



OsMonitor

On-Premise Employee Monitoring Software for Windows

Product Whitepaper & Quick Installation Guide

Monitor. Protect. Improve Productivity.

100% On-Premise • No Cloud Storage • No Monthly Fees • No Account Required

Trusted by businesses globally since 2007

Official Website: <https://www.os-monitor.com>

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OsMonitor Server - Trial Version IP:192.168.40.162

Live Monitoring Screenshot View Camera Feed Historical Logs

Computer Name	IP Address	MAC Address	Remark	Group	Connected At	Status	Download	Upload
DESKTOP-HENRY	192.168.40.162	00:0C:29:2F:5E:91	Henry	Default group	12:29:47	Monitoring	2,93 KB/s	1,62 KB/s
Mike	192.168.40.101	00:0C:29:1A:3B:7C	Mike	Office	12:28:15	Monitoring	1,25 KB/s	0,74 KB/s
SALES-LAPTOP-02	192.168.40.102	00:0C:29:4D:8E:21			12:27:09			
HR-DESKTOP-03	192.168.40.103	00:0C:29:7F:2C:10			12:26:33			
DEV-SERVER-01	192.168.40.104	00:0C:29:9B:6E:44			12:25:10			
FINANCE-PC-01	192.168.40.105	00:0C:29:AC:1D:33			12:24:02			
MARKETING-LAPTOP	192.168.40.106	00:0C:29:EF:3A:48			12:23:18			
SUPPORT-PC-02	192.168.40.107	00:0C:29:11:9F:5B			12:22:41			
DESKTOP-LOBBY	192.168.40.108	00:0C:29:55:AA:77			12:21:05			

Mike Remote Desktop

[Mike] Edit Remark
[Mike] Manage Group
[Mike] Live Screen View
[Mike] Remote Desktop
[Mike] Send Message
[Mike] Installed Programs
[Mike] Running Processes
[Mike] System Information
[Mike] Restart
[Mike] Shut Down
[Mike] Stop Monitoring
[Mike] Start Monitoring
[Mike] Exit Client (Keep Startup)

OsMonitor Server - Trial Version IP:192.168.40.162

Live Monitoring Screenshot View Camera Feed Historical Logs

Computers & Users

- Default group
 - DESKTOP-HENRY
- Office
 - Mike (OFFICE-PC-01)
 - Mary (OFFICE-PC-02)
- Sales
 - James (SALES-LAPTOP-02)
 - Jennifer (SALES-PC-03)
- HR
 - Robert (HR-DESKTOP-03)
 - Linda (HR-PC-04)
- IT
 - Michael (DEV-SERVER-01)
 - William (SUPPORT-PC-02)
- Marketing
 - David (MARKETING-LAPTOP)
 - Sarah (MARKETING-PC-02)

Mike - User Analytics

2024/5/1 → 2024/5/7

Top Applications

chrome.exe	46%
outlook.exe	18%
excel.exe	13%
word.exe	9%
teams.exe	7%
Other	7%

Most Used Applications

Application	Total Time
chrome.exe	460 minutes
outlook.exe	180 minutes
excel.exe	130 minutes
word.exe	90 minutes
teams.exe	70 minutes

View all applications >

Top Websites

google.com	32%
youtube.com	21%
github.com	12%
stackoverflow.com	11%
reddit.com	8%
Other	16%

Most Visited Websites

Website	Total Time
google.com	320 minutes
youtube.com	210 minutes
github.com	120 minutes
stackoverflow.com	110 minutes
reddit.com	80 minutes

View all websites >

1. Executive Summary

OsMonitor is a powerful on-premise employee monitoring software built strictly for Windows. From a single manager PC, administrators can monitor and control all employee computers across the company — tracking live screens, web browsing, application usage, and chat history, while instantly blocking non-work websites, unauthorized applications, and USB drives.

Unlike cloud-based SaaS monitoring tools, OsMonitor keeps 100% of your data on your own server inside your local network. There is no cloud storage, no monthly subscription, and no account registration required — giving your organization total control over internal data security and privacy compliance.

- **Monitor** — Monitor employee screens, apps, websites, chats, and USB activity from one central console
- **Restrict** — Restrict and control what employees cannot do: block websites, unauthorized applications, and USB drives
- **On-Premise** — All data stays securely on your own server, never uploaded to the cloud

The entire software package is under 6 MB, making it possibly the most lightweight on-premise employee monitoring system on the market — with zero external libraries or heavy frameworks, and no impact on employee PC performance.

2. Product Overview

2.1 What Is OsMonitor?

OsMonitor is on-premise employee monitoring software designed for organizations that want to monitor employee computers without sending sensitive logs to a third-party SaaS platform. It provides complete visibility into daily computer activity — what employees are doing, which websites they visit, which applications they use, and how company data is handled — together with enforcement tools that let managers restrict prohibited behavior in real time.

2.2 Key Differentiators

Attribute	Details
Deployment	100% on-premise / self-hosted; works fully on LAN, including air-gapped networks with no internet
Footprint	Ultra-lightweight — the entire system is less than 6 MB
Cost Model	One-time license — no monthly fees, no recurring SaaS subscriptions
Accounts	No cloud account or registration required
Platform	Windows 10, Windows 11, and Windows Server environments
Safety	Tested and whitelisted by leading antivirus providers (Microsoft Defender, Avast, Bitdefender, Symantec); verified by Microsoft Store

Agent Protection

Tamper-proof agent — employees cannot stop or uninstall the client without an admin password

3. Architecture: Manager Server & Employee Clients

OsMonitor uses a simple and stable local deployment model. No complex web services or databases are required — for networks of fewer than 50 computers, any regular Windows 10 or Windows 11 PC can act perfectly as the Manager Server.

Manager Server (Central Console)

- Installed on the manager or administrator PC. In most cases, only one central server is needed.
- Displays live screens, screenshots, camera feeds, historical logs, and productivity analytics.
- Enforces blocking policies (websites, applications, USB devices) and manages employee groups.

Employee Client (Agent)

- Installed on employee computers; lightweight and optimized for daily Windows use.
- Runs in the background in stealth or visible mode, depending on company policy (including optional tray icon display).
- Connects to the Manager Server over the local network using the server IP address.

Deployment Flow

Manager Server → note server IP → install Client Agent on each employee PC with the server IP → clients appear instantly in the Manager console → centralized monitoring and control begin.

4. Core Monitoring Features

4.1 Real-Time Screen Monitoring & Playback

See exactly what employees are doing on company computers with real-time screen monitoring for Windows PCs, and review historical screen activity when needed.

- Multi-Screen View — monitor multiple employee screens at the same time
- Screen History Playback — replay past on-screen actions for auditing and review
- Live Webcam View — add visual workplace awareness when required
- Fast Deployment — easy to install and simple for managers to use

4.2 Website, Application & Chat Monitoring

Control how company computers are used during working hours. Track websites, applications, and chat tools to reduce distractions and enforce acceptable use policies.

- Website Filtering — block or allow websites based on company rules (e.g., social media, video, shopping, gaming, webmail, cloud storage)

- Application Control — limit unauthorized software and non-work apps
- Chat Logging — monitor WhatsApp, Microsoft Teams, WeChat, Line, Skype, and more
- Violation Alerts — receive alerts when restricted websites or apps are opened

4.3 USB Control & Data Loss Prevention

Protect company data from internal leaks and unauthorized transfers. Monitor file operations, manage USB devices, and keep sensitive information under control.

- USB Device Control — block unknown USB drives or allow read-only mode; block WPD devices (phones), mobile sync software, and Wi-Fi software
- File Activity Logs — record file copy, creation, deletion, and transfer behavior
- Automatic Backup — silently back up important Office files (*.DOC, *.XLS, *.PPT, *.WPS, etc.) to the server on a schedule
- Keyword Alerts — detect suspicious words in chats, filenames, or user activity

4.4 Productivity Reports & Remote Administration

Turn monitoring data into practical management insights — analyze time usage, identify productivity patterns, and manage company computers remotely from one place.

- Time Analysis — measure time spent on work-related and non-work activities
- Productivity Reports — review website and application usage trends with charts and rankings
- Remote Administration — remotely view live screens, access employee computers for IT assistance, send messages, view installed programs and running processes, and restart or shut down PCs
- Role-Based Access — assign permissions for HR, managers, or IT staff

5. Security, Privacy & Compliance

- Local Data Storage — all monitoring data is stored on your own server inside your company network; nothing is uploaded to a third-party cloud platform.
- Data Sovereignty — OsMonitor functions perfectly as a secure LAN monitor in air-gapped networks with no internet access required.
- Internal Control — ideal for productivity management, internal auditing, and data leak prevention.
- Predictable Costs — avoid monthly cloud subscriptions with a one-time on-premise license.
- Trusted Software — tested and whitelisted by Microsoft Defender, Avast, Bitdefender, and Symantec, and verified by the Microsoft Store.

6. Why Choose OsMonitor

Advantage	Benefit
On-Premise Control	Greater control over privacy, compliance, and internal data security than cloud-based tools.

Windows-Focused	Designed specifically for Windows PCs and Windows Server environments, with 15+ years of core Windows optimization.
Ultra-Lightweight	Under 6 MB, with minimal resource usage — no performance impact on employee PCs.
No Recurring Fees	No monthly SaaS subscriptions; long-term costs stay predictable.
Tamper-Proof	Employees cannot stop or uninstall the client agent without an admin password.
5-Minute Deployment	A simple software installation — no complex web services or databases to configure.

7. System Requirements & Deployment

7.1 Requirements

- Operating System: Windows 10 / Windows 11 / Windows Server
- Network: Local area network (LAN); internet not required after download
- Server: Any regular Windows 10/11 PC is sufficient for monitoring up to 50 computers
- No external databases, web services, or frameworks required

7.2 Installation Options for the Manager Server

- Run the unified installer (OsMonitorSetup15.exe) and select “Install OsMonitor Manager”.
- Install directly via the Microsoft Store (verified by Microsoft).
- Command-line deployment for IT administrators via Windows Package Manager:

```
winget install NanJingWangYa.OsMonitor
```



OsMonitor

On-Premise Employee Monitoring Software for Windows

Monitor. Protect. Improve Productivity.

100% On-Premise • No Cloud Data • Full Data Control

ULTRA LIGHTWEIGHT

< 6 MB

Low Resource Usage
No Performance Impact

WHITELIST TESTED BY MAJOR ANTIVIRUS SOFTWARE

CLEAN • SAFE • TRUSTED

The banner features a large eagle logo on the left. In the center, a desktop monitor displays the OsMonitor software interface, which includes a dashboard with various charts and a list of monitored devices. To the right of the monitor is a laptop, also displaying the software. The background is a dark blue gradient with a faint Windows logo on the right.

8. Quick Installation Guide (5 Minutes)

This guide ensures a smooth, 5-minute deployment of OsMonitor within your secure local network. The unified installation package contains both the Manager Server and the Client Agent.

Step 1 — Download the Software Package

Download the unified OsMonitor installation package from the official website (<https://www.os-monitor.com>). This ultra-compact file (less than 6 MB) contains both the Manager Server and the Client Agent. No registration or credit card is required.

Step 2 — Install the Manager Server

The Manager Server is your central hub for overseeing the network. No internet connection or cloud accounts are needed.

1. Run the OsMonitorSetup15.exe you just downloaded.
2. Select “Install OsMonitor Manager” and complete the instant setup.

Step 3 — Note Your Server IP Address

Launch the Manager. Your local IP address is displayed in the window title bar (e.g., “OsMonitor Server – Trial Version IP:192.168.40.162”). You will need this address to connect your monitoring agents.

Tip: If multiple IPs are shown, the first one is usually correct. If a client cannot connect, try the other candidate IPs listed in the title bar.

Step 4 — Deploy the Monitoring Client

Run the same installer on each target (employee) computer. Once installed, the client agent operates in the background — in stealth or visible mode depending on your company policy.

3. Run the installer and select “Install OsMonitor Client (Agent)” on the target computer.
4. Enter the Server IP address from Step 3 to connect to your console (e.g., 192.168.40.162), then complete the installation.

Step 5 — Centralized Monitoring

Return to your Manager Server. The new computer will appear in the console instantly. You can now oversee your entire network in real time:

- Live Monitoring — real-time screens of all employee computers
- Screenshot View — browse captured screenshots
- Camera Feed — live webcam view where permitted
- Historical Logs — websites, applications, chats, file activity, and blocking logs
- Remote Control — remote desktop, send message, view installed programs and running processes, restart / shut down, start / stop monitoring
- User Analytics — top applications, top websites, and time-usage reports

 **Congratulations!**

Your OsMonitor deployment is complete. Explore all powerful features directly from your console.

9. Frequently Asked Questions

Q: Is OsMonitor cloud-based?

A: No. OsMonitor is an on-premise employee monitoring software solution. Your monitoring data is stored on your own server, not on a third-party cloud platform.

Q: Does OsMonitor work on Windows 11?

A: Yes. OsMonitor is designed for Windows environments, including Windows 11, Windows 10, and Windows Server deployments.

Q: I installed the Server and Client, but I cannot see my employees' computers. Why?

A: First, ensure you entered the correct Server IP address on the employee computer. Then, verify that the Windows Firewall on the Server PC allows TCP ports 7211, 7212, and 7213. You can run the command `telnet <Your_Server_IP> 7211` from the employee PC to test the connection.

Q: Is OsMonitor suitable for businesses that want local deployment?

A: Yes. OsMonitor is built for businesses that prefer self-hosted, local-network deployment instead of SaaS-based monitoring tools.

Q: Does OsMonitor only work on a LAN?

A: No. You can install the OsMonitor Server on a cloud-based Windows Server (such as AWS, Azure, or Alibaba Cloud). Important Note: In this case, when you install the employee client, you must enter your cloud server's Public IP address, not the internal IP shown in the OsMonitor Server title bar. Also, please remember to allow TCP ports 7211, 7212, and 7213 in your cloud server's security group/firewall settings.

Q: Do I need a dedicated server or database?

A: No. If you are monitoring fewer than 50 computers, any regular Windows 10 or Windows 11 PC can run perfectly as your Manager Server. No complex web services or databases are required.

Q: Can employees disable the monitoring client?

A: No. The agent is tamper-proof — employees cannot stop or uninstall the client without an admin password.

Q: Is the software safe to install?

A: Yes. OsMonitor has been tested and whitelisted by leading antivirus providers, including Microsoft Defender, Avast, Bitdefender, and Symantec, and has passed Microsoft's strict compliance reviews (Microsoft Store verified).

10. Get Started

Ready to monitor employee computer activity? Download the fully functional free trial today.

- Instant Download — no registration required
- No Credit Card Needed
- Official Website: <https://www.os-monitor.com>

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