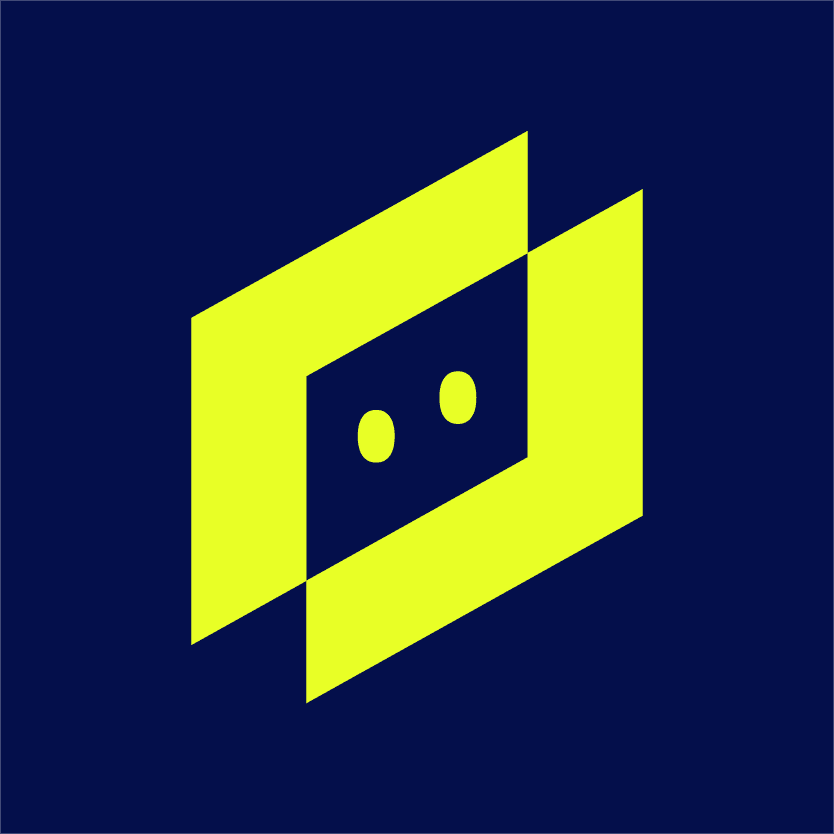
**LogicMonitor**



**Introduction**

A platform for IT infrastructure monitoring and analytics built on the cloud, LogicMonitor offers real-time insight into the functionality of crucial business applications and infrastructure. Users may monitor and assess their whole IT infrastructure, including servers, networks, apps, and cloud environments, using this SaaS (Software as a Service) platform.

The software is made to assist IT specialists in actively monitoring and troubleshooting problems before they have an impact on end users. For optimization, cost reduction, and performance enhancements, it makes recommendations based on machine learning and artificial intelligence.

# **Project Summary**

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| Website | https://www.logicmonitor.com/ |
| Organization/Foundation Name | LogicMonitor |
| License | It is a proprietary software so it does not use any open source license. Instead it is licensed as a subscription based services with customers paying a fee based on the number of devices, servers and services they would monitor |
| Open/Proprietary | It is a proprietary software. |
| Source Path(if open source) | The source code is not available |
| Brief Description | LogicMonitor is a cloud-based platform for monitoring and analyzing IT infrastructure in real-time. It offers comprehensive monitoring of servers, networks, applications and cloud environments and provides intelligent alerting, performance analytics and automation. Logic Monitor helps IT teams to optimize performance, reduce costs and improve reliability and security |

**Project Details**

## **Key Features**

The key features of logic monitor are as follows:

* Automated device detection and configuration
* Dashboard customization
* Alerting and notifications
* Data on past performance
* Cloud-based architecture
* Extensive monitoring
* Integrations
* API access

## **Architecture**

LM Cloud provides a fast, three-step setup wizard that automatically discovers, applies, and scales monitoring for your entire cloud ecosystem. LM Cloud provides seamless and frictionless setup and API-based monitoring of AWS, GCP, and Microsoft Azure environments, and business-critical SaaS applications, such as Office 365, Salesforce, Zoom, or any supported by Atlassian Statuspage.io. LM Cloud allows you to monitor your cloud services alongside your existing monitored infrastructure in LogicMonitor.

## **Current Usage**

* Microsoft Azure :

With LogicMonitor, you can monitor the health and performance of Microsoft Azure on the same platform as the rest of your on-premises infrastructure and obtain an integrated view of all of your systems and applications.

* Kubertness :

With LM Container, you can monitor the entirety of your hybrid infrastructure as well as your Kubernetes-managed container environment and the applications operating within it, all from a single interface. For Kubernetes cluster components (containers, nodes, pods, and services), container health, and application performance, get automated monitoring and pre-configured alert levels.

* Cisco ASA Firewall :

Your PIX and ASA routers can be easily monitored and verified to be operating properly with LogicMonitor. The hostname or IP location of your firewalls must then be provided. A different option is to have LogicMonitor automatically search for, install, and scan your firewalls. The device will be identified by LogicMonitor's ActiveDiscovery as a Cisco firewall, and it will also determine its parameters and perform all necessary monitoring.

* Linux:

Linux monitoring tools are supported by LogicMonitor. We pre-install LogicModules that track crucial Linux performance measures so that you can create dashboards that display the information needed for your IT Operations. With the integrated observability and tracking platform from LogicMonitor, you can deliver uptime that causes you downtime.

* Dell Compellent Storage:

The deployment, administration, and scaling of data center storage are simplified by Compellent Storage Center. LogicMonitor provides thorough health and availability tracking to help you get the most out of your Compellent deployment.

* ConnectWise:

Thanks to LogicMonitor's direct interaction with ConnectWise, managed service providers gain from a more streamlined process and managers receive useful graphical views into the status of tickets.

* Google Cloud Platform:

All of your Google Cloud Platform services, including CloudSQL, Google Compute Engine, and Google App Engine, are instantly found and monitored by LogicMonitor in real time. Whether fully installed or just getting started, our extensive coverage offers GCP metrics alongside any network, server, or container service for complete insight into health and performance. With LogicMonitor's agentless architecture, which is intended for big businesses embracing hybrid and multi-cloud environments, scale with ease.

* Zoom:

Zoom is a cloud platform that offers smartphone collaboration, video conferencing, online meetings, chat, and remote conferencing services.

Zoom is already equipped with LogicMonitor's tracking capabilities, which let you keep an eye on a variety of service metrics like room health and overall user demographics

## **Technical Details**

LogicMonitor is a cloud-based infrastructure monitoring and performance optimization solution. Here are some technical details:

* Architecture:

The distributed design of LogicMonitor consists of a Manager, a Web user interface, and a Collector. Data is collected from computers and other devices, processed by managers, and stored in time-series databases. Real-time visualization and reporting are provided by the Web UI.

* Data Collection:

Servers, network devices, cloud services, and apps are just a few of the infrastructure components that LogicMonitor is able to keep an eye on. It gathers information on performance metrics, logs, events, and more using a range of collection techniques, such as SNMP, WMI, JMX, and custom scripts.

* Alerting:

Users can receive notifications from LogicMonitor when system components are having problems or performing worse. Users can specify limits, escalation chains, and suppression rules using the customizable alerting engine it employs.

* Visualization:

Real-time visualization of system performance is provided by LogicMonitor through scalable dashboards, widgets, and reports. To assist users in determining the source of problems, it also offers correlation analysis and drill-down capabilities.

* Integration:

Numerous third-party tools, such as chat platforms, issue management systems, and automation frameworks, can be integrated with LogicMonitor. Additionally, it offers APIs for automated access to data and features.

### **Project Comparison**

1. Datadog: A cloud-based monitoring platform that provides real-time visibility into the performance of your applications, infrastructure, and logs.
2. New Relic: A cloud-based observability platform that helps you monitor and troubleshoot your applications, infrastructure, and customer experience.
3. Zabbix: An open-source monitoring solution that allows you to monitor the performance and availability of servers, network devices, and applications.
4. Nagios: Another open-source monitoring solution that provides a comprehensive view of your IT infrastructure and alerts you when problems arise.
5. SolarWinds: A suite of network and system management tools that includes network monitoring, configuration management, and performance analysis.

### **References**

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| Website Link | Description |
| https://www.logicmonitor.com | Official Website of LogicMonitor |
| https://www.gartner.com | Blog pertaining to the alternatives of LogicMonitor |