

Checks & Agents

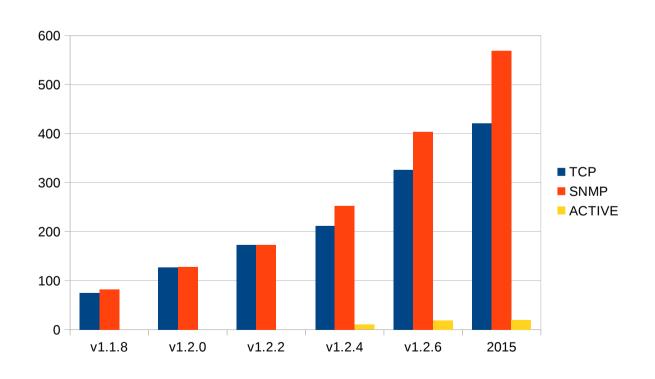
New Check Plugins

Version 1.2.6:

October 2015:

748 check plugins

1008 check plugins





This is an increase of ...







Complete list of all Werks in category "Checks & Agents" (only class "Feature")

#1554 mk, practe: You can now monitor multiple ORACLE releases on the same host #1554 mk, cracle: You can now monitor multiple ORACLE releases on the same host #1550 chespoint, connections, checkgoint packets monitor exhects to monitor Checkgoint freewalls #1550 chespoint, connections, checkgoint packets monitor exhects to monitor Checkgoint freewalls #1550 femamed service descriptions of fliesystem, process and logwatch, checks #1550 checkgring, agent freeducts serveral new features and improvements, now only use statigrab #1580 mesch, dag contentindes, misech, dag copyaqueue, misech, dag dbcopy; new checks for MS Exchange Malblos Servers in a DMG maiorox servers in a JMs. #1820 men.limux: new dedicated check for Linux memory management #1813 diskstat: detect multipath devices and handle them instead of the physical paths #1668 literface groups: Can create groups out of inferice lein mames #1859 netscaler pleatifs.in, netscaler health.psus, netscaler health.temp: new checks to monitor the health of Citrix Netscaler Loadsblancers scaler Losdbalancers 1346 of and other filesystem checks: process total fs size as perfdata 1347 agent; u.e.; bladecenter. Monitos U.C.S Bladecenter via Web-API 23083 Added Sensers P.C. (ESP) monitoring 12008 Added Sensers P.C. (ESP) monitoring 12005 winger f. if. Now able to automatically group teamed interfaces and more 12006 Web-Cebc. can now impose limits on the number of outgoing and incoming non-unicast packets per second #2100 into street can now impose imms on the number or outgoing and incoming n #2057 New checks for postgreet, immstoring #2137 diskstat: new implementation of Linux Disk 10 check #2104 aix; if. new agent section and check #2104 into JEDR monitoring: Additional checks for AlX (and presumably linux) #2154 interface: Despared traffic thresholds for in and out are now possible #2154 interface-Checks: Separate traffic thresholds for in and out are now possible #1903 mit, cracke famented Monitoring of Oracle Databases #2201 agit. New check for checking pending APT updates on Debian and Ubuntu #2271 logwards. For Now able to create a single check for each logifie forwarded to the event console #2317 agent ruckus, spot: new special agent for querying access point statistics via web interface #2317 agent ruckus, memory, apoptimus, seeson, songharmacis, seel container. New checks for AppDynamic. #2398 agent_vsphere: now able to opt-out of servers ssl certificate check #2425 agent hp msa: New special agent to monitor "HP MSA Storage" devices #1422 agent sighter now able to configure where the grove state of a vm or ex-host should be assigned #1442 tags, sciones, cut sources here hore for checking he power source of our phases for Socornec UPSs #0652 domino, maliqueies: new check to monitor mail quiese in Lobus Domino #1189 Weam: Client: Check now also outputs FeedSize and TarnsferedSize #0663 domino jinfor new check to extract informational data about a Lobus Domino Server #0664 domino justices: new check to monitor the number of users on a Domino Notes server 46644 dominic flues: new cinck to monitor the number of users on a Dominio Notes server 4147 dominic flues: new cinck to monitor the number of transactions per minute on Lotus Domino servers 41190 datapral; cpu: Check can now handle parameters 41190 datapral; cpu: Check can now handle parameters 41190 datapral; cpu: Check can now handle parameters 41193 ps: Manual Checks can now use Regis for user matching 41194 liunx Agent now supports monitoring of clis mounts 41195 ps: Manual Checks can now use nontroming of fis mounts 41195 ps: Manual Checks can now use nontroming of fis mounts 41195 ps: Manual Checks can now use nontroming of fis mounts 41194 ps: Manual Checks can now use nontroming of the mounts 41197 climavented, leme, New Check for temperature sensors on Climavented actima devices 41196 (climavented, leme, New Check for temperature sensors on Climavented actima devices 41199 climavented, leme, New Check to display the alams states on Climavented devices 41196 (climavented, leme, New Check to display the alams states on Climavented devices 41196 (climavented, leme, New Check to display the alams states on Climavented devices 41196 (climavented, leme, New Check to display the alams states on Climavented devices 41197 climavented advices and the climavented devices 41197 climavented active control of the climavented devices 41117 (added new check for monitoring mail delivery (SMTP - BMAPPDGP mailbox) 41117 (added new check for monitoring mail delivery (SMTP - BMAPPDGP mailbox) 41117 (added new check for monitoring mail delivery (SMTP - BMAPPDGP mailbox) 41117 (added new check for monitoring mail delivery (SMTP - BMAPPDGP mailbox) 41117 (added new check for monitoring mail delivery (SMTP - BMAPPDGP mailbox) 41117 (added new check for monitoring mail delivery (SMTP - BMAPPDGP mailbox) 41117 (added new check for monitoring mail delivery (SMTP - BMAPPDGP mailbox) 41117 (added new check for monitoring mail delivery (SMTP - BMAPPDGP mailbox) 41117 (added new check for monitoring mail delivery (SMTP - BMAPPDGP ma aries #1448 domino info: check is extended to also show and monitor the InNotesServerState #31448 Gomino, Infoc: check is extended to also show and monitor the Inhotes-Server/State #31598 #, If64-Few pedition for make invested to place a proper takes #31598 #, If64-Few pedition for make invested to place a proper takes #31440 livedrump: now able to add hosts icon jumage on conflig generation #31517 card; essons: New check for monitoring temperature sensors of Card AC devices #3151 Fac judge pedition; New theck for monitoring temperature sensors of Card AC devices #3151 Fac judge judge performance data for connections and connection rate #3151 Fac judge judget, and interfact part of pulse, summary, Modified existing check to give one item per phase and support # 1395 esx /spirete_oigecsc_count- we unkest to output the number or wise #150F positin, putic, speedup in I niux agent for large mail queues #1611 inssql.vbs: Supporting SQL-Server 2014 now #1616 inssql.vbs: Supporting SQL-Server 2014 now #1616 inssql.vbs: Supporting SQL-Server 2014 now #1616 instgl.vbs: Queue, putic, put #1.10 ang. dats: Added support for Fujitsu MAS (7802 #1.16 didd: Added support for Analéheind cluster states (DRBD >= 8.3.10) #1.627 megaraid júsiss: Wani fururent cache or write policy differs from logical drive default policy #1.630 smart: upolice in julighin that also outputs information about disks attache to a NegaRJD controller #1.631 smart: upolice to put state: check now detects and supports more differen device models #1.634 Added basis chem section to freeED3 agent? poorting the fine MBG-TAÄTINE+, MG-MB #2129 My-OL- THM My-OL-Planin now supports multiple instances #2128 My-OL- THM My-OL-Planin now supports multiple instances #2138 df filesystem check now outputs performance data for inodes (and shows a graph) #2131 missql counters. flie gizes: Fix now possible to set levels for filesizes #2105 mbg lantime ng. reflock: new check for Meinberg LAKTINE clocks supporting the new MBG-LAKTIME-NG MB #2002 grouped interfaces: additional information in check output and new port state 'degraded' #2003 winperf lif- now also able to detect the interface port state 'ownerLayerDown' #2105 simens pic counters added now check for monitoring increasing counter values #2106 ask, sap processilist: new check and agent plugin to monitor the process list of SAP Application Server traces on ARS systems. #1597 bluecat dhcp, bluecat dns: Checks can now be used in Check MK Cluster Mode #1599 Check_mk_agent.aix: Simple run_cached Feature for plugins #1699 Windows agent: new option "file" for writing output into a file #1684 cisco_vpn_tunnel: Now supporting VPN 3000 Conncentrator d

```
#1694 cisco_wlc/cisco_wlc_clients: Added support for Cisco AIR-CT2504-K9
#1734 check_sql: Added support for DB2 (thanks to Troels Arvin)
#1757 Check SSH can pow be configured in WATO
                                                              #1782 mesch replhealth: new check for monitoring health of MS Exchange DAG
#1207 services: Check can now be configured with additional names for matching
                                              #1207 services: Check can now be configured with ádditional names for matching
#1786 cass, cpu men, cass, cpu tilen, cass, cpu will, cass, and, sae, power support more devices, also C100G
#1787 localistic channels upstream, docsis, channels downstream: now also support CSA$ 100G
#1787 localistic channels upstream, docsis, channels downstream: now also support CSA$ 100G
#1787 localistic channels upstream, docsis, channels downstream: now also support CSA$ 100G
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#1840 entecliser men: new check to moint of the memory usage of Clirix Netscaler Appliances
#1822 raise; undec secretary and the secretary and t
#1219 synology_disks, synology_fans, synology_info, synology_raid, synology_status, synology_update: Multiple
Synology NAS Checks
#1988 glogic (Eport, glogic_sanbox, glogic_sanbox_fabric_element: Supporting SAN Switch Module for IBM
                                                      #1220 if if64: Discovery can now be based on nort description
                                                      #1220 if, infs-t isscovery can now be based on port description
#1390 Windows agent: now all be to unpack plugins, cap file (created by Check_MK agent bakery)
#1393 East, vsphere, objects: now able to set a different alert level when the hostytum reports 'unkn
#1222 mbg Jannien ong states: Support for the new Menberg Lantime MB (MBG-LANTIME-N-G-MB)
#13961 akep exp humidity, akcp exp_smoke, akcp_exp_temp, akcp_exp_water. New checks to mortrly-robbe and expension boards
                                         curily-probe and expansion boards and expansion boards of 1992 enc. diadromia temps, reads configurable via WIXO, add Pr4O. Meter 1992 enc. diadromia temps, reads configurable via WIXO, add Pr4O. Meter 1992 enc. diadromia temps, reads configurable via the problem of the top via differ from 21 at 1992 of 50 show usages near to zero with a higher precision - not simply as 0.00 at 1998 bits with configurable via the problem of the problem o
                                                      #1991 emc datadomain temps: make configurable via WATO, add Perf-O-Mete
                                                  # 3125

symphony_alerts.ansymphony_pool.sansymphony_ports.sansymphony_serverstatus, sansymphony_virtualdiskstatus:

Checks for Obatscore Sansymphony
#3256 winepf_receives additionally_reports_user_and_privileged(system) time
#3256 winepf_receives additionally_reports_user_and_privileged(system) time
#3256 winepf_receives additionally_reports_user_and_privileged(system) time
#3256 winepf_receives additionally_reports_user_and_privileged(system)
#3212 winepf_privileged(system)
#3212 winepf_privileged.allow_device to appear more than one time in agent output
#3210 winepf_privileged.allow_device_and_privileged(system)
#3210 winepf_privileged.allow_device_and_privileged(system)
#3210 winepf_privileged.allow_device_and_privileged(system)
#3210 winepf_privileged.allow_device_and_privileged(system)
#3210 winepf_privileged(system)
#3210 winepf_privileged(syst
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#2156 Interface-Checks: Can now be configured to use predictive traffic level: #2165 aix_agent: Local checks can now also be executed in run cached mode #1830 oracle_rman: added detection of INCR0/1 backups #1900 mk_oracle: added oracle session environment #1901 mk_oracle: IGNORE_DB_NAME for special environments #1902 mk oracle: Performance hint for RMAN checks

```
#1272 alcatel_power, alcatel_temp Support for stacked environments
#1273 bvip_cams, bvip_fans, bvip_info, bvip_link, bvip_poe, bvip_temp, bvip_util, bvip_video_alerts: New Checks for
Bosch Video over IP Cameras
                                                                       #2405 ucs_bladecenter_topsystem, ucs_bladecenter_faulinst: new checks for UCS bladecenter
#2451 wut webtherm.humidity, wut webtherm.pressure: Two new checks for humidity and air pressure sensors for
          ## 2453 wut, webthern.humidity, wut, webthern.pressure. Two new checks for humidity and air pressure sensors for Wurl devices. White process are not to the configured to subth as distables under a register of the procure (put, high procure) process and process from control in P2920 Switch Stack. ## 2287 flaghy=500, cadaps flaghy=500 cmods flaghy=500, cmods flaghy=500 cmods flaghy=500 process flaghy=500 cytes flaghy=500 devences flaghy=500 cytes flaghy=500 process flaghy=500 cytes flaghy=500 process fla
#2290 hg. procurve_temp: new check winch monitors are system excuperative.

#2720 the judget_fire_grow_nowinoist he named of access points of all juniper trapeze devices which

#2721 the judget_fire_grow_nowinoist he named or access points of all juniper trapeze devices which

#2722 learny_nowinoist_fire_counters_new check to the heritax Alammanager flow

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#2731 sentry_now_nowinoist_fire_counters_new check so which monitor the system power consumption and

outed states of sentry_pdi_devices which support the Sentry_3-MIB

#2731 sentry_nowinoist_fire_counters_new counters_nowinoist_fire_counters_new counters_new counte
                                                                  #2417 winger_flyydisk: can now work in a cluster environment
#2323 imm: new York cluster special sensors and activated/sectivate summarizing
#1277 check_(dap; it is now possible to specify a alternative frostname
#1277 check_(unit pit.) and the processible of the SNO_Sections
#1278 check_(unit pit.) and the SNO_Sections
#1278 check_(u
                    devices
#2528 emc_isilon_cpu, emc_isilon_ifs: New checks for cpu utilization and the combined cluster storage on EMC Isilon
devices.

25.35 emc_tiblen_tpu_emc_slion_ifs. New checks for cpu utilization and the combined cluster storage on EMC is a storage devices.

21.35 semel.util can now be configured to warn if a single cpu core exceeds a utilization threshold for a while e2.15 windows agent: is now downward compatible to winZk.

21.18 windows agent: is now downward compatible to winZk.

21.28 increases a special agent (treasure).

21.29 the control of the properties of the source of the properties of the source of the properties. A storage of the properties of the source of the properties. A storage of the properties of the source of the properties. The properties of the source of the properties of the source of the properties. The properties of the source of the properties of the source of the properties. The properties of the properties of the source of the properties of the properties of the properties. The properties of the properti
                                                                            #2565 dell om disks now warns if SMART predicts disk failure
                                                        #2555 dell om disks now wars if SMART predicts disk failure
#2572 dell om disks: New check for virtual disks no Peld openhanage supported devices
#2586 libm imm fan: lower and upper levels are now configurable
#2581 binn imm fan: lower and upper levels are now configurable
#2581 principe true, jumper fix, jumper men, jumper jamm: new checks for a jumper Ethernet Switch
#2588 encorus, 5p, util: new check which monitors the stonage processor utilization of an EMC VMX Storage System
#2589 encorus, 5p, util: new check which monitors the stonage processor utilization of an EMC VMX Storage System
#2589 encorus, 5p, util: new check which monitors contact grain processor of printing Power Analyses.
#2589 encheck rating emcs spittled into three subchecks
#2589 encheck rating emcs spittled into three subchecks
#2589 encheck rating emcs spittled into the subchecks
#2589 encheck rating PXD evice
#2581 grain fan PXD evice
#2581 grain fan emcs sensors new check which monitors contact, temperature, humidity, air flow and pressure sensors
enceted to a Ratina PXD evice
          connected to a Barlian EMD Device

Connected to a Barlian EMD Device

Extreme Networks Swiftches

### The Property of the Prop
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CSM devices

#2635 pandacom_psu, pandacom_fan, pandacom_sys_temp, pandacom_10gm_temp, pandacom_fc_temp: ner

#2635 pandacom_Superficienter (chassis Su cisc for Pandacon SpeedCarrier Chassis 5 u
3423 inferface faces, now able to configure the inferest stown in the check output
4233 inferface faces, now able to configure the inferest stown in the check output
4235 Windows Apert Carn now read additional settings from an optional check, mic local in file
42555 Windows Apert Carn now read additional settings from an optional check mic local in file
42556 windows apert can now optionally output the full command line in the ps such
42556 windows apert can now optionally output the full command line in the ps such
42556 windows apert can now potential or object to the check for the etherbox 2 (from firmware version 1.21 on) / MessPC
42512 check, thirty Carn now be configured to check via Pix.

#2196 winperf_if: for Windows interfaces show original Windows state names #2199 livestatus_status: now in addition check master settings of monitoring core 2115 bluent, meter new check to monitor energy and power related parameters of Bachmann Bluenet PDUs 2115 bluenet, meter new check to monitor energy and power related parameters of Bachmann Bluenet PDUs 2125 bluenet, tree; new option for pringing the lost alias or an explicitly address. 2121 netaps, journal public p #2275 windows agent: new subfolders, improved folder cleanup during uninsta #2276 mk_inventory.ps1: now uses directory ./state for its statefiles #2277 mk_oracle.ps1: changed location of conflig file # 2215 mir. inventorypat. I now used outertow yabatish or its statement and provided in the company of the comp #2308 agent_vsphere, esx_vsphere_sensors: now reports additional sensor information (cpu, storage controller, #2327 mbg lantime ng state, mbg lantime state: change default parameters to 2/3 for stratum, 10/20us for offset a 2439 agent vyanous Checks for Citrix RenApp 7.x farms 23939 agent vyanerelez- vyaher, counters. If now also reports interface state, bandwidth and mac address a 1392 check_dist, check_dist, check_state, into it is now possible to customize the service descriptions of this checks a 1392 check_dist, check_dist, check_state, and the counterpart of the counterpart of the checks and printer pages, printer pages, printer, pages, rich, printer pages, include a 1219 db. checks: new mit, Buž. linux agent supporting the existing dbz. checks 1219 db. checks: new mit, Buž. linux agent supporting the existing dbz. checks 1219 db. checks: new mit, Buž. linux agent supporting the existing dbz. checks





Just a few examples





#1665

agent_netapp: New special agent for NetApp monitoring via Web-API





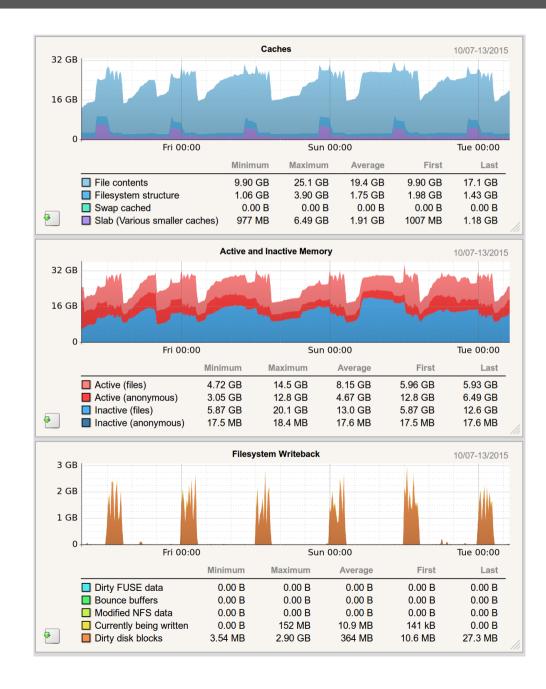
#1820

mem.linux: new dedicated check for Linux memory management



CHECK_MK KONFERENZ 2015 MUNCHEN

KONFERENZ 2015 #1820 mem.linux







#1831

diskstat: detect multipath devices and handle them instead of the physical paths





#2057 New checks for postgreSQL monitoring





#2057 PostgreSQL

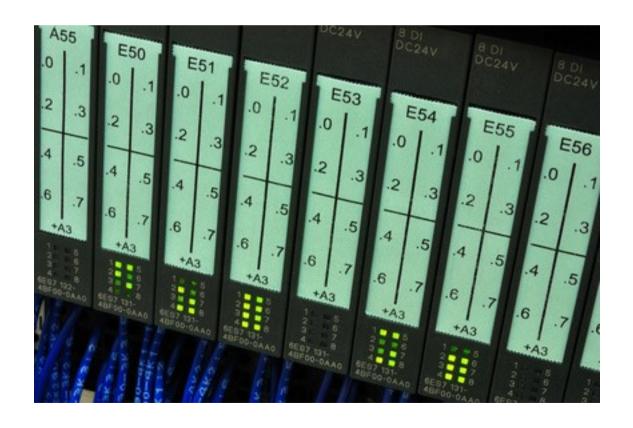
Check	Description	Limits configurable
postgres_bloat	Size of wasted table- and indexspace	X
postgres_connections	Number of connections to database	X
postgres_locks	Number of SharedAccess and ExclusiveLocks	X
postgres_stats	Time of last VACUUM and ANALYZE	X
postgres_query_duration	Displays longest running query	
postgres_version	Displays PostgreSQL version	
postgres_conn_time	Time to connect to database	





#2038 SPS Monitoring

#2083 Added Siemens PLC (SPS) monitoring







D	evices to fetch	information from
		Name of the PLC
		Network Address 10.1.8.9
		Number of the Rack 0
		Number of the Slot 0
		TCP Port number 102
		Connect Timeout
		Values to fetch from this device Add new element
	Add new el	ement
V	alues to fetch fr	om all devices
		Area Address Datatype Type of the value Ident of the value Datenbaustein 1 0.0 Double Integer (DINT) Seconds
	Add new el	ement





Check Harmonisation



Harmonisation

Goals of harmonisation of checks:

- Identical user experiance for all checks of same type
 - Example: same output text, same graphs
- Simpler code (by using common code)
- Better feature set
 - Example: all temperature checks support trend detection



Harmonisation

Believe it or not:

Check_MK ships
72
check plugins for temperatures!

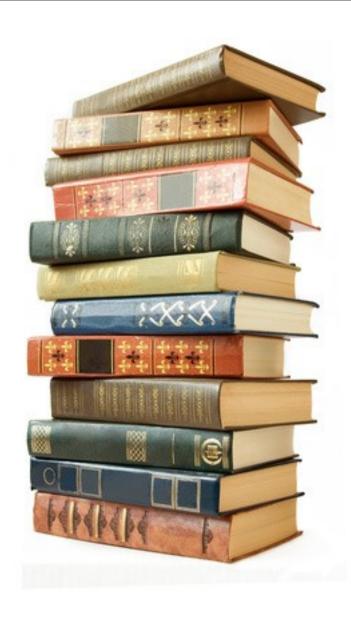


Harmonisation

Current situation

- Some areas are already harmonised:
 - Temperature checks
 - Humidity
 - Electrical phase
 - Fans
 - Disk IO
- Others are still to do:
 - e.g. Storage devices (disks)





Check Catalog



Now directly integrated into WATO



Appliances, other dedicated hardware

Switches, load balancers, storage, UPSes, environmental sensors, etc.



Operating systems

Plugins for operating systems, things like memory, CPU, filesystems, etc.



Applications

Monitoring of applications such as processes, services or databases



Networking checks without agent

Plugins that directly check networking protocols like HTTP or IMAP



Generic check plugins

Plugins for local agent extensions or communication with the agent in general



- Description of the Check
- Direct link to parameter rule set
- Example for parameters

Title	Age and size of files				
Name of plugin	fileinfo				
Description	This check monitors the size and age of specific files in the target host's filesystem. You can set lower and upper limits on both the modification and the size of a file. When the file is missing then the check will go UNKNOWN.				
	This check needs some configuration in the agent, as the agent needs to know the information about which files need to be sent.				
	Currently Windows, Linux, FREEBSD, MACOSX and Solaris agents supports this type of check.				
	For windows, the configuration is done in check_mk.ini in the section [fileinfo]. Put one or more entries of the format path = C:\Some Dir*.log into this section. The agent will send all files that match the pattern. Wildcards are only allowed in the filename part, not in the directory path.				
	For Linux, FREEBSD, MACOSX and Solaris the configuration is done via fileinfo.cfg located in the \$MK_CONFDIR (usually /etc/check/fileinfo.cfg). To add files to the check, simply add one path pattern /tmp/*.log per line. Wildcards or patterns can be used as usual or console.				
Service name	File □				
Parameter rule set	✓ Size and age of single files				
Example for Parameters	□ Minimal age				
	□ Maximal age				
	□ Minimal size				
	□ Maximal size				
	□ Only check during the following times of the day				



News in the Core System

Automatic Service Discovery

State	Service	Icons	Status detail
ок	Check_MK		Agent version 1.2.7i3, execution time 0.1 sec
WARN	Check_MK Discovery	•	4 unmonitored services (mknotifyd:1, livestatus_status:1, omd_apache:1, ps:1) WARN, no vanished services found

- Enabled by default in new installations.
 #1648
- Optionally updates services automatically. #2595



Service Discovery

Improved error reporting during service discovery. #2231

- In Discovery Check
- On Commandline (cmk -I)
- In Service List (WATO)
- During Bulk Discovery



Linux Integration

- Agents are now included in Check_MK package. #1759
- Linux agent supports systemd. #1228



New Counter APIs

- get_rate replaces get_counter #1723
- get_average interface simplified #1725
- get_item_state, set_item_state store arbitrary data
- Counter names automatically unique





Inline SNMP



Why Inline SNMP?

 Classic Check_MK SNMP uses command line tools → A lot of process creations

 Inline SNMP directly uses Net-SNMP libraries → Saves about 50% of CPU resources





Basic information

- Available in Check MK Enterprise Edition
- Activated per default
- Compatible with SNMP versions 1, 2, 3
- Behaves like classic SNMP
- Inline SNMP also used when running
 cmk --snmpwalk and cmk --snmpget (#8265)





What is new?





Inline SNMP

Modify ranges

- Can limit OID table entries from start, middle and end
- Only specific checks supported, currently
 - interface checks (if/if64, tplink, lancom),
 - emc isilon quota
- Relevant werks:

#8060, #8228, #8166, #8262





Further features and prospects

- Already added Inline SNMP profiling
- Determine walk bulk size (Currently fixed to 10 OIDs)
- Adapting walks table size based on first column
- Use OIDs contained in responses exceeding the requested table



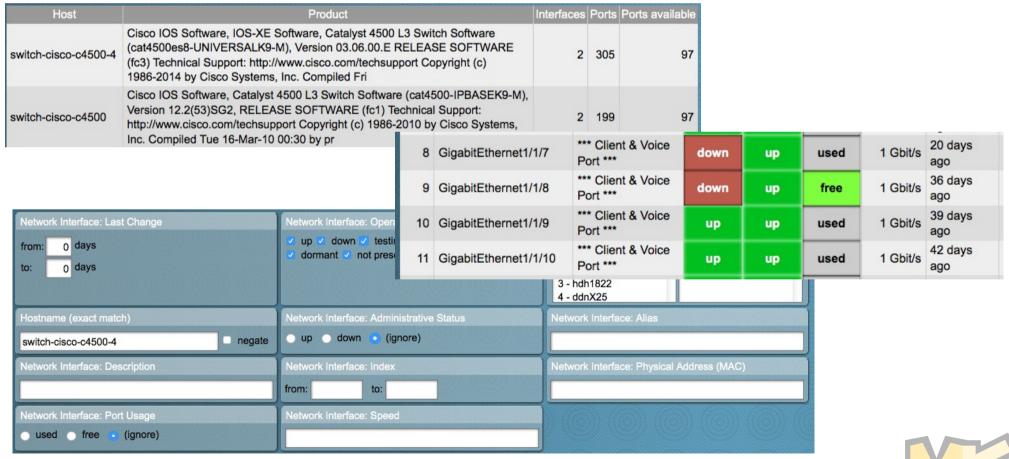


Hard- and Software-Inventory



Switch Port Inventory

- Gathered via SNMP
- Allows searching for unused ports

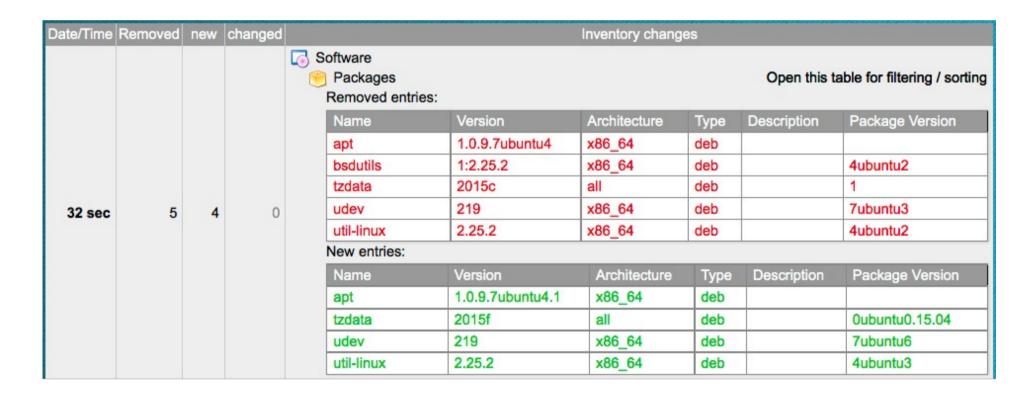






Track changes

- Track changes in inventory
- Hardware and Software





Additional changes

- #1479 Collect inventory data from remote sites
- #1452 Added support for Solaris
- #2298 Host name (Linux, AIX, Windows)
- #2298 IP addresses, routes (Linux)
- #1855 ESX: Info about the host OS
- #2128 Windows: Inventory plugin available as VBS script





News in the Event Console

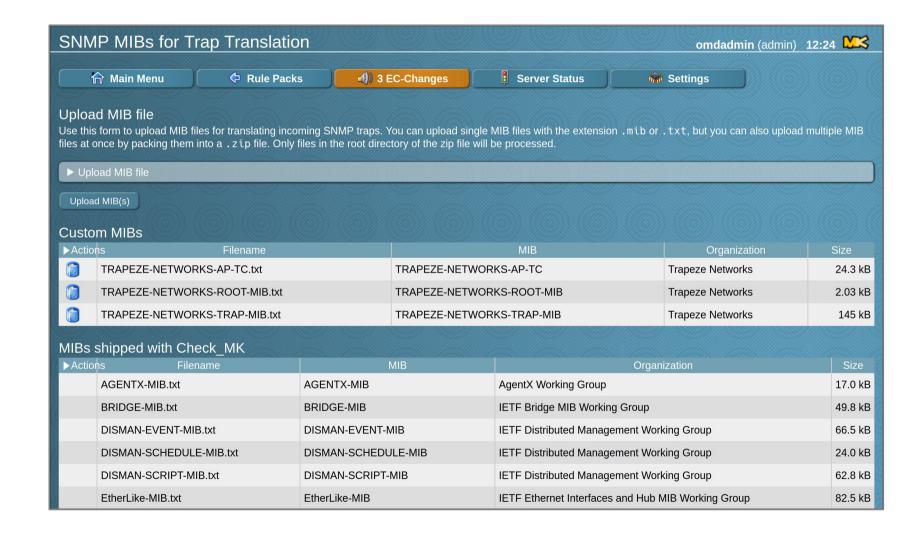
#2248 Trap translation

#2248 The Event Console can now translate incoming SNMP traps





#2248 Trap translation





#2248 Trap translation

Untranslated:

$$.1.3.6.1.4.1.12345.2.1.3.1.2.10 = 2$$

Translated:

- Trap OID goes into Application field
- EC matching happens after that!
- Translates all OIDs found in available MIBs



#2099 Replication

#2099 Allow replication of EventConsole rule and settings



#2099 Replication

- Central configuration of EC Rules via WATO
- Distribution via WATO (just like normal setting)

But: Still no central view (unfortunately)



#2225 Rule Packs

#2225 Restructured Event Console rules into packs



#2225 Rule Packs

Rule packs					
	Actions			ID	Title
		₩ 🕹	×	win	Windows Eventlogs
		₩ ₩		snmp	SNMP Traps
				ora	ORACLE Logfiles

- Rules are now grouped into packs
- New rule action: skip current pack
- Example: "ORA-" not in message → SKIP
- Advantages:
 - Easier to configure
 - Faster to execute



All new Werks

LEVEL 2

- #1719 Allow both host name and IP address when checking for events in Event Console
- #1845 Keep record of original source IP address of a syslog message or SNMP trap
- #1672 Now able to reclassify logwatch messages before forwarding them to the event console
- **#2099 Allow replication of Event Console rule and settings**
- **#2248 The Event Console can now translate incoming SNMP traps**
- **#2225 Restructured Event Console rules into packs**
- #2533 Allow inverted match in Event Console rules

LEVEL 1

- #1169 Added host state type filter to "recent event history" view
- #1718 Show groups of regex match of events in details views of Event Console
- #2107 mkeventd: can now handle syslog format of Sophos firewalls
- #2223 Allow cancelling actions to be omitted of the cancelled event is not (yet) open
- #2333 The Event Console log level can now be configured via GUI
- #2334 Logging details about loaded SNMP MIB modules during startup
- #2326 Allow relating Event Console hosts to monitoring hosts now also by alias
- #2411 Check check mkevents: Now able to look for events matching the host alias
- #2508 It is now possible to upload multiple zipped MIB files at once
- #2562 SNMP trap translation can now be configured to put trap description into event text



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