

5 Best Open Source and Free Monitoring Tools in 2021

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Monitoring is vital for organizations to ensure that the desired gadget is up and working. Monitoring various components of the IT infrastructure may be a pain and can lead to a slew of problems if not done correctly. Open Source network monitoring software is designed to identify network issues that cause frequent mistakes. You receive a clear image of the apps and services running on your network, and you can simply track their performance. As a result, open source network monitoring tools aid in the monitoring of applications and individual nodes for indicators of outages that could degrade network performance. The software guarantees that connected systems are fully protected and that the network runs smoothly. In this article, we are going to discuss about Top 5 Open Source Tool for monitoring Server. These tools help monitor individual nodes and applications for signs of poor performance.

Introduction

Open source network reveal equipment fast enhance an alarm via emails, pager, and different notifications. You can by no means make certain if the safety gadgets at the networking gadget are operating correctly with inside the absence of tracking software program.

Network tracking software program assesses the issues happening to your hardware and software program gadget to save you outages. Regardless of the dimensions of the company, one can't forget about the want for Server, community and infrastructure tracking. All cutting-edge cloud and on-premise infrastructure include sturdy tracking solutions. Sometimes it's far clever to utilize default tracking structures that include the infrastructure providers. However, opensource tracking equipment issuer a whole lot of capability to reveal your infrastructure components.

Following are the important thing regions on the subject of tracking: real-time Server Monitoring, Network Performance tracking, field Monitoring, Cloud Infrastructure tracking and alertness tracking. A tracking software program must be: Scalable, capable of manage and method big quantities of tracking data, accumulate gadget/utility metrics in real-time, quite available, help all cutting-edge cloud and containerized applications, help metric visualization equipment and still have an excellent user-pleasant interface.

What is Open Source in Network Montoring?

Open-source network monitoring refers to the use of usually free or low-price software

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program constructed to display not unusual place community issues to apprehend the basis purpose of community errors. But the software program isn't simply loose—open-supply tracking software program is circulated beneathneath a licensing agreement, so its code may be viewed, shared, and changed via way of means of customers and companies alike. For an open-supply platform, functionalities are simplest restrained to the assisting supply code.

Since contributions to open-supply software program may be crafted from a big range of builders across the world, the integrated network guide lets in many open-supply tracking equipment to evolve. Open-supply answers have the capability to enhance their capabilities and services through the years as increasingly more human beings start the use of them. While many open-supply equipment are loose, a few are supported via way of means of donation, many have vital add-on capabilities in the back of a paywall, and others are restrained variations of greater sturdy paid answers. Open-supply equipment encompass each cloud computing structures and downloaded applications.

Need for Network Monitoring Tool

Network monitoring tools are vital to maintaining networks because they allow you to keep an eye on devices connected to the network from a central location. These tools help flag devices with subpar performance so you can step in and run troubleshooting to get to the root of the problem.

Running in-depth troubleshooting can minimize performance problems and prevent security breaches. In practical terms, this keeps the network online and eliminates the risk of falling victim to unnecessary downtime. Regular network maintenance can also help prevent outages that could take thousands of users' offline.

A network monitoring tool enables you to:

- Auto discover devices connected to your network
- View live and historic performance data for a range of devices and applications
- Configure alerts to notify you of unusual activity
- Generate graphs and reports to analyze network activity in greater depth

Key areas of Network Monitoring Tool

- Application monitoring
- [Container Monitoring](#)
- Cloud Infrastructure monitoring

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- Network Performance monitoring
- Real-time Server Monitoring.

TOP 5 BEST AND OPEN SOURCE MONITORING TOOLS

Many free and open-source network monitoring tools can be considered when researching monitoring solutions. Now, just take a look at the top 5 open source tools to see which might best meet your needs.

Zabbix

Zabbix is a free and open-source software that was released under the GNU (General Public License) version 2. If you use Zabbix for commercial intent, they may courteously ask you to purchase some level of commercial support.

Zabbix has a smart, highly automated metric collection with advanced problem detection and intelligent alerting & remediation. The best part is that they provide solutions for all kinds of industries. Moreover, they have an appreciating clientele. Zabbix can do Network Monitoring, Server Monitoring, Cloud Monitoring, Application Monitoring and Service Monitoring.

Supported Platforms: Linux, Unix and Windows.

Price to Upgrade: The price is available on request. This network monitoring tool is available under five different plans- Silver, Gold, Platinum, Enterprise and Global.

Nagios Core

Nagios Core is an open-source network monitor that has a web interface for monitoring network performance. Through the user network interface, you can monitor your Current Network Status with your Host Status Totals and Network Service Status Totals broken down at the top of the page. The GUI is color-coded so you can easily see elements that are unavailable or compromised. It can monitor a variety of components including OSS, applications, websites, middleware, web servers, etc.

Supported Platforms: Windows, Linux, Unix, AIX, HP-UX, Solaris, and Mac operating

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systems.

Price to Upgrade: Nagios is available in two different editions: Standard priced at ₹ 1,42,819 and Enterprise, which is priced at ₹ 2,50,201.

Icinga

Icinga is an open-source network monitoring tool that monitors the performance of your network, cloud-service, and data center. The software is web-based and can be configured through the GUI or with the Domain Specific Language (DSL). Having the choice between the two gives you the power to monitor however you want.

There exist a few Icinga modules for very specific monitoring capabilities, like monitoring for VMWare's vSphere cloud environment and business process modeling.

Supported Platforms: Linux, Windows and Unix.

Price to Upgrade: Icinga 2 is available in four premium versions- Starter, Basic, Premium and Enterprise. You can contact us for getting information related to Price to Upgrade.

Cacti

Cacti is a free and open-source platform that offers a complete network graphing solution designed as a front-end application for industry-standard data logging. Besides, it offers one best thing that allows users to examine services at pre-determined intervals and see the results.

However, all these features come packed in an intuitive, web-based, user-friendly interface that can even handle complicated LAN installation with thousands of devices. It acts as a web-based networking monitoring tool that enables you to generate graphs related to relevant network data.

Supported Platforms: Windows and Unix.

Price to Upgrade: LibreNMS is an open source network monitoring tool.

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LibreNMS

LibreNMS uses Simple Network Management Protocol (SNMP), which means the devices it monitors must have SNMP agents installed or enabled. It supports a broad range of operating systems, including Linux and FreeBSD, as well as network devices including Cisco, Juniper, Brocade, Foundry, and Hewlett-Packard, making it among the best open-source SNMP monitoring software available.

Supported Platforms: Apache and Nginx Web Servers.

Price to Upgrade: LibreNMS is an open source network monitoring tool.

Conclusion

We hope this overview of the best open source server monitoring tools were helpful in making your decision on which software package you should try out. In this article, we listed the top 5 monitoring tools have one goal in common is to monitor the uptime and health of your servers and applications. Most of these tools offer free trials or free versions with limited functionality, so make sure to try them out before selecting the best server monitoring tool for your servers.

About the Data Science Foundation

The Data Science Foundation is a professional body representing the interests of the Data Science Industry. Its membership consists of suppliers who offer a range of big data analytical and technical services and companies and individuals with an interest in the commercial advantages that can be gained from big data. The organisation aims to raise the profile of this developing industry, to educate people about the benefits of knowledge based decision making and to encourage firms to start using big data techniques.

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