

# Comparison of network monitoring systems

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The following tables compare general and technical information for a number of notable network monitoring systems. Please see the individual products' articles for further information.

## Contents

[Features](#)

[Legend](#)

[See also](#)

[References](#)

## Features

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Name	IP SLA Reports	Logical Grouping	Trending	Trend Prediction	Auto Discovery	Agentless	SNMP	Syslog	Plugins	Triggers / Alerts	MIB Compiler	WebApp	Distri Moni
<u>Argus</u>	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	No	Viewing, Acknowledging, Reporting	Yi
<u>Avaya VPFM</u>	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes	Yes	No	Full Control	Yi
<u>Cacti</u>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Full Control	Yi
<u>Checkmk</u>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Full Control	Yi
<u>collectd</u>	No	No	No	No	Push model; multicast possible	Yes	Yes	Yes	Yes	Yes	No	Viewing	Yi
<u>Cruz</u>	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Full Control	Yi
<u>FreeNATS</u>	Yes	Yes	No	No	Yes	No	No	Via plugin	Yes	In PHP Code	No	Full Control	N
<u>Ganglia</u>	No	Yes	Yes	No	Via gmond check in	No	Via plugin	No	Yes	No	No	Viewing	Yi
<u>Icinga</u>	Via plugin	Yes	Yes	No	Via plugin	Yes	Via plugin	Via plugin	Yes	Yes	No	Full Control	Yi
<u>InterMapper</u>	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Viewing	Yi
<u>IR</u>	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Full Control	Yi
<u>isyVmon</u>	Yes	Yes	Yes	No	Via plugin	No	Yes	Yes	Yes	Yes	No	Full Control	Yi
<u>Munin</u>	No	Yes	Yes	Yes	No	No	Yes	No	Yes	Partial	No	Viewing	Via r
<u>Nagios</u>	Via plugin	Yes	Yes	No	Via plugin	Yes	Via plugin	Via plugin	Yes	Yes	No	Yes	Yi
<u>NeDi</u>	No	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yi
<u>Netdisco</u>	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yi
<u>NetXMS</u>	Unknown	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yi
<u>NeuralStar</u>	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Full Control	Yi
<u>Octopussy</u>	No	Yes	Yes	No	Yes	Yes	No	Yes	Yes	Yes	No	Full control	N
<u>op5 Monitor</u>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yi
<u>OpenKBM</u>	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yi
<u>OpenNMS</u>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Full Control	Yi
<u>Openview</u>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Via integration	Yes	Yes	No	Full Control	Yi
<u>OPNET's AppResponse Xpert</u>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Viewing, Acknowledging, Reporting	Yi
<u>OSI NetExpert</u>	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yi
<u>PA Server Monitor</u>	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Viewing, Reporting	Yi

<u>PacketTrap</u>	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Viewing, Reporting	Yi
<u>Pandora FMS</u>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Full Control	Yi
<u>Performance Co-Pilot</u>	No	Yes	Yes	No	Yes	Optional, Limited	Yes	Yes	Yes	Yes	No	Viewing	Yi
<u>PRTG</u>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yi
<u>ScienceLogic</u>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Full Control	Yi
<u>SevOne</u>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Full Control	Yi
<u>Shinken</u>	Via plugin	Yes	Yes	No	Yes	Yes	Via plugin	Via plugin	Yes	Yes	No	Viewing, Acknowledging, Reporting	Yi
<u>SolarWinds</u>	Yes	Yes	Yes	Yes	Yes	Partial	Yes	Yes	Yes	Yes	No	Full Control	Yi
<u>Spiceworks</u>	Unknown	Yes	Unknown	Unknown	Yes	Yes	Un-known	Unknown	Yes	Yes	Unknown	Unknown	Unki
<u>CA Spectrum</u>	Yes	Yes	Perf. AddOn	Perf. AddOn	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yi
<u>Xymon/Hobbit</u>	Yes	Yes	Yes	No	Via plugin	Via plugin	Via plugin	No	Yes	Yes	No	Viewing, Acknowledging, Reporting	Yi
<u>Vigilo NMS</u>	Yes (NMS and NOC editions)	Yes	Yes	Yes via integration	Yes via integration	Yes	Yes	Yes via Prelude SIEM	Yes	Yes	No	Viewing, Acknowledging, Reporting	Yes (and editi
<u>Zabbix</u>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Full Control	Yi
<u>Zenoss Core</u>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Full Control	Yi
<u>ZIS-System</u>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Full Control	Yi
Name	IP SLA Reports	Logical Grouping	Trending	Trend Prediction	Auto Discovery	Agentless	SNMP	Syslog	Plugins	Triggers / Alerts	MIB Compiler	WebApp	Distri Moni

## Legend

### Product Name

The name of the software, linked to its Wikipedia article.

### IP SLAs Reports

Support of Cisco's [IP Service Level Agreement](#) mechanism.

### Logical Grouping

Supports arranging the hosts or devices it monitors into user-defined groups.

### Trending

Provides trending of network data over time.

### Trend Prediction

The software features algorithms designed to predict future network statistics.

### Auto Discovery

The software automatically discovers hosts or network devices it is connected to.

### Agentless

The product does not rely on a software agent that must run on hosts it is monitoring, so that data can be pushed back to a central server. "Supported" means that an agent may be used, but is not mandatory. An [SNMP](#) daemon does not count as an agent.

### SNMP

Able to retrieve and report on [SNMP](#) statistics.

### Syslog

Able to receive and report on [Syslogs](#).

### Plugins

Architecture of the software based on a number of 'plugins' that provide additional functionality.

### Triggers/Alerts

Capable of detecting threshold violations in network data, and alerting the administrator in some form.

### WebApp

Runs as a web-based application.

- No: There is no web-based frontend for this software.

- Viewing: Network data can be viewed in a graphical web-based frontend.
- Acknowledging: Users can interact with the software through the web-based frontend to acknowledge alarms or manipulate other notifications.
- Reporting: Specific reports on network data can be configured by the user and executed through the web-based frontend.
- Full Control: ALL aspects of the product can be controlled through the web-based frontend, including low-level maintenance tasks such as software configuration and upgrades.

#### **Distributed Monitoring**

Able to leverage more than one server to distribute the load of network monitoring.

#### **Inventory**

Keeps a record of hardware and/or software inventory for the hosts and devices it monitors.

#### **Platform**

The platform (Coding Language) on which the tool was developed/written.

#### **Data Storage Method**

Main method used to store the network data it monitors.

#### **License**

License released under (e.g. [GPL](#), [BSD license](#), etc.).

#### **Maps**

Features graphical network maps that represent the hosts and devices it monitors, and the links between them.

#### **Access Control**

Features user-level security, allowing an administrator to prevent access to certain parts of the product on a per-user or per-role basis.

#### **IPv6**

Supports monitoring [IPv6](#) hosts and/or devices, receiving IPv6 data, and running on an IPv6-enabled server. Supports communication using IPv6 to the SNMP agent via an IPv6 address.

## **See also**

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- [Data Cap Integrity Act](#)

## **References**

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