

# Monitoring Overview

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## Contents

<b>1 Introduction</b>	<b>1</b>
<b>2 Overview</b>	<b>2</b>
<b>3 Other</b>	<b>3</b>
<b>4 Web Interfaces</b>	<b>3</b>
<b>5 Source</b>	<b>3</b>
<b>6 Conference</b>	<b>3</b>
<b>7 Links</b>	<b>4</b>
<b>8 History</b>	<b>4</b>
<b>9 Disclaimer of Warranty</b>	<b>4</b>
<b>10 Limitation of Liability</b>	<b>4</b>

## 1 Introduction

Free Open Source Software has a long tradition in providing system monitoring software. And this domain is still a stronghold for traditional programming languages of system administrators, shell and Perl.

This overview distinguish basically two different kind of Monitoring software: All purpose server monitoring and special device monitoring. Of course the borders are blurred. While MRTG started as a special network device monitoring tool where the focus is to know what happened in the past. For example how much traffic has been seen last month. This

is marked as 'Usage'. The other solutions, like the Nagios orientated ones, focus more on the question if a certain server is up or not and if the data of certain devices are in expected ranges or not. This is marked as 'Mon.'

## 2 Overview

Software	Language/Dependency	Query	Deb	Kind	License	URL
CACTI	PHP5 Mysql Perl Apache		yes		GPL	➔
CENTREON						
<a href="#">CHECKMK</a>	Python,C++,Shell,C,JS	Nag.	no		GPLv2	➔
GANGLIA	C, Perl, PHP, Python		yes			➔
<a href="#">GRAFANA</a>	Go, TypeScript, Shell		no	Usage	AGPL-v3	➔
ICINGA	Perl	Nag.	yes	Mon.	GPLv2/3	➔ ➔
ICINGA2	C++, web: PHP	Nag.	yes	Mon.		➔ ➔
MANTIS						
MRTG	Perl	SNMP	yes	Usage		➔
MUNIN	Perl httpd		yes	Usage		➔
NAV					GPLv3	➔
NETSAINT						
NAGIOS3	Perl	Nag.	yes	Mon.		➔
OBSERVIUM	PHP	SNMP	no		Observium	➔
OPSVIEW						
OP5/NINJA						
OP5/MONITOR						
<a href="#">PROMETHEUS</a>	Go, TypeScript, Shell		yes	Mon.	Apache-v2	➔
SHINKEN	Phython	Nag.	yes	Mon.	AGPL-v3	➔
THRUK						
ZABBIX	C PHP		yes		GPLv2	➔

- 1 Nag. - Nagios query type, including nrpe
- 2 Usage - Tool display usage as target, no warnings
- 3 Mon. - Tool monitors, give warnings

### 3 Other

- [OpenNMS](#)
- [Netdata](#)
- [M/Monit](#)
- [LibreNMS](#)

### 4 Web Interfaces

Software	Application	URL
Thruk	Naemon Icinga Shinken Nagios	<a href="#">➔</a>

### 5 Source

Software	Repository
checkMK	<a href="#">github</a>
grafana	<a href="#">github</a>
icinga2	<a href="#">github</a>
icinga2-web	<a href="#">github</a>
icinga2-puppet	<a href="#">github</a>
nagios4-nagioscore	<a href="#">github</a>
Prometheus	<a href="#">github</a>
Shinken	<a href="#">github</a>

### 6 Conference

Software	URL
icinga	<a href="#">icingaconf</a>

## 7 Links

- [2015: nagios, icinga2, sensu](#)
- [2016: 9 reasons not to install Nagios](#)
- [2017-German: nagios, icinga2,...](#)

## 8 History

Version	Date	Notes
0.1.6	2023-01-04	+PROMETHEUS+GRAFANA, mod CHECK_MK
0.1.5	2021-05-19	Formatting for Quick-Guide
0.1.4	2020-02-14	comparison links
0.1.3	2016-07-02	+NETSAINT to overview
0.1.2	2016-07-01	+MANTIS to overview
0.1.1	2016-06-29	Improve overview
0.1.0	2016-06-22	Initial version with overview

## 9 Disclaimer of Warranty

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