

OP5 Ecosystem

This page collects projects that are utilizing OP5 Monitor in some way, such as consuming resources from OP5 Monitor or interacting in some way via the [API](#) or other modules such as [Livestatus](#), [Merlin](#) or [Ninja](#).

If you want your project listed, get in touch via the [mailing list](#), IRC-channel [#op5](#) at irc.freenode.net or via [email](#) directly to the acting Open source community manager.

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Merlin-dashboard

What is merlin-dashboard?

merlin-dashboard is a fork of [Morten Bekkelund's nagios-dashboard](#), a project to develop a dashboard that you can show on for example a big-screen TV in order to quickly see the unhandled problems in your system.

While an excellent dashboard for the old-style Merlin database, nagios-dashboard had a number of issues and was not supported beyond op5 Monitor 5.7 since we dropped the support for the Merlin status tables in the database that it was using.

Thus, [Unknown User \(mbergsten\)](#) created a fork, called merlin-dashboard, containing patches from various people to fix and add functionality to the dashboard, in addition to implementing Livestatus support in the dashboard.

Where can I find it?

merlin-dashboard is being worked on and distributed from Github, [here](#).

What does it look like?

The screenshot displays the OP5 Merlin dashboard interface. At the top left, a green bar indicates "No hosts down or unacknowledged" under the heading "Unhandled host problems". To the right, a "Tactical overview" table provides a summary of system health. Below this, the "Unhandled service problems" section lists various issues with columns for Host, Service, Output, Duration, and Last check. At the bottom, a status bar shows system information, a refresh button, and a large digital clock.

Type	Totals	%
Hosts up	83/83	100
Hosts down	0/83	0
Hosts unreachable	0/83	0
Services OK	934/958	97.49
Services critical	19/958	1.98
Services warning	5/958	0.52
Services unknown	0/958	0

Host	Service	Output	Duration	Last check
printer-sth	Toner cyan	SNMP CRITICAL - Toner level: *50* %	29d 23h 58m 2s	2013-06-13 15:02:19
switch1-sth	Interface linkstatus	Line protocol on Interface FastEthernet1/0/14, changed state to down	0d 0h 9m 54s	2013-06-13 14:57:02
switch1-sth	Interface duplex status	duplex mismatch discovered on FastEthernet0/7 (not full duplex), with vlan1-switch02.op5.com GigabitEthernet0/1 (full duplex).	0d 0h 0m 55s	2013-06-13 15:06:01
windows-sth	WMI Agentless File Age	CRITICAL - [Triggered by _FileAge>8day] - Age of File c:/share/virtio-win-1.1.11-0.vfd is 1037 days 22:45:11 (1494645min) or 24910.75hr(s).	63d 10h 51m 57s	2013-06-13 15:05:28
windows-sth	WMI: User Account Lockout	testuser , fmkker, badUsers: 2 > critical	151d 20h 40m 39s	2013-06-13 15:05:35

Refresh in 3 seconds **15:06:59**

op5-cli

What is op5-cli?

A command-line interface for the OP5 monitoring system using its REST API.

Where can I find it?

op5-cli is being worked on and distributed from Github, [here](#).

op5Monitor-Excel-Import

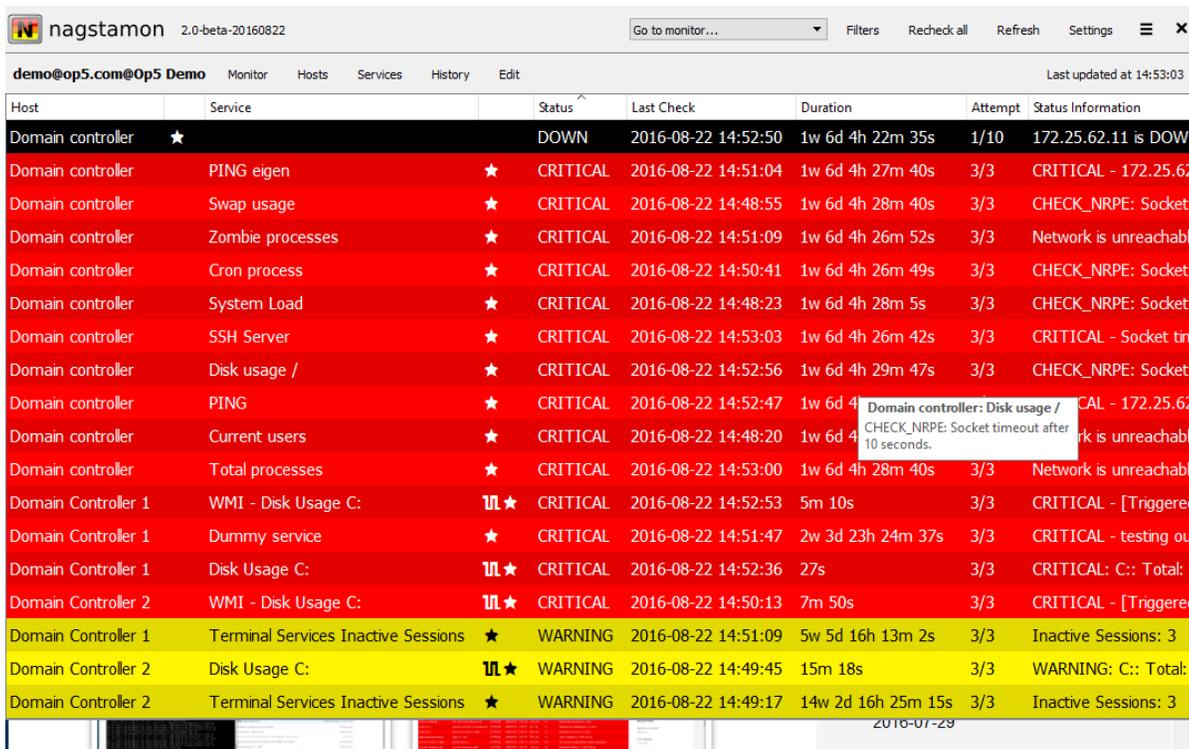
This program is intended to bulk-import hosts into a op5 Monitor installation using the op5 Monitor's HTTP API. It reads an Excel-file (.xlsx format, introduced in Excel 2007) line-by-line. The first line is interpreted as the header line. The headings have to conclude with Nagios Core's host object attribute names, such as "address", "alias", "hostgroups", "parents", ... in order to create the host objects

Where can I find it?

op5Monitor-Excel-Import being worked on and distributed from Github, [here](#).

Nagstamon

Nagstamon is a status monitor for the desktop. It connects to multiple Nagios, Icinga, Opsview, Centreon, Op5 Monitor/Ninja, Check_MK Multisite and Thruk monitoring servers. Experimental support is provided for Zabbix, Zenoss and Livestatus monitors. It resides in systray, as a floating statusbar or fullscreen at the desktop showing a brief summary of critical, warning, unknown, unreachable and down hosts and services. It pops up a detailed status overview when being touched by the mouse pointer. Connections to displayed hosts and services are easily established by context menu via SSH, RDP, VNC or any self defined actions. Users can be notified by sound. Hosts and services can be filtered by category and regular expressions.



The screenshot shows the Nagstamon application window with a title bar "nagstamon 2.0-beta-20160822". The main window displays a table of monitoring data. The table has columns for Host, Service, Status, Last Check, Duration, Attempt, and Status Information. The data is as follows:

Host	Service	Status	Last Check	Duration	Attempt	Status Information
Domain controller		★ DOWN	2016-08-22 14:52:50	1w 6d 4h 22m 35s	1/10	172.25.62.11 is DOWN
Domain controller	PING eigen	★ CRITICAL	2016-08-22 14:51:04	1w 6d 4h 27m 40s	3/3	CRITICAL - 172.25.62.11 is unreachable
Domain controller	Swap usage	★ CRITICAL	2016-08-22 14:48:55	1w 6d 4h 28m 40s	3/3	CHECK_NRPE: Socket timeout after 10 seconds.
Domain controller	Zombie processes	★ CRITICAL	2016-08-22 14:51:09	1w 6d 4h 26m 52s	3/3	Network is unreachable
Domain controller	Cron process	★ CRITICAL	2016-08-22 14:50:41	1w 6d 4h 26m 49s	3/3	CHECK_NRPE: Socket timeout after 10 seconds.
Domain controller	System Load	★ CRITICAL	2016-08-22 14:48:23	1w 6d 4h 28m 5s	3/3	CHECK_NRPE: Socket timeout after 10 seconds.
Domain controller	SSH Server	★ CRITICAL	2016-08-22 14:53:03	1w 6d 4h 26m 42s	3/3	CRITICAL - Socket timeout after 10 seconds.
Domain controller	Disk usage /	★ CRITICAL	2016-08-22 14:52:56	1w 6d 4h 29m 47s	3/3	CHECK_NRPE: Socket timeout after 10 seconds.
Domain controller	PING	★ CRITICAL	2016-08-22 14:52:47	1w 6d 4h 27m 40s	3/3	CRITICAL - 172.25.62.11 is unreachable
Domain controller	Current users	★ CRITICAL	2016-08-22 14:48:20	1w 6d 4h 28m 40s	3/3	Network is unreachable
Domain controller	Total processes	★ CRITICAL	2016-08-22 14:53:00	1w 6d 4h 28m 40s	3/3	Network is unreachable
Domain Controller 1	WMI - Disk Usage C:	⚡ CRITICAL	2016-08-22 14:52:53	5m 10s	3/3	CRITICAL - [Triggered]
Domain Controller 1	Dummy service	★ CRITICAL	2016-08-22 14:51:47	2w 3d 23h 24m 37s	3/3	CRITICAL - testing out
Domain Controller 1	Disk Usage C:	⚡ CRITICAL	2016-08-22 14:52:36	27s	3/3	CRITICAL: C:: Total: 4
Domain Controller 2	WMI - Disk Usage C:	⚡ CRITICAL	2016-08-22 14:50:13	7m 50s	3/3	CRITICAL - [Triggered]
Domain Controller 1	Terminal Services Inactive Sessions	★ WARNING	2016-08-22 14:51:09	5w 5d 16h 13m 2s	3/3	Inactive Sessions: 3
Domain Controller 2	Disk Usage C:	⚡ WARNING	2016-08-22 14:49:45	15m 18s	3/3	WARNING: C:: Total: 4
Domain Controller 2	Terminal Services Inactive Sessions	★ WARNING	2016-08-22 14:49:17	14w 2d 16h 25m 15s	3/3	Inactive Sessions: 3

It is inspired by Nagios Checker for Firefox – just without an open Firefox window all the time to monitor the network.

Nagstamon is released under the GPLv2 and free to use and modify.

Nagstamon is written in Python 3 and uses the Qt 5 GUI toolkit which makes it very portable. It has been tested successfully on latest Ubuntu,

Debian, Windows, NetBSD, OpenBSD, FreeBSD and MacOS X. It works with GNOME, KDE, Windows and MacOS X desktop.

Successfully tested monitors include:

- Nagios 1.x, 2.x, 3.x and 4.x
- Icinga 1.2+ and 2.3+
- Opsview 5+
- Centreon 2.3+
- Op5 Monitor 7+
- Check_MK/Multisite 1.1.10+
- Thruk 1.5.0+
- Livestatus – experimental
- Zabbix 2.2+ – experimental
- Zenoss – experimental

See <https://nagstamon.ifw-dresden.de> for further information.

For submitting bug reports or patches, please use github: <https://github.com/HenriWahl/Nagstamon>

Acknowledge alarm in python

What is OP5 Plugin?

Python application to send acknowledgments of alarms to OP5 Monitor

Where can I find it?

<https://github.com/alerta/alerta-contrib/tree/master/plugins/op5>

OP5 Util

What is OP5 Util?

A small utility to perform common Op5 administration tasks from the command line. Written in Ruby.

```
ncc1701-c:~/Ruby/op5util $ op5util add -g linux_hosts wiki
New host created
New op5-config saved
ncc1701-c:~/Ruby/op5util $ op5util schedule wiki
Host check scheduled
All services for host wiki scheduled for check
ncc1701-c:~/Ruby/op5util $ op5util status -l wiki
The host wiki is UP, last check was done 48 seconds ago.
```

Service	State	Info
L0 lnx - users	OK	USERS OK - 1 users currently logged in
L0 lnx - ssh	OK	SSH OK - OpenSSH_7.2p2 (protocol 2.0)
L0 lnx - post patching	OK	OK
L0 lnx - ping	OK	OK - 192.168.177.9: rta 0.090ms, lost 0%
L0 lnx - crond	OK	PROCS OK: 1 process with command name 'cron'
L0 lnx - Zombie processes	OK	PROCS OK: 0 processes with STATE = Z
L0 lnx - Syslog	OK	PROCS OK: 1 process with command name 'rsyslogd'
L0 lnx - Swap	OK	SWAP OK - 94% free (1918 MB out of 2043 MB)
L0 lnx - Mem	OK	MEMORY OK - 85% used
L0 lnx - Load	OK	OK - load average: 0.05, 0.02, 0.00
L0 lnx - Disk usage /var	OK	DISK OK - free space: / 21162 MB (75% inode=84%):
L0 lnx - Disk usage /opt	OK	DISK OK - free space: / 21162 MB (75% inode=84%):
L0 lnx - Disk usage /home	OK	DISK OK - free space: / 21162 MB (75% inode=84%):
L0 lnx - Disk usage /boot	OK	DISK OK - free space: /boot 293 MB (65% inode=99%):
L0 lnx - Disk usage /	OK	DISK OK - free space: / 21162 MB (75% inode=84%):

```
ncc1701-c:~/Ruby/op5util $
```

```
ncc1701-a:~/Ruby/op5util $ gem install op5util
Successfully installed op5util-0.1.5
1 gem installed
ncc1701-a:~/Ruby/op5util $ export MONITOR=monitor.ipa.hemma
ncc1701-a:~/Ruby/op5util $ echo niklas:XXXXXXXXXXXXXXXXXXXX > ~/.op5pass
ncc1701-a:~/Ruby/op5util $ chmod 400 ~/.op5pass
ncc1701-a:~/Ruby/op5util $ op5util status
```

	Total	OK	Acknowledged problems	Unhandled problems
Hosts	5	4	0	1
Services	137	117	0	20

```
ncc1701-a:~/Ruby/op5util $ op5util status -l
```

Host	Host status	Total Services	OK	WARN	CRIT
fw01	UP	21	21	0	0
gitlab01	DOWN	20	0	0	20
ipa-ns	UP	22	22	0	0
monitor	UP	60	60	0	0
vmware01	UP	14	14	0	0

```
ncc1701-a:~/Ruby/op5util $ op5util acknowledge gitlab01
Acknowledge host alarm for host gitlab01
Host alarm acknowledged
All service alarms for host gitlab01 acknowledged
ncc1701-a:~/Ruby/op5util $ op5util schedule gitlab01
Host check scheduled
All services for host gitlab01 scheduled for check
ncc1701-a:~/Ruby/op5util $ op5util status gitlab01
The host gitlab01 is in UP state, and it was last checked 1 minutes, 8 seconds ago.
Out of 18 services is 18 in the OK state, 0 in the WARN state and 0 in the CRIT state
ncc1701-a:~/Ruby/op5util $
```

Where can I find it?

<https://github.com/np422/Op5util>