssm\ (folder)  
└── stderr.log
```

Recommended: D:\ServerMonitor\ — simple and reliable

### Step 3: Run install\_server\_monitor.bat or manage\_server\_monitor.bat

First launch - quick setup

Enter the client password  
(make up any password - it will be hashed)

Turn on Telegram notifications

Create a bot: [@BotFather](#) → /newbot

Run client.exe : configure Telegram settings ...

Copy the token → paste

Launch the bot → click Start → copy the chat\_id (or use [@userinfobot](#))

... thresholds and control triggers.

CPU: 80% → alert

Drive C:: 25% free → alert

Network: 50 Mbps → alert

Click "Save"

Plans :

In the app → "Check Telegram"

You will receive:

Server Monitor - Test: OK / App NAME: Server Monitor / App Ver: 1.0.0

Open Telegram – the message has arrived!

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**Control servers from any Android device ( Android 7.0 – 15.0 )!**

Download and install server\_monitor - x.x.x +xx.apk – this application is completely safe: its only purpose is to retrieve data from servers and display CPU/ Network/ Disk usage graphs . While viewing the graphs, the data is stored in a MySQL database .

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### **Why is Server Monitor a must-have?**

Feature

Benefit

Autostart as a service

Works 24/7, even without logging into Windows

Telegram notifications

No need to check - it will come to the chat

Smart alerts

No spam - only important stuff

Safety

JWT + bcrypt — just like at a bank

Restarting a port with one button

Changed 5000 → 5001? The server will restart automatically.

Logs in stderr.log

Everything is transparent, everything is under control.

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### **Support the project?**

If the app saved your server, buy them a coffee.

**USDT (TRC20): TS3VUHL9kAGRcidcnFQKGRdLUn3MmsKy1P**

**TON: UQBf3znVtxGkh-y6Pyagwm7lHZcpt7pr5idH8gAppWICrJVu**

Thank you! Your support = new features !

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**P.S. Coming soon:**

**Expanded server functionality: new triggers, more indicators!**

**Expanding the functionality of the Android application (notifications + charts)**

**Logging on the metrics server – to view server events.**

Web interface (via browser) - under discussion

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**Server Monitor — your server under control. Always.**

**Free. With passion. With Telegram.**