

checkmk Technology Preview: BI Visualizations

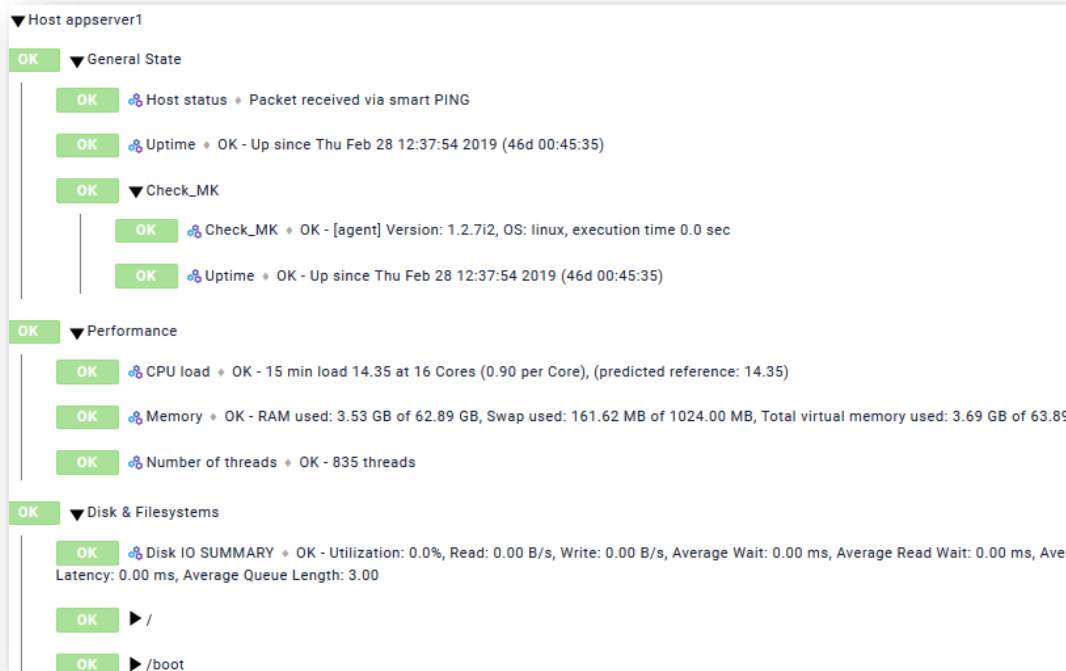
CHECKMK CONFERENCE #5 – MUNICH, APRIL 29, 2019

Agenda

1. CURRENT BI VIEWS
2. NEW BI VISUALIZATIONS
3. DEMO



BI Aggregations: Powerful...



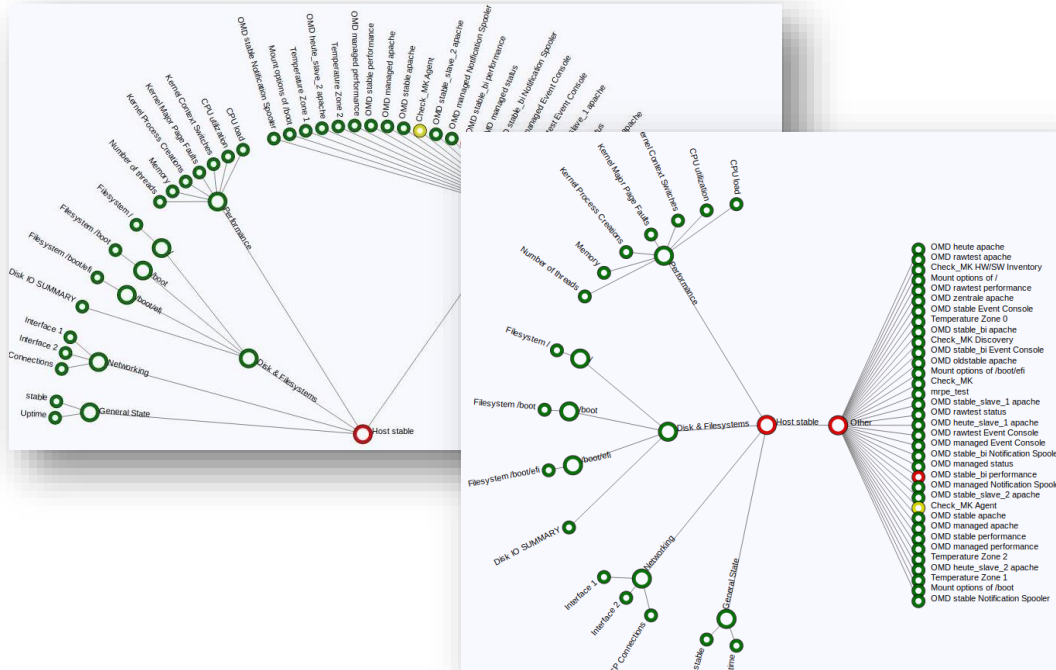
- BI module offers powerful aggregation logic for checkmk
- Offers various layouts
 - Tree view
 - Boxes
 - Table

...yet sometimes visually challenging

OK General State	OK appserver1	Most status	Packets received via smart filter	
	OK appserver1	Uptime	Up since Thu Feb 28 12:41:55 2019 (46d 00:45:35)	
	OK Check_MK	OK appserver1	Check_MK	OK - [agent] Version: 1.2.712, OS: linux, execution time 0.0 sec
	OK appserver1	Uptime	Up since Thu Feb 28 12:41:55 2019 (46d 00:45:35)	
OK Performance	OK appserver1	CPU load	OK - 15 min load 14.35 at 16 Cores (0.90 per Core), (predicted reference: 14.35)	
	OK appserver1	Memory	OK - RAM used: 3.53 GB of 62.89 GB, Swap used: 161.62 MB of 1024.00 MB, Total virtual memory used: 3.69 GB of 63.89 GB (5.8%),	
	OK appserver1	Number of threads	OK - 835 threads	
OK Disk & Filesystems	OK appserver1	Disk IO SUMMARY	OK - Utilization: 0.0%, Read: 0.00 B/s, Write: 0.00 B/s, Average Wait: 0.00 ms, Average Read Wait: 0.00 ms, Average Write Wait: 0.00 ms, Latency: 0.00 ms, Average Queue Length: 3.00	
	OK /	OK appserver1	fs_ /	OK - 36.3% used (47.25 of 130.26 GB), trend: 0.00 B / 24 hours
	OK /boot	OK appserver1	Mount options of /	OK - Mount options exactly as expected
	OK /boot	OK appserver1	fs_/boot	OK - 23.8% used (113.20 of 476.22 MB), trend: 0.00 B / 24 hours
	OK /boot	OK appserver1	Mount options of /boot	OK - Mount options exactly as expected
	OK /opt/omd/sites	OK appserver1	fs_/opt/omd/sites	OK - 21.4% used (97.63 of 456.44 GB), trend: 0.00 B / 24 hours
	OK /opt/omd/sites	OK appserver1	Mount options of /opt/omd/sites	OK - Mount options exactly as expected
	OK /tmp	OK appserver1	fs_/tmp	OK - 5.7% used (111.00 MB of 1.91 GB), trend: 0.00 B / 24 hours
	OK /tmp	OK appserver1	Mount options of /tmp	OK - Mount options exactly as expected
	OK /var/lib/icinga	OK appserver1	fs_/var/lib/icinga	OK - 63.3% used (62.26 of 98.30 GB), trend: 0.00 B / 24 hours
	OK /var/lib/icinga	OK appserver1	Mount options of /var/lib/icinga	OK - Mount options exactly as expected
	OK /var/lib/mysql	OK appserver1	fs_/var/lib/mysql	OK - 30.0% used (162.58 of 541.25 GB), trend: 0.00 B / 24 hours
	OK /var/lib/mysql	OK appserver1	Mount options of /var/lib/mysql	OK - Mount options exactly as expected
OK Host appserver1	OK appserver1	Interface 2	OK - [eth0] (up) MAC: E4:1F:13:EB:55:4A, 1 Gbit/s, in: 0.00 B/s(0.0%), out: 0.00 B/s(0.0%)	
	OK appserver1	Interface 3	OK - [eth1] (up) MAC: E4:1F:13:EB:55:4B, 1 Gbit/s, in: 0.00 B/s(0.0%), out: 0.00 B/s(0.0%)	
	OK appserver1	Interface 4	OK - [eth2] (up) MAC: E4:1F:13:EB:55:4A, 1 Gbit/s, in: 0.00 B/s(0.0%), out: 0.00 B/s(0.0%)	
	OK appserver1	Interface 6	OK - [eth4] (up) MAC: 00:15:17:75:83:5F, 1 Gbit/s, in: 0.00 B/s(0.0%), out: 0.00 B/s(0.0%)	
	OK appserver1	Interface 7	OK - [usb0] (up) MAC: E6:1F:13:EB:55:49, speed unknown, in: 0.00 B/s, out: 0.00 B/s	
	OK appserver1	Interface 8	OK - [bond0] (up) MAC: E4:1F:13:EB:55:4A, 2.00 Gbit/s, in: 0.00 B/s(0.0%), out: 0.00 B/s(0.0%)	
	OK appserver1	TCP Connections	OK - ESTABLISHED: 52, SYN_SENT: 1, TIME_WAIT: 1115, LISTEN: 20	
	OK appserver1	DRBD drbd0 disk	OK - write/sec: 0.0kb read/sec: 0.0kb	
	OK appserver1	Heartbeat CRM monitoring	OK - fs-r0 (ocf:heartbeat:Filesystem): Started sv-1, cluster-ip (ocf:heartbeat:Paddr2): Started sv-1, pri_fs_omd (ocf:heartbeat:Filesystem): Started sv-1, pri_proc_omd (ocf:omd:omd): Started sv-1	

- Especially for larger aggregations, layouts are a bit cumbersome to use
- Lots of scrolling...

This is why we are building a new visualization



- Intuitive
- Fully customizable
- Zoomable

Let's take a look...

