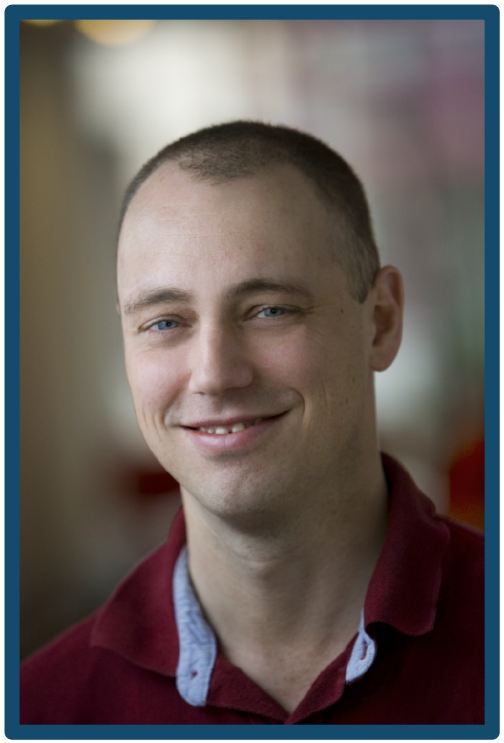
Introduction to op5 Monitor 7.0

A brief overview

This webinar will start in a few minutes

Who are we



Product Manager
Peter Andersson

Digital Marketing & Web Manager
Andreas Månsson

CTO
Jan Josephson

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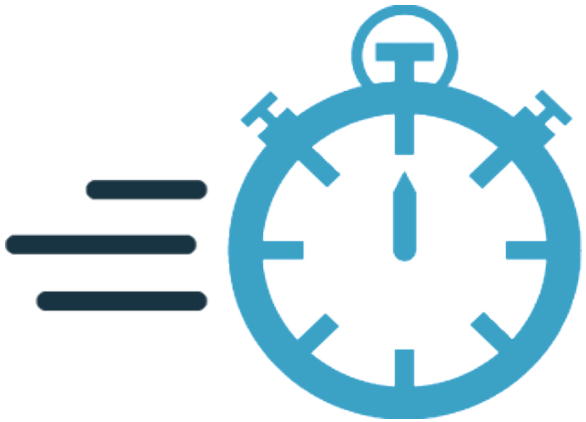
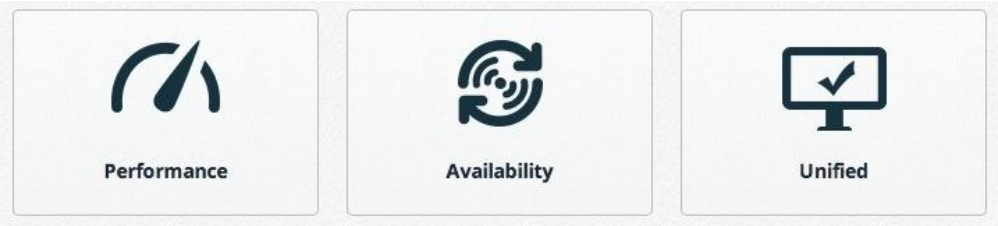
Agenda for today

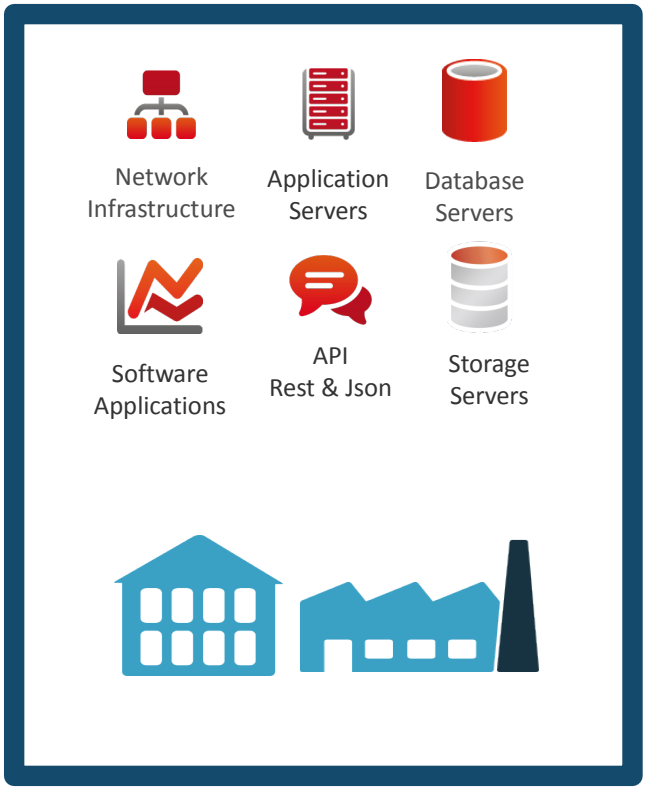
- Hybrid IT is the winner
- Logserver - Logger
- Features
  - Faster filtering capabilities
  - Enhancement to “Test this button”
- Plugins
- op5 Mobile App iOS
- Q/A



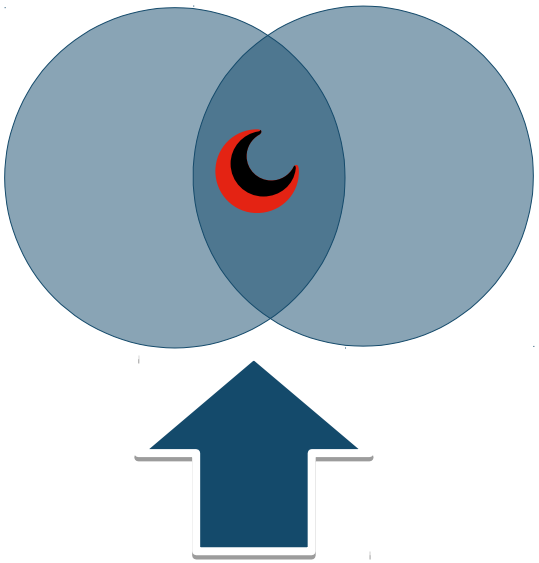
Hybrid IT is the winner

Hybrid IT is the winner!





Enterprise IT



We enable a controlled evolution to the hybrid cloud for Enterprise IT

"Ix, Px, Sx, DBx etc…as a Service

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It looks simple and cool....

HealthCare.gov | Learn | Get Insurance | Log in | Español

Individuals & Families | Small Businesses | All Topics | Search | Search

Still need health coverage?

FIND OUT IF YOU QUALIFY

for a Special Enrollment Period or Medicaid/CHIP

- Report income or life changes
- See plans and prices
- Small businesses: Apply any time
- Learn about fees & exemptions

Health Insurance Marketplace

HEALTHCARE.GOV BLOG

- 28 AUG Scheduled downtime to improve HealthCare.gov
- 22 AUG Help your kids start the school year strong with health coverage
- 21 AUG Making an appointment

TOP CONTENT

- Getting coverage outside Open Enrollment
- Using your new insurance coverage
- Using your new Medicaid or CHIP coverage

CONNECT WITH US

- Share Your Story
- Watch Videos
- Questions? Call 1-800-318-2596

QUICK INFORMATION

For Partners | Regulatory and Policy Information
For the Media | About the Affordable Care Act
For States | For Businesses

RESOURCES IN OTHER LANGUAGES

中文 (Chinese) | Kreyòl (French Creole)
한국어 (Korean) | Polski (Polish)
Português (Portuguese) | Español (Spanish)

GET EMAIL UPDATES

Email Address

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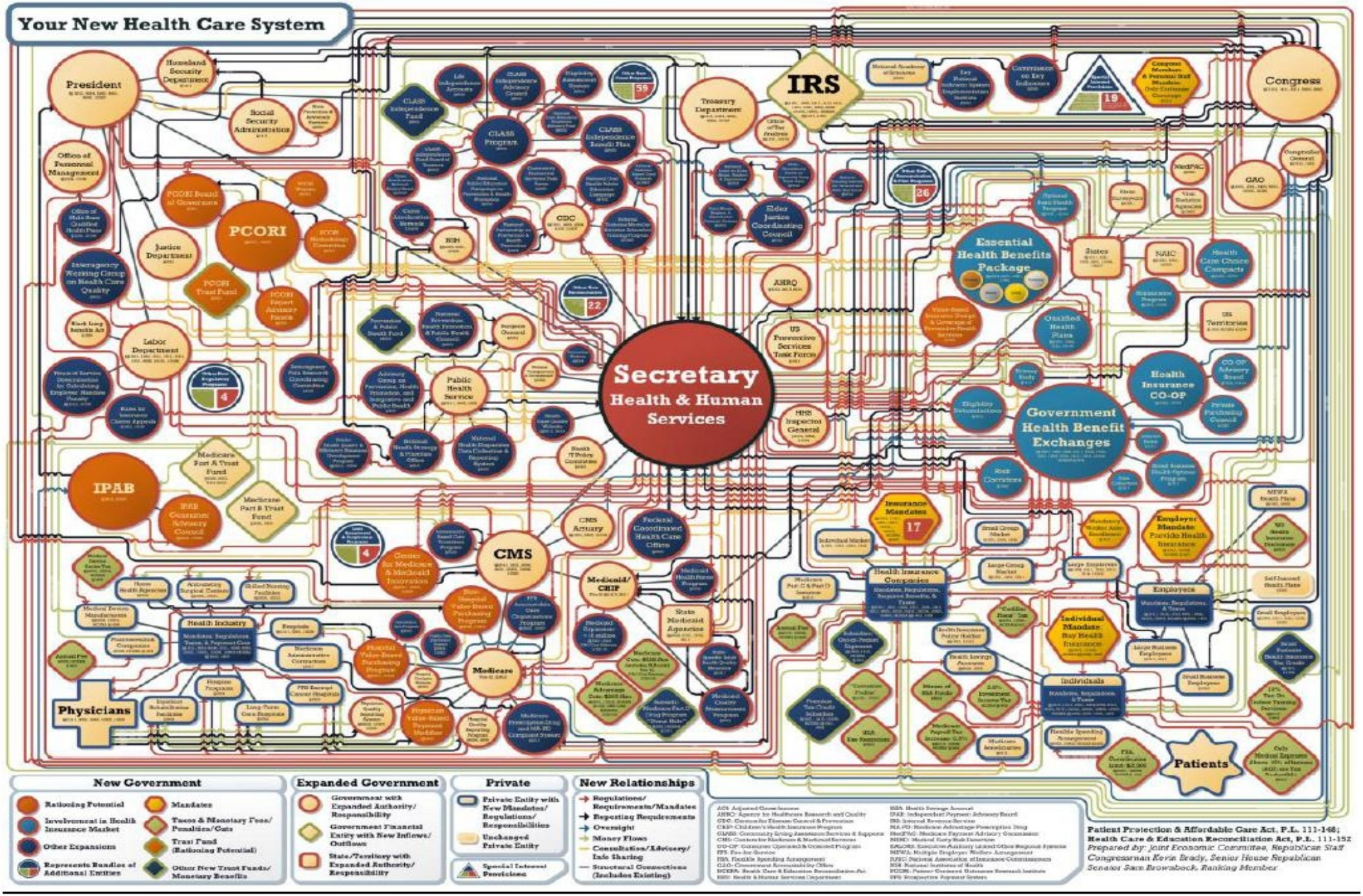
But under the hood….



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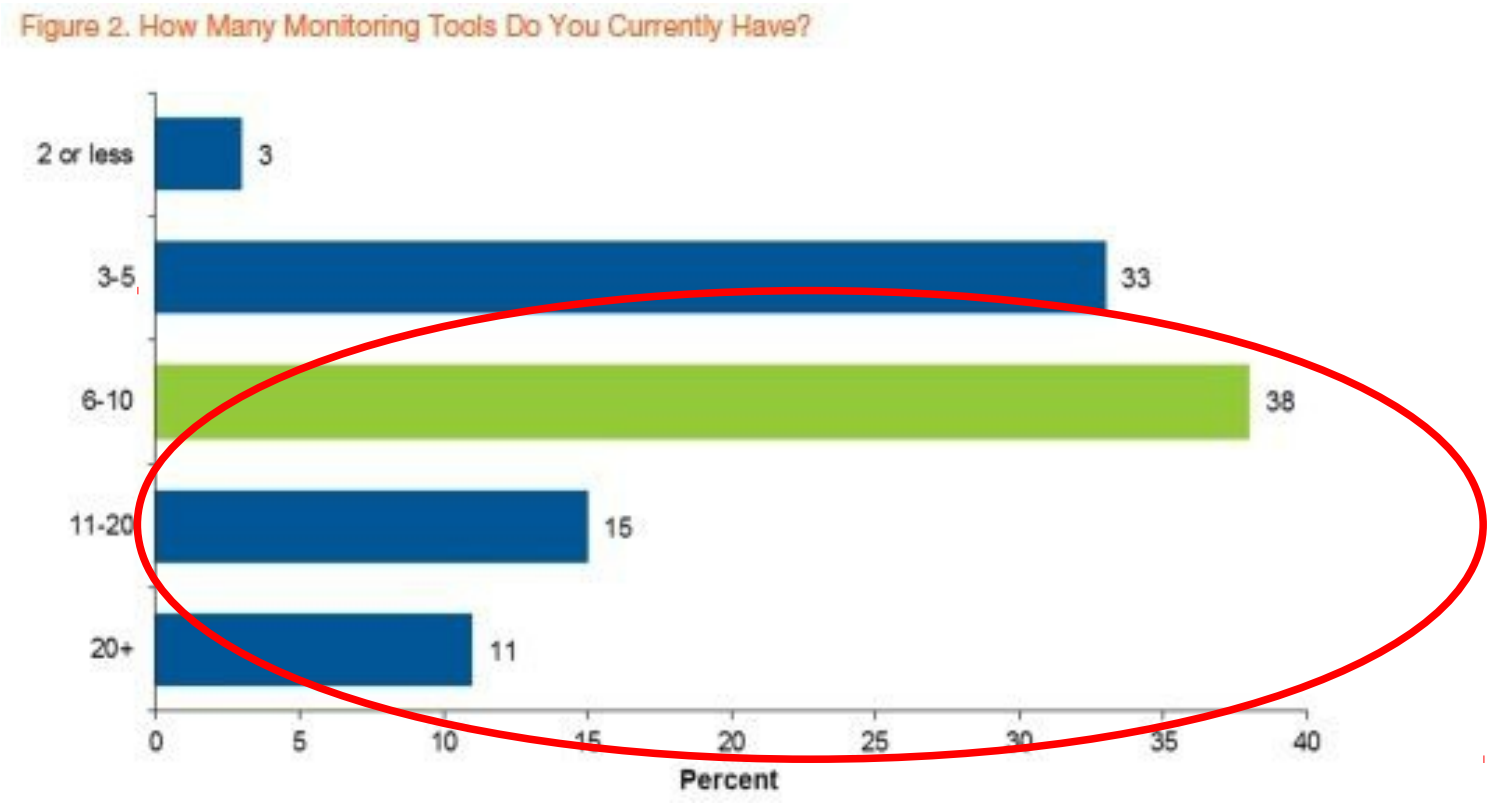
What do enterprise IT do about it?



- More then 60% of the companies have six or more then 20 different monitoring tools installed in parallel!

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Gartner Top Recommendations!

Analyst(s): Jonah Kowall, Colin Fletcher

Enterprise I&O teams should combine unified monitoring and log analytics technologies to build a simpler, faster and cost-effective approach to managing the availability of today's highly complex and dynamic environments.

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Logs provide unparalleled details on what went wrong
CHECK
mph
40
20
20
0

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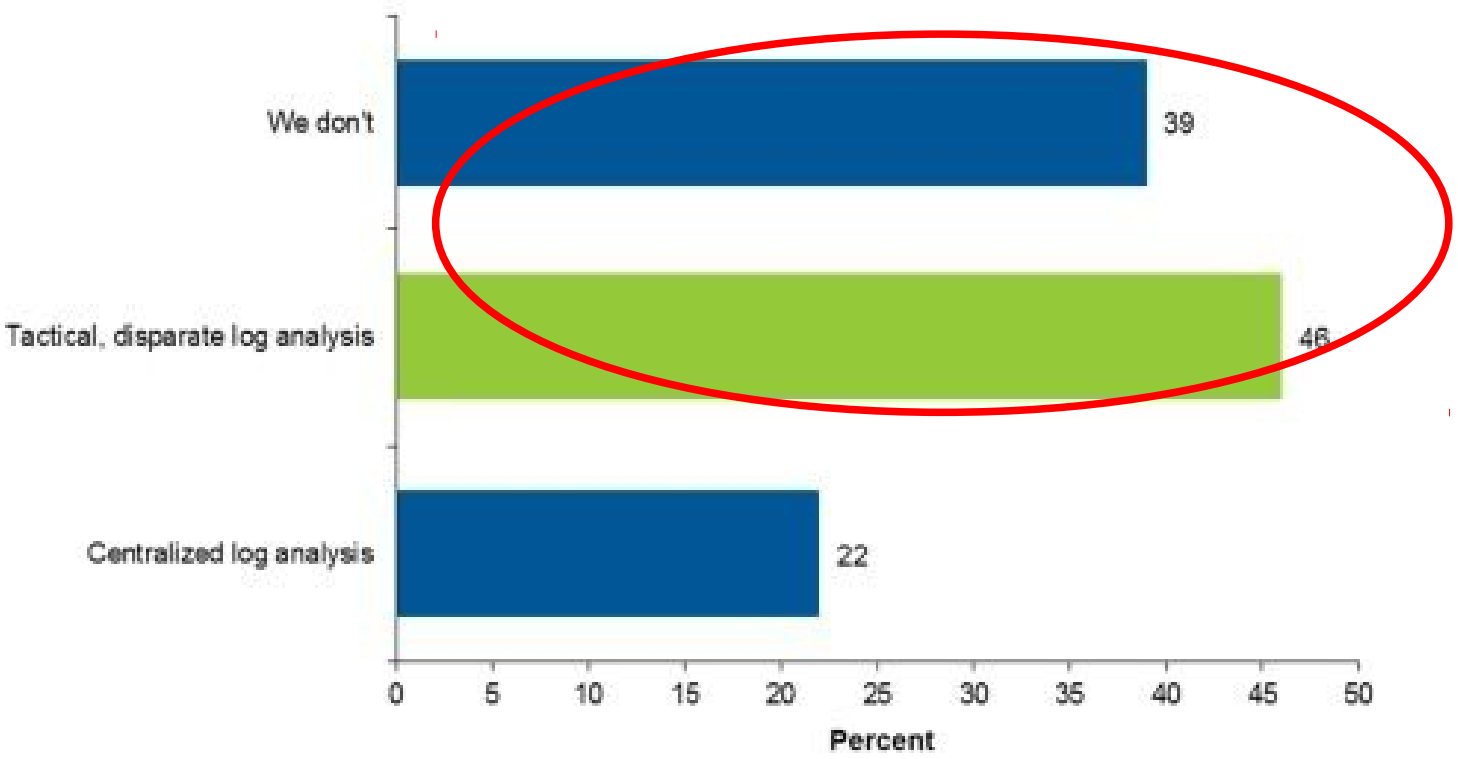
8 out of 10 of Enterprises lacks the use of continued centralized Log Analysis!



Gartner

- Implement unified monitoring and log analysis tools to support availability management and goals.
- Implement log analysis to support IT and security operations, foster collaboration across teams, and improve tactical troubleshooting.

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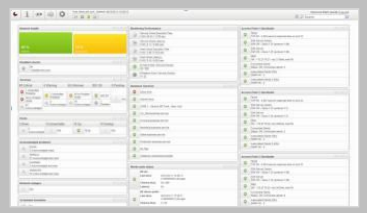
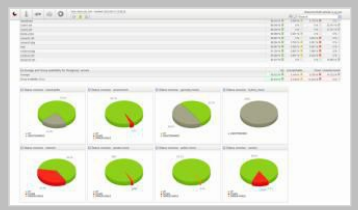
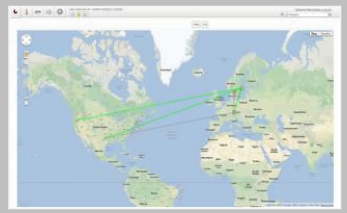
Unified Monitoring including details



Dashboards



Graphs & Reports



Mapping

API

Smart Filters

Event Correlation

Collection Tier

Agent based

Application Servers

Database Servers

Storage Servers

Agent less

Application Servers

Database Servers

Storage Servers

Network Infrastructure

API Rest & Json

Traps & Logs

Software Applications

Cloud Services

Connectivity Providers

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Introducing op5 Monitor 7.0

op5 Monitor 7.0

Integrated Logserver

Logger

Logger

- op5 Monitor can now act as a logserver
- Key features
  - Same GUI as Monitor
    - No need to change tool
    - Enrich alerts with logdata
  - New listview type log_messages - possible to use smart filters to create custom views
  - API support for easy and secure integration
  - Same athenticate mechanisms as in op5 Monitor, like LDAP/AD
  - Log reports using smart filters

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Screenshots op5 Logger

op5 Monitor » List view - Mozilla Firefox

https://vakttornet/monitor/index.php/listview?q=[log_messages] all

Monitor Admin at vakttornet.mynet | Log out

Search

List view | Log_messages | Count: 34071 | Run query on archive

Severity	Facility	Receive time	Message time	Event ID	Source IP address	Ident	Host	PID	Message
6: info	2: mail	2014-09-10 14:56:57	2014-09-10 14:56:57	0	10.1.1.47	dovecot	mail	0	imap-login: Disconnected (no auth atte handshaking: Disconnected
4: warning	2: mail	2014-09-10 14:56:57	2014-09-10 14:56:57	0	10.1.1.47	dovecot	mail	0	imap-login: Warning: SSL: where=0x10 [10.1.1.87]
3: error	3: daemon	2014-09-10 14:56:57	2014-09-10 14:56:57	0	127.0.0.1	nsca	vakttornet	21742	Received invalid packet type/version fr wrong password or crypto algorithm?
4: warning	2: mail	2014-09-10 14:56:57	2014-09-10 14:56:57	0	10.1.1.47	dovecot	mail	0	imap-login: Warning: SSL: where=0x20 [10.1.1.87]
6: info	10: authpriv	2014-09-10 14:56:56	2014-09-10 14:56:56	0	127.0.0.1	sshd	vakttornet	21738	Did not receive identification string fron
3: error	3: daemon	2014-09-10 14:56:52	2014-09-10 14:56:52	0	127.0.0.1	nsca	vakttornet	21724	Received invalid packet type/version from client - possibly due to client using wrong password or crypto algorithm?
6: info	10: authpriv	2014-09-10 14:56:51	2014-09-10 14:56:51	0	127.0.0.1	sshd	vakttornet	21722	Did not receive identification string from ::1
3: error	3: daemon	2014-09-10 14:56:47	2014-09-10 14:56:47	0	127.0.0.1	nsca	vakttornet	21699	Received invalid packet type/version from client - possibly due to client using wrong password or crypto algorithm?
6: info	10: authpriv	2014-09-10 14:56:46	2014-09-10 14:56:46	0	127.0.0.1	sshd	vakttornet	21691	Did not receive identification string from ::1
3: error	3: daemon	2014-09-10 14:56:42	2014-09-10 14:56:42	0	127.0.0.1	nsca	vakttornet	21679	Received invalid packet type/version from client - possibly due to client using wrong password or crypto algorithm?
5: notice	10: authpriv	2014-09-10 14:56:41	2014-09-10 14:56:41	0	10.1.1.254	sudo	10.1.1.254	0	_nrpe : TTY=unknown ; PWD=/ ; USER=root ; COMMAND=/root/scripts /check_openvpn_user.pl -S /tmp/openvpn-status.log -u raspberrypilcd
6: info	10: authpriv	2014-09-10 14:56:41	2014-09-10 14:56:41	0	127.0.0.1	sshd	vakttornet	21677	Did not receive identification string from ::1
6: info	3: daemon	2014-09-10 14:56:39	2014-09-10 14:56:39	0	127.0.0.1	xinetd	vakttornet	6367	START: livestatus pid=21664 from=::ffff:10.8.0.6
6: info	3: daemon	2014-09-10 14:56:39	2014-09-10 14:56:39	0	127.0.0.1	xinetd	vakttornet	6367	EXIT: livestatus status=0 pid=21652 duration=1(sec)
6: info	3: daemon	2014-09-10 14:56:39	2014-09-10 14:56:39	0	127.0.0.1	xinetd	vakttornet	6367	START: livestatus pid=21667 from=::ffff:10.8.0.6
6: info	3: daemon	2014-09-10 14:56:39	2014-09-10 14:56:39	0	127.0.0.1	xinetd	vakttornet	6367	EXIT: livestatus status=0 pid=21664 duration=0(sec)
6: info	3: daemon	2014-09-10 14:56:39	2014-09-10 14:56:39	0	127.0.0.1	xinetd	vakttornet	6367	EXIT: livestatus status=0 pid=21667 duration=0(sec)

Run query on archive

Query: [log_messages] all

Start time

yesterday

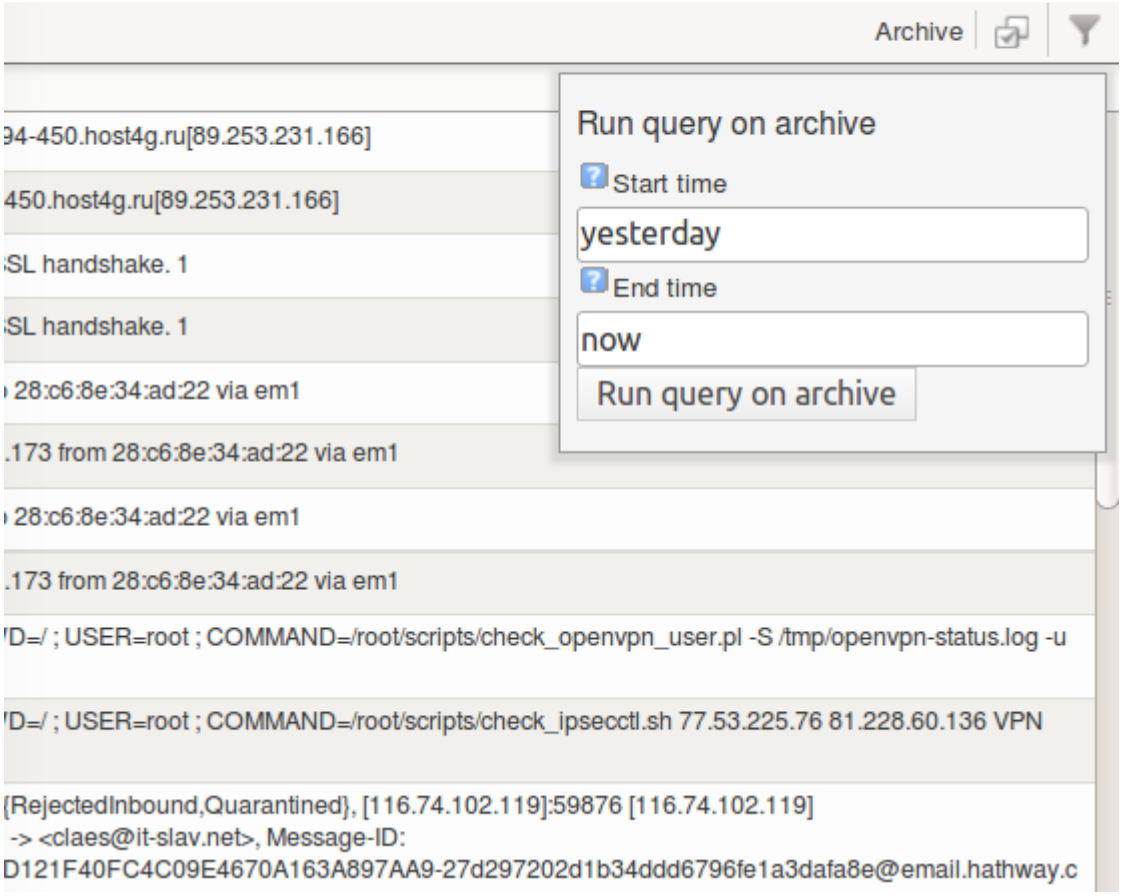
End time

now

Run query on archive

op5 Logger queries

- Logger queries
  - “Human” timestamp
  - Runs on active filter



op5 Logger report

op5 Monitor » Log archive search - Mozilla Firefox

https://vakttornet/monitor/index.php/logger/generate?start_time=today+00%3A00&end_time=now&query=[log_messages]+all

Monitor Admin at vakttornet.mynet | Log out

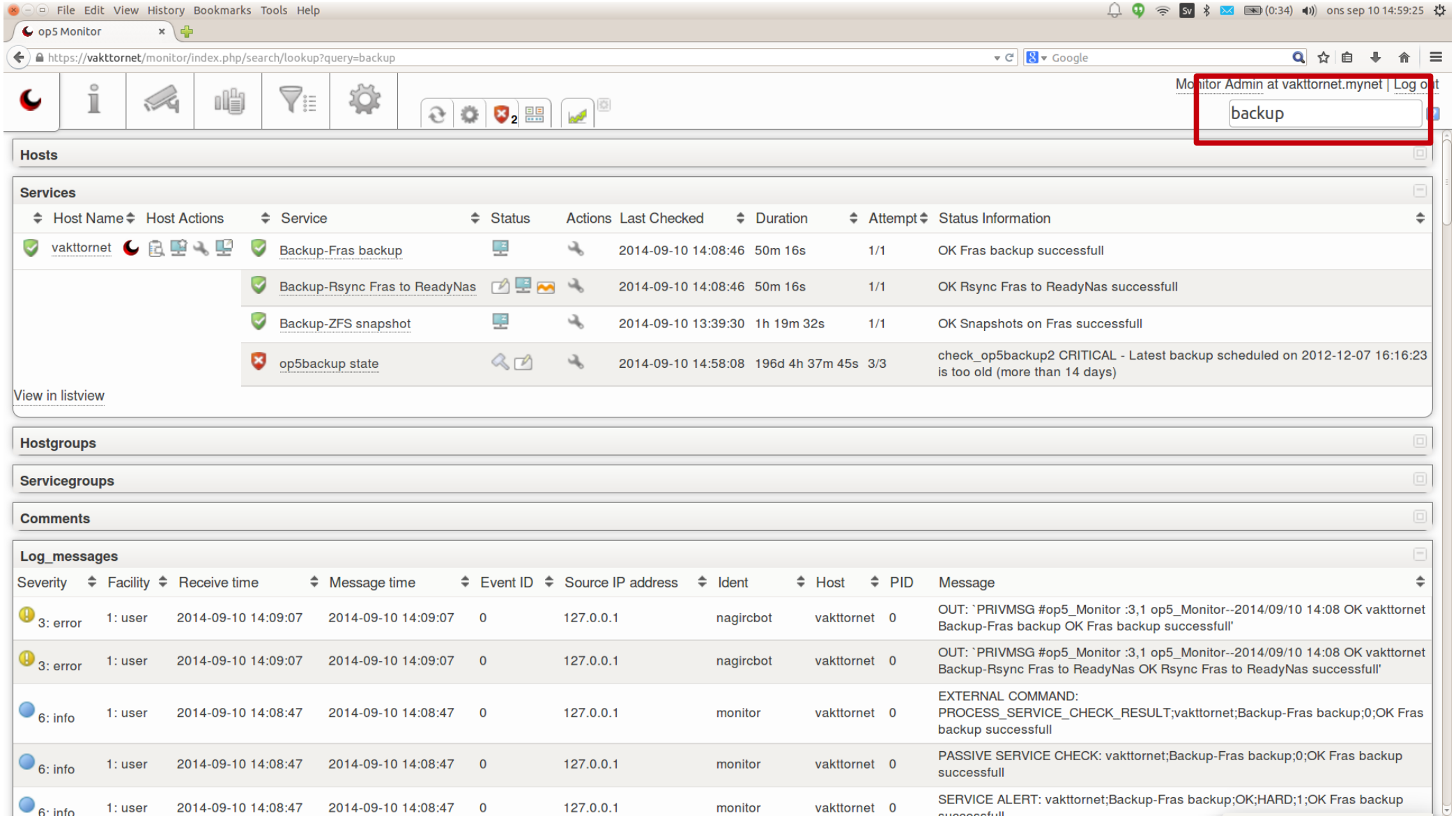
Search

Log archive search

Reporting period: From **2014-09-10 00:00:00** to **2014-09-10 15:00:13**

Source IP address	Receive time	Facility	Severity	Message time	Host	Ident	PID	Event	Message
127.0.0.1	2014-09-10 08:55:52	syslog	notice	2014-09-10 08:55:52	vakttornet	syslog-ng	1216	0	syslog-ng starting up; version='3.3.7'
127.0.0.1	2014-09-10 08:55:52	user	info	2014-09-10 08:55:52	vakttornet	yum	29541	0	Installed: op5-syslog-ng-4.0.0-op5.1.el6.x86_64
127.0.0.1	2014-09-10 08:55:53	user	info	2014-09-10 08:55:53	vakttornet	yum	29541	0	Installed: op5-logserver-gui-7.0.4-op5.1.el6.noarch
127.0.0.1	2014-09-10 08:55:54	authpriv	info	2014-09-10 08:55:54	vakttornet	sshd	1258	0	Did not receive identification string from ::1
127.0.0.1	2014-09-10 08:55:54	daemon	error	2014-09-10 08:55:54	vakttornet	nsca	1259	0	Received invalid packet type/version from client - possibly due to client using wrong password or crypto algorithm?
127.0.0.1	2014-09-10 08:55:54	authpriv	notice	2014-09-10 08:55:54	vakttornet	sudo	0	0	nobody : TTY=unknown ; PWD=/ ; USER=monitor ; COMMAND=/usr/bin/mon check latency service
127.0.0.1	2014-09-10 08:55:55	user	info	2014-09-10 08:55:55	vakttornet	python	0	0	op5keepalived reporting in. pid = 1273; session id = 1272;
127.0.0.1	2014-09-10 08:55:55	user	info	2014-09-10 08:55:55	vakttornet	yum	29541	0	Installed: op5-logger-backup-7.0.0-op5.1.el6.x86_64
127.0.0.1	2014-09-10 08:55:55	user	info	2014-09-10 08:55:55	vakttornet	yum	29541	0	Updated: op5kad-0.0.7-op5.1.x86_64
127.0.0.1	2014-09-10 08:55:56	user	info	2014-09-10 08:55:56	vakttornet	monitor	0	0	livestatus: Socket thread has terminated
	2014-09-10			2014-09-10					

Direct search



Information sources

Active checks

- "Normal way"
- Scheduled by op5 Monitor
- Example
  - SNMP get
  - check_http
  - CPU load via agent
  - WMI

Passive checks

- External scheduler
- Example
  - Backup job
  - Plugin that take looong time to run

Log messages

- Windows logs
- Debug
- Alert Enrichment
- Regulations like PCI
- Examples
  - Transaction
  - Application data
  - Firewall info
  - Security information

SNMPtraps

- Communication equipement
- Common appliance
- "Standard"
- Example
  - Routers
  - Switches
  - Printers
  - PBX

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API improvements

External Commands

- Ack. Hostproblem
- Ack. Service problems
- Schedule downtime
- Passive check result host
- Passive check result service
- Schedule host check
- Schedule service check
- Example
  - Mobile clients
  - 3rd party ticket handling

Filter

- Query
- Listviews
- (incl.traps and log messages)
- Count

Status

- Host, service, notifications etc.
- Host group, service group
- Example
  - External view
  - Visualisation
  - Ticket handling
  - Customer portal

op5 Monitor

REST/API

Configuration

- Input
- Output
- Change
- Example
  - CMDB's
  - Inventory
  - Mass-update, delete, change

API

XML, JSON, HTML

Report

- Report data
- Example
  - Ticket handling systems
  - 3rd party clients
  - Report tool

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Current op5 Logserver

- **Fully supported**
- We recommend trying the new Logger version in parallel with your old system and contact us when you are ready to upgrade.
- You cannot seamless upgrade your standalone current op5 Logserver to op5 Logger

- Contact us for a technical assistance if you want help with migration to op5 Logger

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Example, logger integration

Root cause analysis

Host Name	Host Actions	Service	Status	Actions	Last Checked	Duration	Attempt	Status Information	Logger
aftonbladet.se		HTTP Server			2014-09-05 11:37:21	1d 21h 12m 24s	1/3	HTTP OK: HTTP/1.1 301 Moved Permanently - 216 bytes in 0.017 second response time	Logger
dn.se		HTTP Server			2014-09-05 11:37:48	1d 21h 11m 57s	1/3	HTTP OK: HTTP/1.0 301 Moved Permanently - 116 bytes in 0.028 second response time	Logger
monitor		CPU - IO wait			2014-09-05 11:35:58	3d 18h 3m 50s	1/3	CPU OK : iowait 0.00%	Logger
		CPU - Idle			2014-09-05 11:37:12	7m 33s	1/3	CPU OK : idle 58.95%	Logger
		CPU - System usage			2014-09-05 11:37:54	24d 21h 21m 59s	1/3	CPU OK : system 10.00%	Logger
		Critical Syslog messages			2014-09-05 11:35:43	2h 14m 2s	1/3	FILTER OK - Log filter contains 0 logs	Logger
		Cron process			2014-09-05 11:38:15	24d 21h 21m 51s	1/3	PROCS OK: 1 process with command name 'crond'	Logger
		Dell open manage			2014-09-05 11:38:56	25d 22m 18s	3/3	ERROR: Alarm signal (Nagios time-out)	Logger
		Dell open manage global			2014-09-05 11:38:33	25d 22m 23s	3/3	ERROR: Alarm signal (Nagios time-out)	Logger

List view | Log_messages | Count: 112437 | Run query on archive

Severity	Facility	Receive time	Message time	Event ID	Source IP address	Ident	Host	PID	Message
5: notice	10: authpriv	2014-09-05 11:37:19	2014-09-05 11:37:19	0	127.0.0.1	dell-openmanage	maint70head	0	Dell Open Manage crashed
5: notice	10: authpriv	2014-09-05 11:36:47	2014-09-05 11:36:47	0	127.0.0.1	sudo	maint70head	0	nobody : TTY=unknown ; PWD=/ ; USER=monitor ; COMMAND=/usr /bin/mon check latency service
5: notice	10: authpriv	2014-09-05 11:36:40	2014-09-05 11:36:40	0	127.0.0.1	sudo	maint70head	0	nobody : TTY=unknown ; PWD=/ ; USER=monitor ; COMMAND=/usr /bin/mon check exectime service

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Features

Features

- Faster filtering in dialogue boxes.
  - Tests show that it can handle more then 100 000 objects
- Easier to define time-based filters.
- Possibility to show long plugin output in csv reports.
- Security enhancements in PNP and Nagvis by protecting cookies better.
- Manuals moved to online to ensuring the latest version is available

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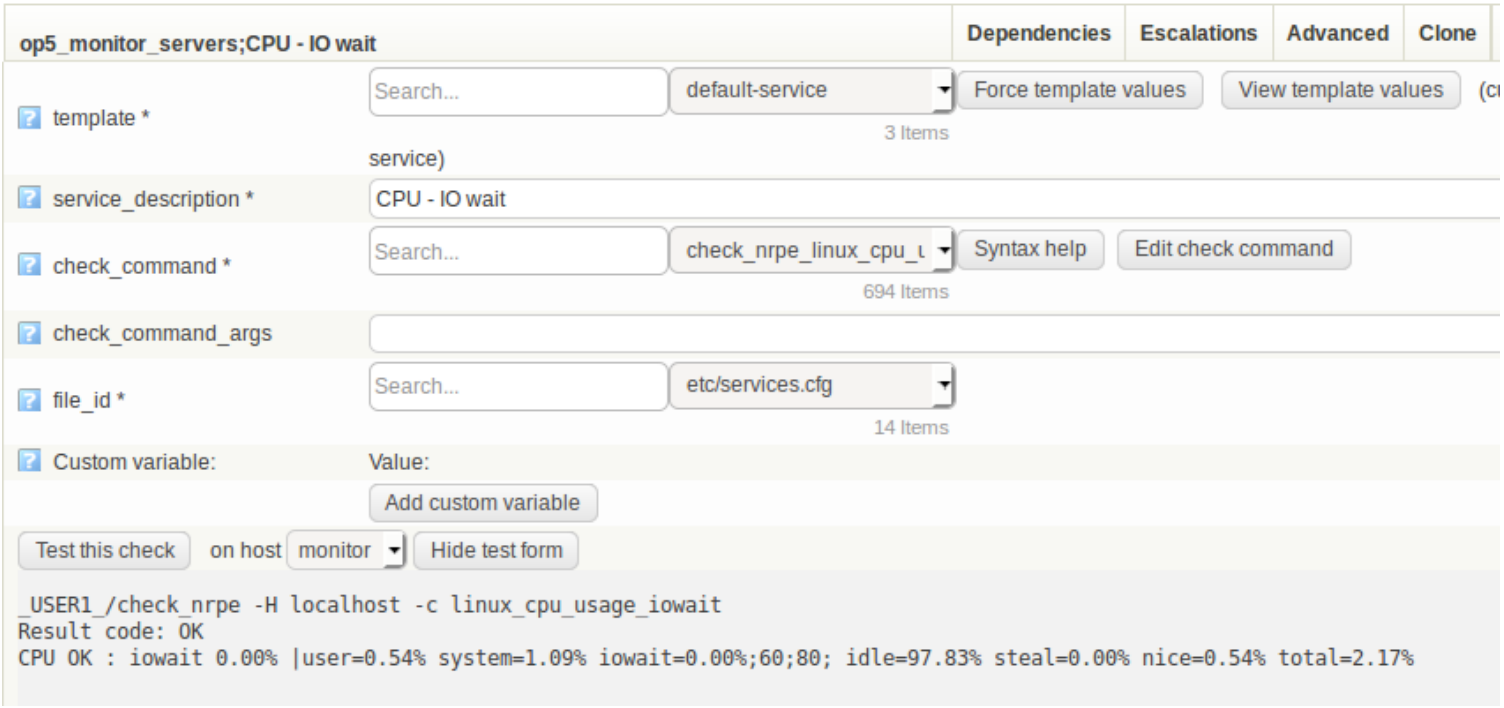
Features

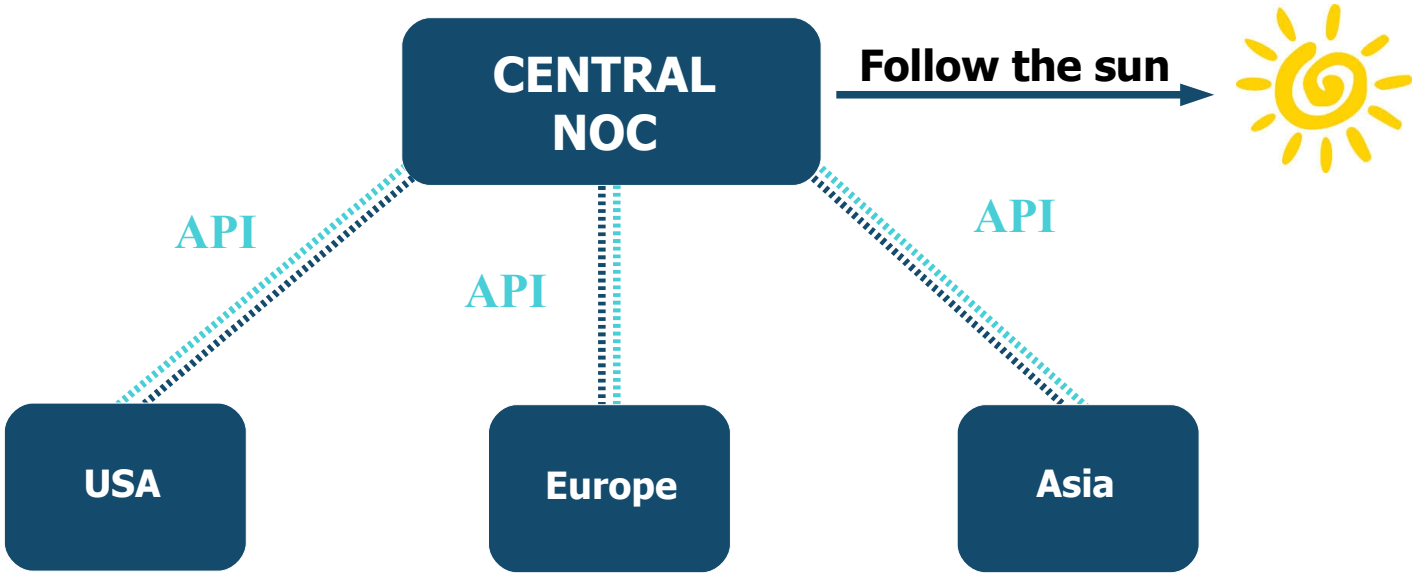
- Enhancement to “Test this button”
  - Added the possibility to select which host to use if the service is on a hostgroup.
  - Made it easier to re-try the execution.



Plugins

op5 HTTP API Plugin

- A plugin to easily query the op5 HTTP API on the same or a remote op5 Monitor host.
  - Makes it possible to have one central monitor system that gathers information from others via the API.
  - In combination with list filters very powerful possibilities arises, like:



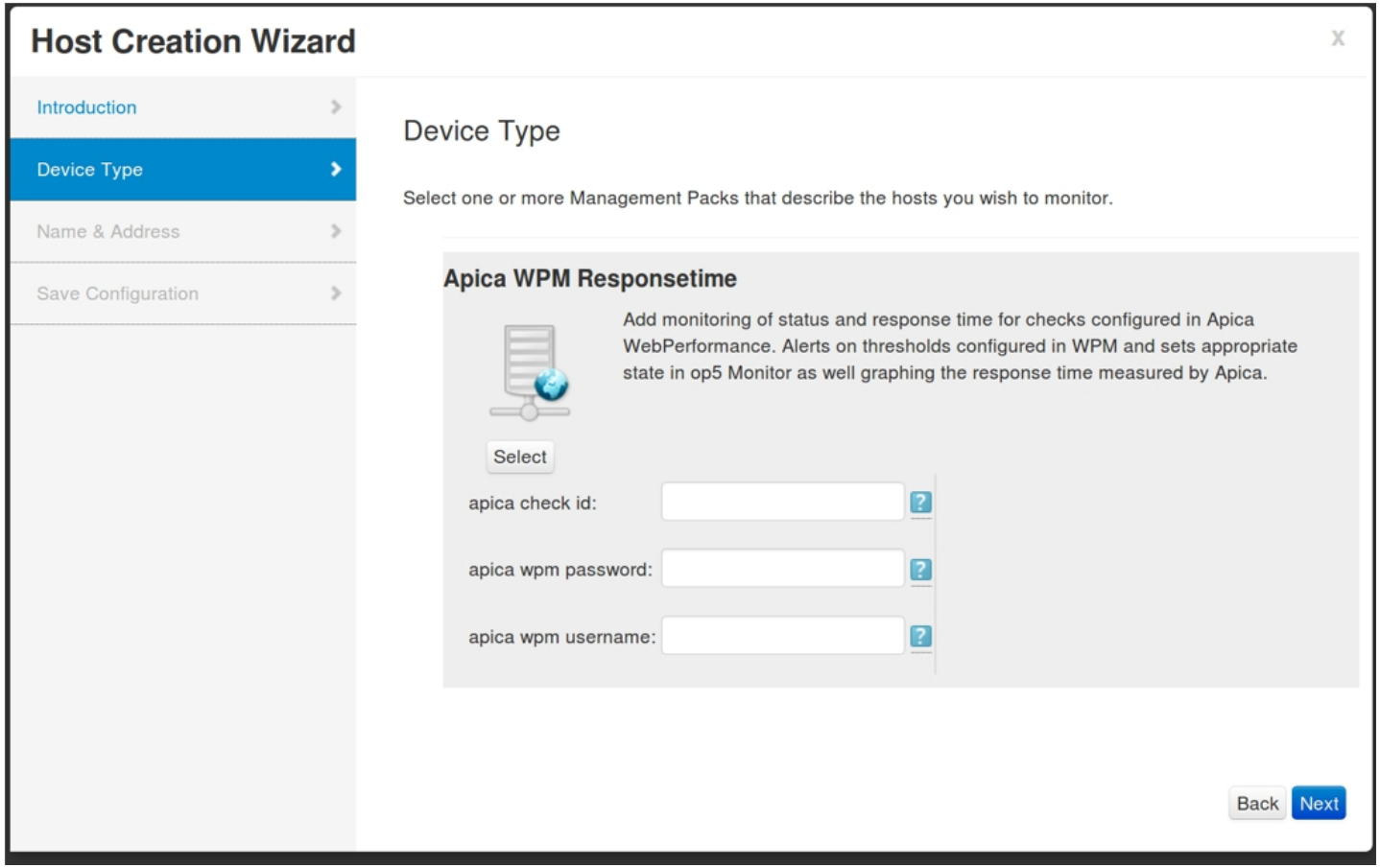
- Core Net **US**
- Core DB **US**
- Core APP **US**

- Core Net **EU**
- Core DB **EU**
- Core APP **EU**

- Core Net **AS**
- Core DB **AS**
- Core APP **AS**

Apica Plug-in

- New plugin: check_apica_responsetime
- Corresponding management pack to monitor status and response time for checks configured in Apica WebPerformance.



op5 Mobile App

op5 Mobile App

- App for IOS (7.x) & Android (4.x)
  - Check the IT environment whenever, wherever

- Main features:
  - All communication goes over secure API
    - All major solution today generally availible are built upon the old unsecured CGI
  - Full support for Listview
    - Host, services, status etc
  - Clear colour marks for status
    - Direct links to problem
    - Acknowledge in app

App Store

Google play

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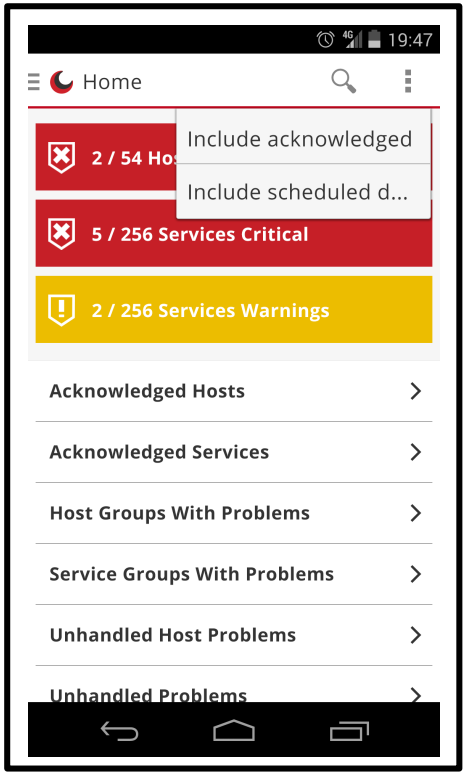
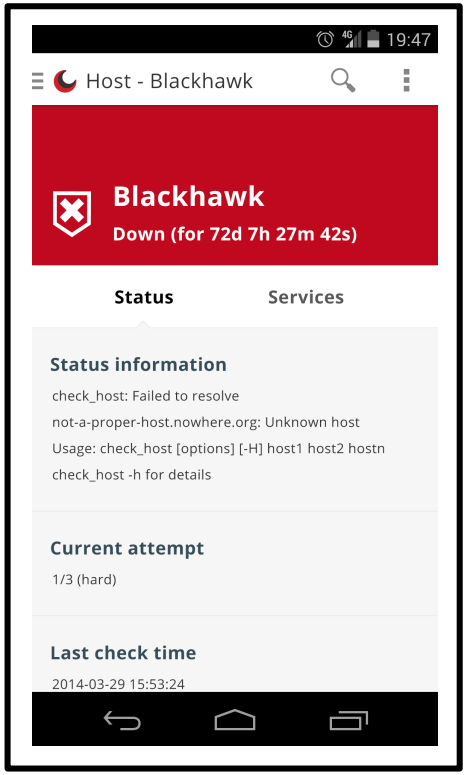
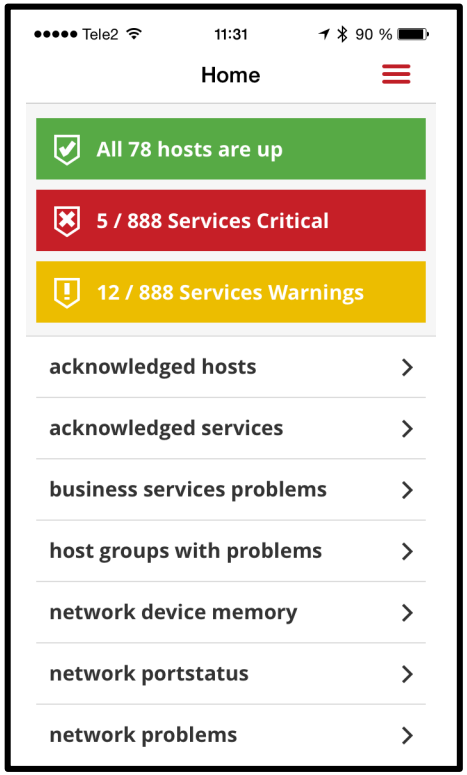
op5 Mobile App

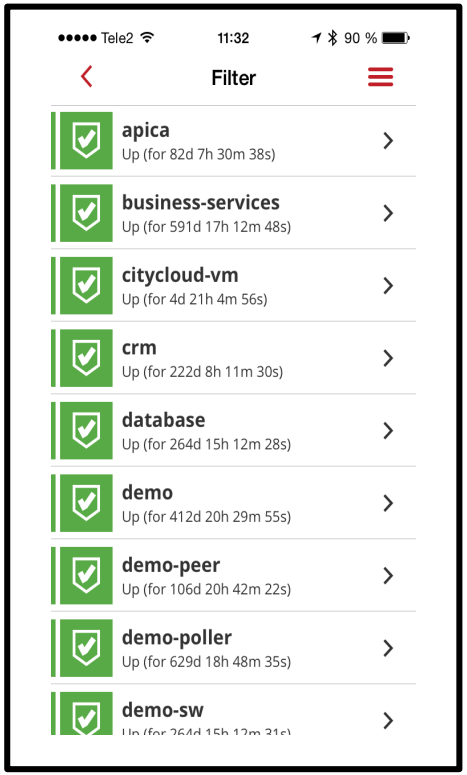




- Screenshots Android

- Screenshots iPhone





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Q/A

Knowledge base

Visit our Knowledge Base

Visit our Knowledge base: https://kb.op5.com

You will find manuals, how-to´s, management packs, tips and tricks and many other interesting spaces to browse through.

Get in touch

Get in touch with us

info@op5.com

cr@op5.com

Please contact us for a one-to-one demo or if you have a question