CHECK_MK

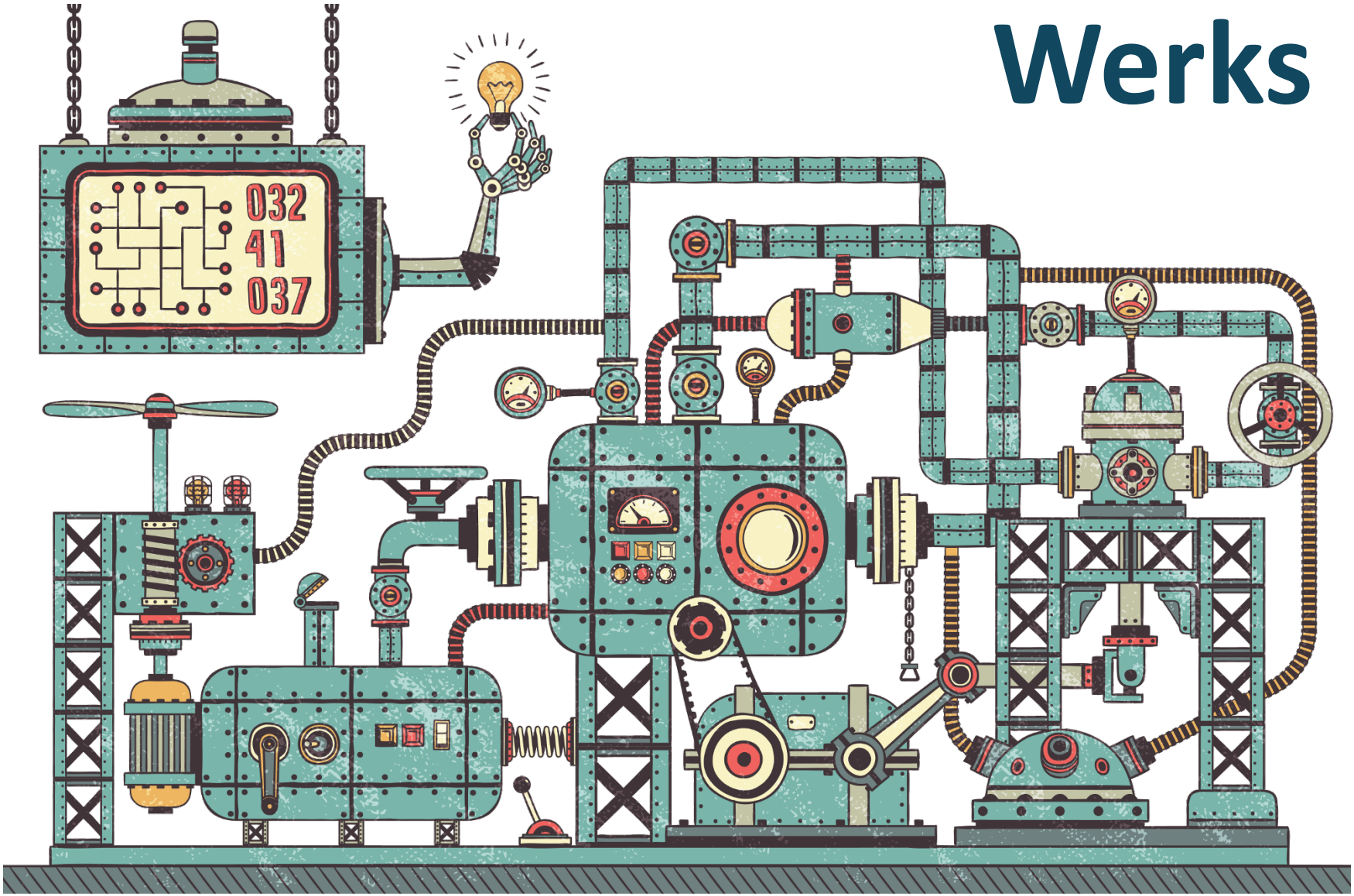
CONFERENCE #3

CHECK_MK
CONFERENCE #3

News in WATO

Marcel Schulte & Marcel Arentz

Werks



Activate Changes

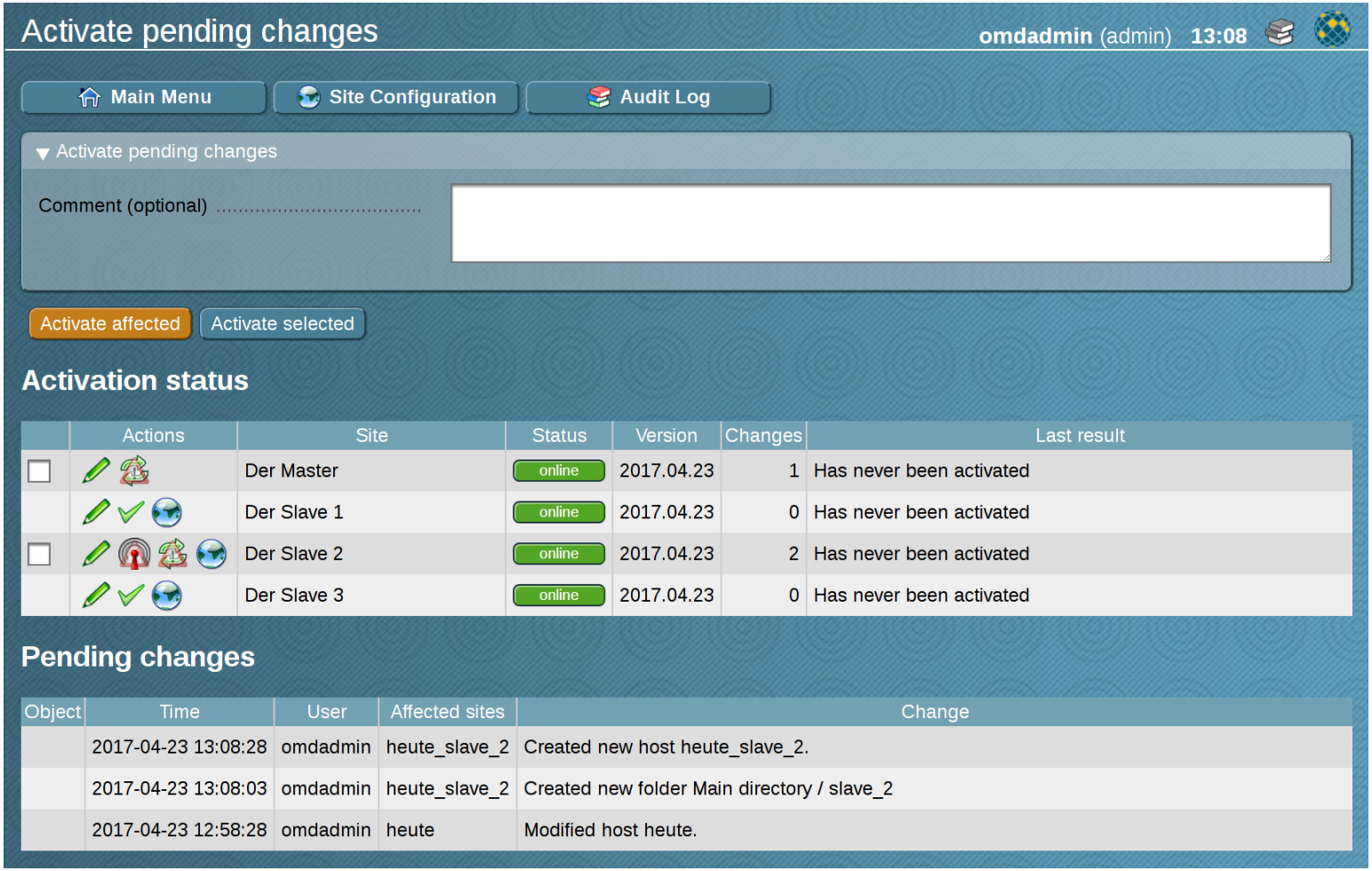
#4075

- Complete Rework of Activate Changes

- Bulk activation, comments, etc

- Activations in parallel

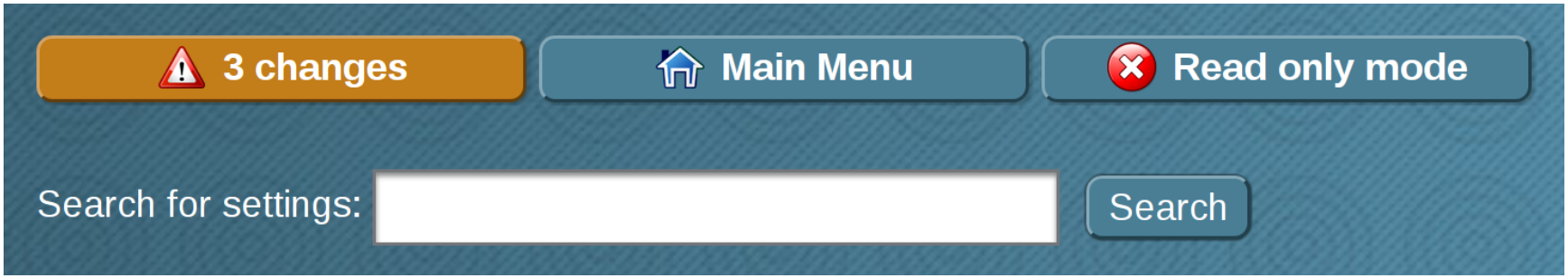
Werk #4075


Activate pending changes
omdadmin (admin) 13:08
Main Menu
Site Configuration
Audit Log
Activate pending changes
Comment (optional) .....
Activate affected
Activate selected
Activation status
Actions
Site
Status
Version
Changes
Last result
Der Master
online
2017.04.23
1
Has never been activated
Der Slave 1
online
2017.04.23
0
Has never been activated
Der Slave 2
online
2017.04.23
2
Has never been activated
Der Slave 3
online
2017.04.23
0
Has never been activated
Pending changes
Object
Time
User
Affected sites
Change
2017-04-23 13:08:28
omdadmin
heute_slave_2
Created new host heute_slave_2.
2017-04-23 13:08:03
omdadmin
heute_slave_2
Created new folder Main directory / slave_2
2017-04-23 12:58:28
omdadmin
heute
Modified host heute.

Activate Changes

#4227

- Activate Changes can now be locked:



Werk #4227

Read only mode
Enabled
Enabled in time range
Disabled
Enabled permanently
Enabled in time range
10
52
11
Until
2017
5
4
11
52
11
Can still edit
Users listed here are still allowed to modify things.
omdadmin - omdadmin
Add user
Message

Service Discovery

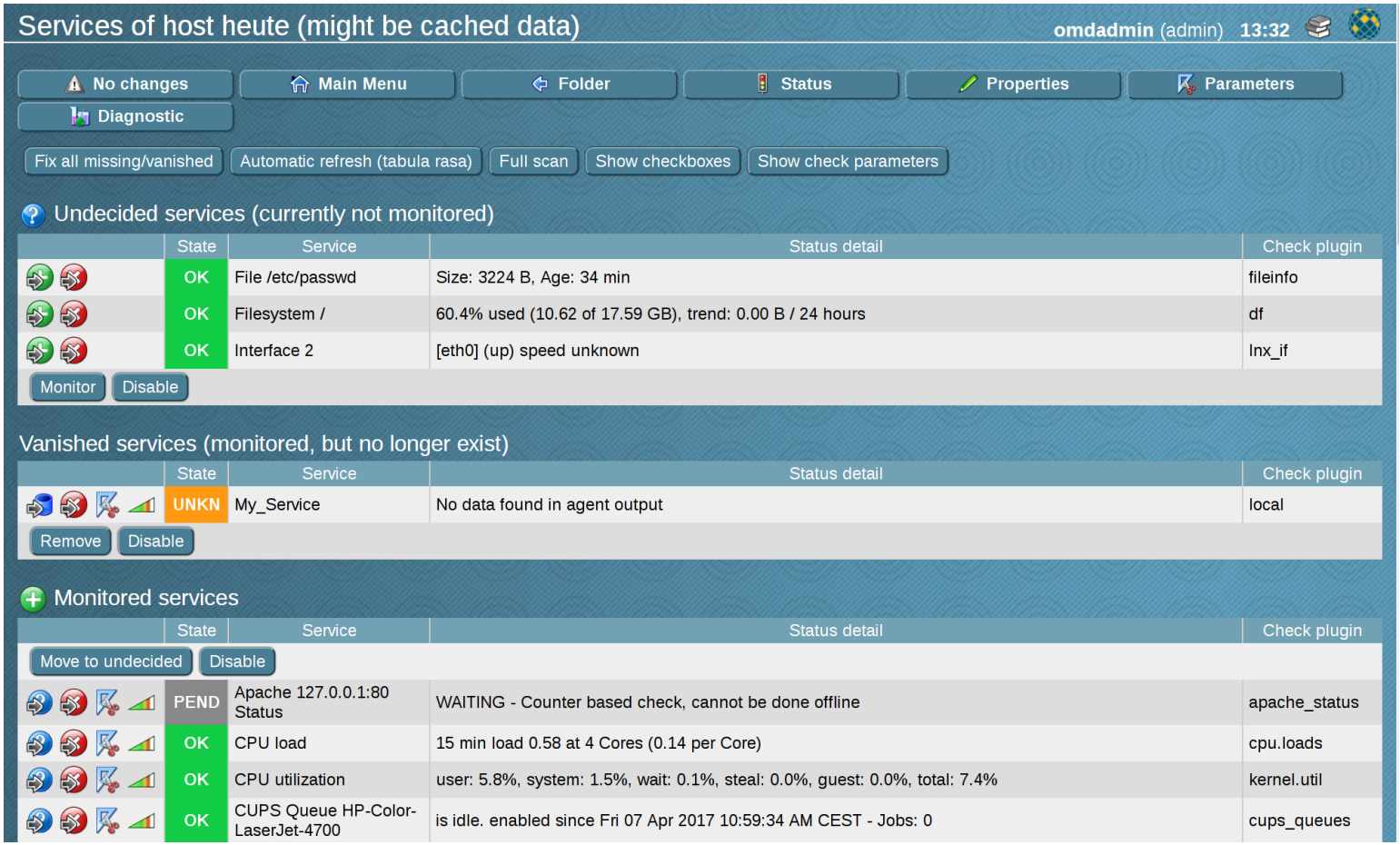
#4319
#3472

- Complete Rework of Service Discovery dialog

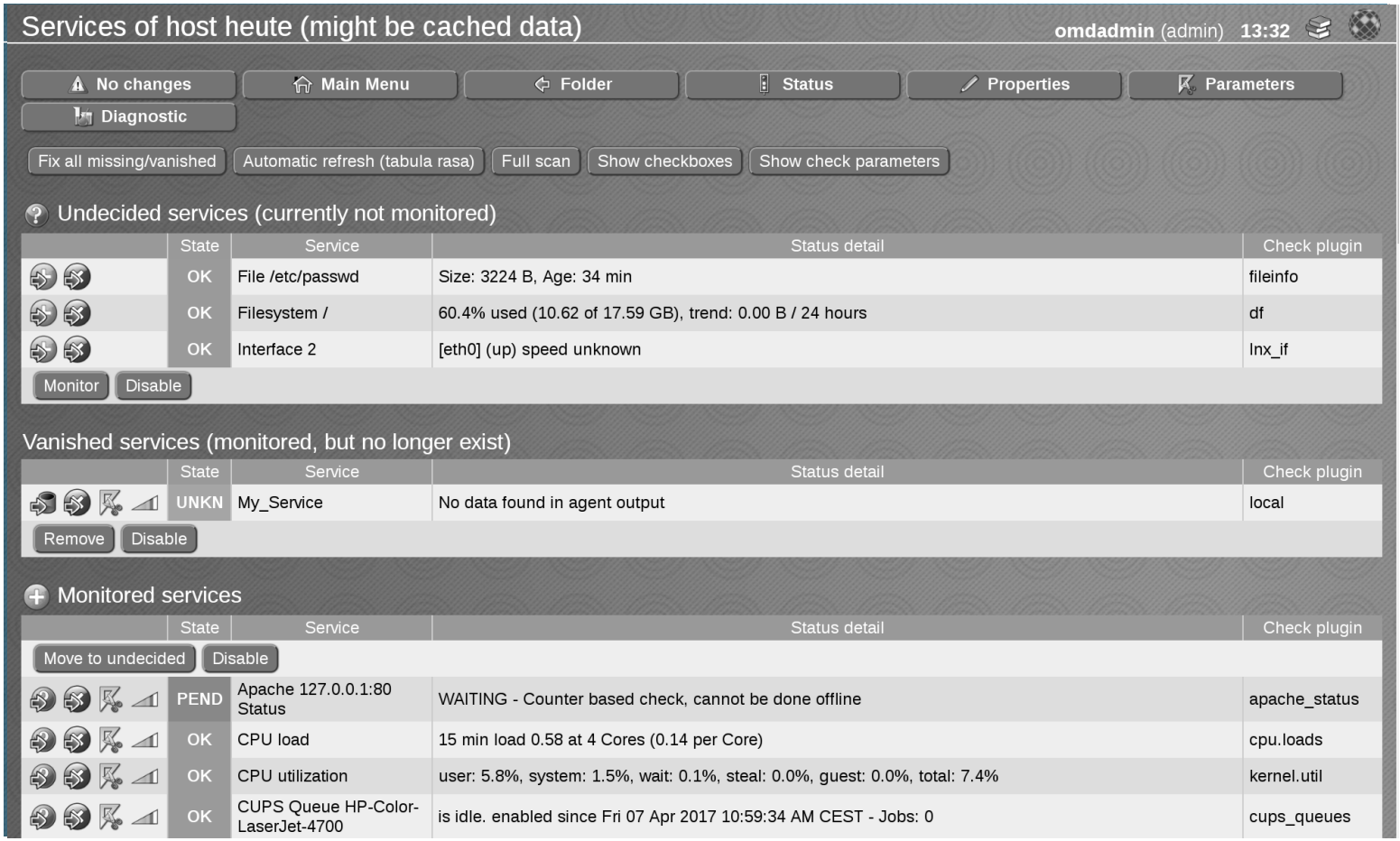
- Easier to work with discovered services

- Vanished services more prominent on top

Werks #4319 #3472



Werks #4319 #3472



Service Discovery
#3130

- More dynamic periodic service discovery

- Activate only matching services

Host & Service Parameters

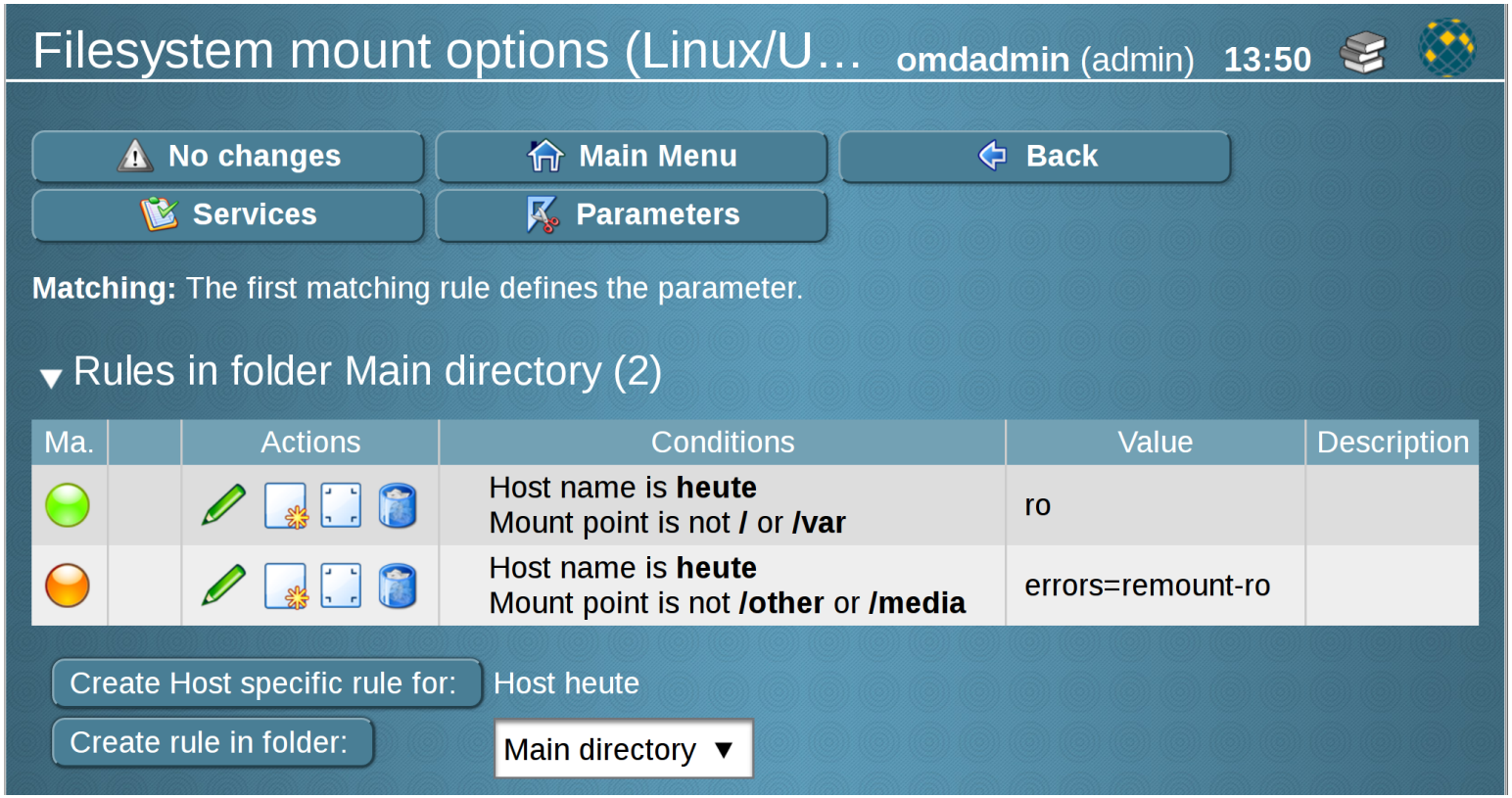
#3785
#3469
#4217

- Negate conditions (item, services) in rulesets

- Type of rule is shown

- Move Rules via Drag&Drop

Werks #3785 #3469 #4217



Host & Service Parameters

#4142
#3687

- Extended search dialog

- Regexes in piggyback translation rule

Host and Service Parameters

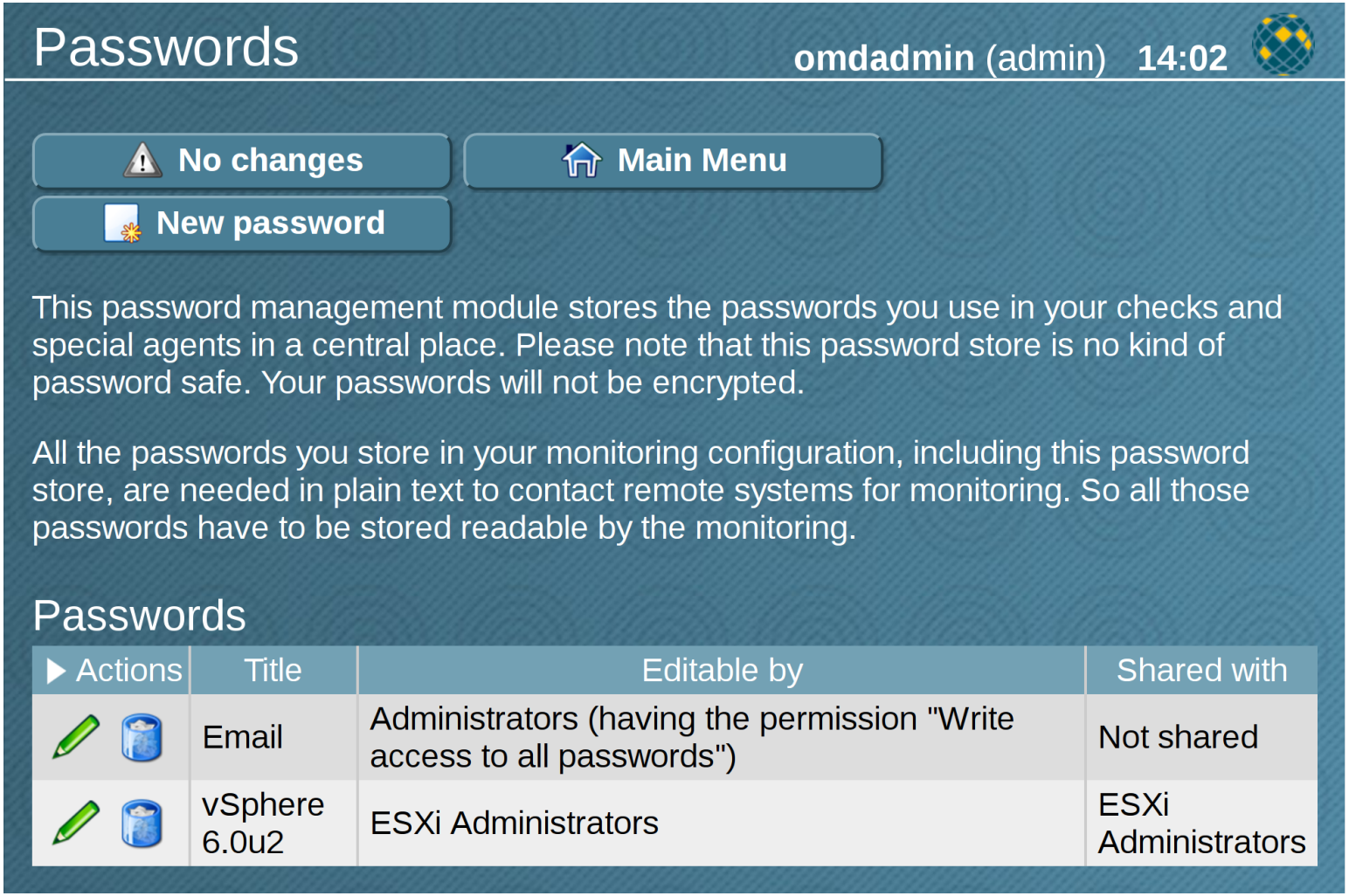
#3154

- Password store in Check_MK

- Retrieve passwords out of a store

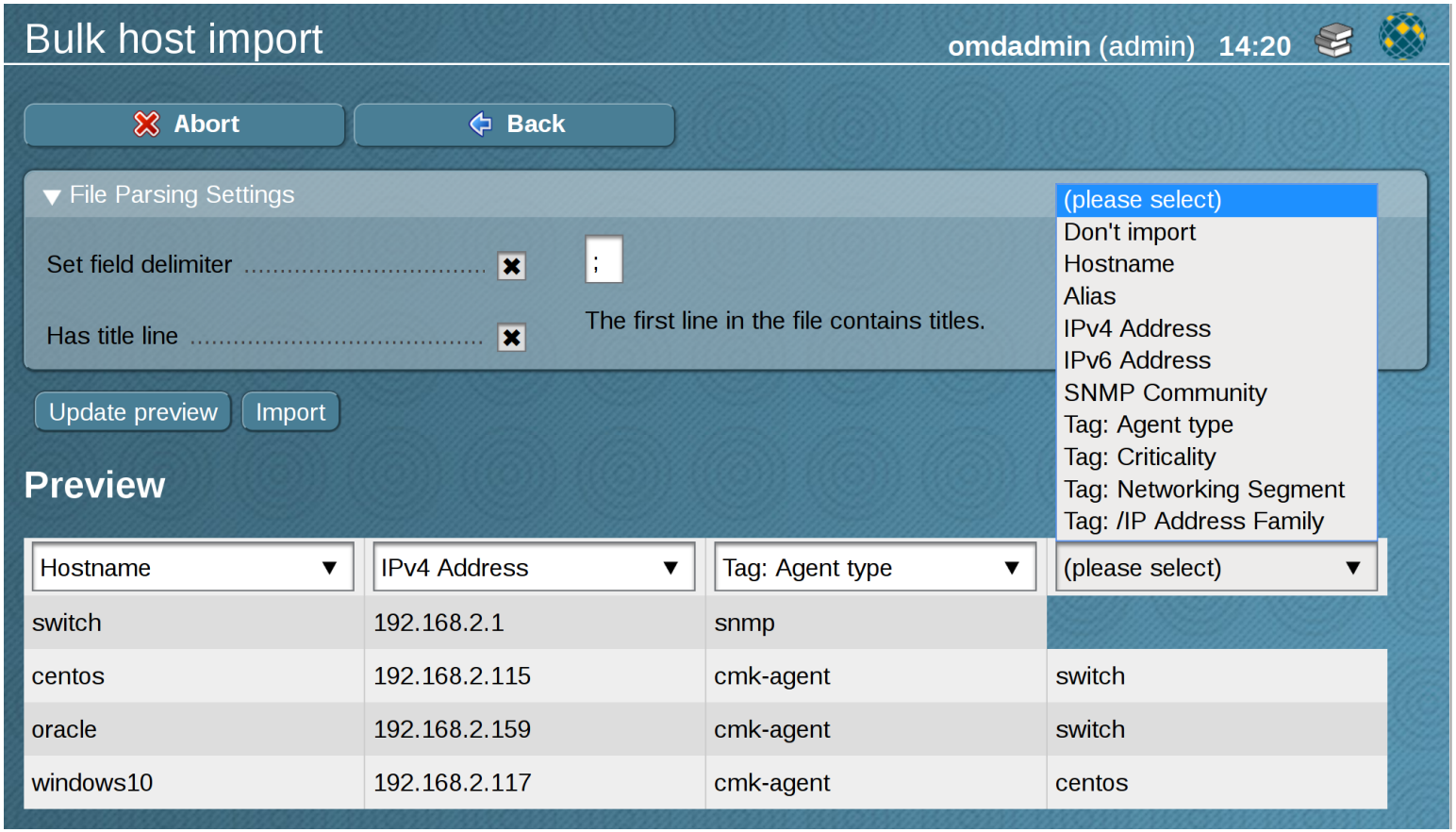
- No password visibility in GUI anymore

Werk #3154


Passwords
omdadmin (admin) 14:02
No changes
Main Menu
New password
This password management module stores the passwords you use in your checks and special agents in a central place. Please note that this password store is no kind of password safe. Your passwords will not be encrypted.
All the passwords you store in your monitoring configuration, including this password store, are needed in plain text to contact remote systems for monitoring. So all those passwords have to be stored readable by the monitoring.
Passwords
Actions
Title
Editable by
Shared with
Email
Administrators (having the permission "Write access to all passwords")
Not shared
vSphere 6.0u2
ESXi Administrators
ESXi Administrators

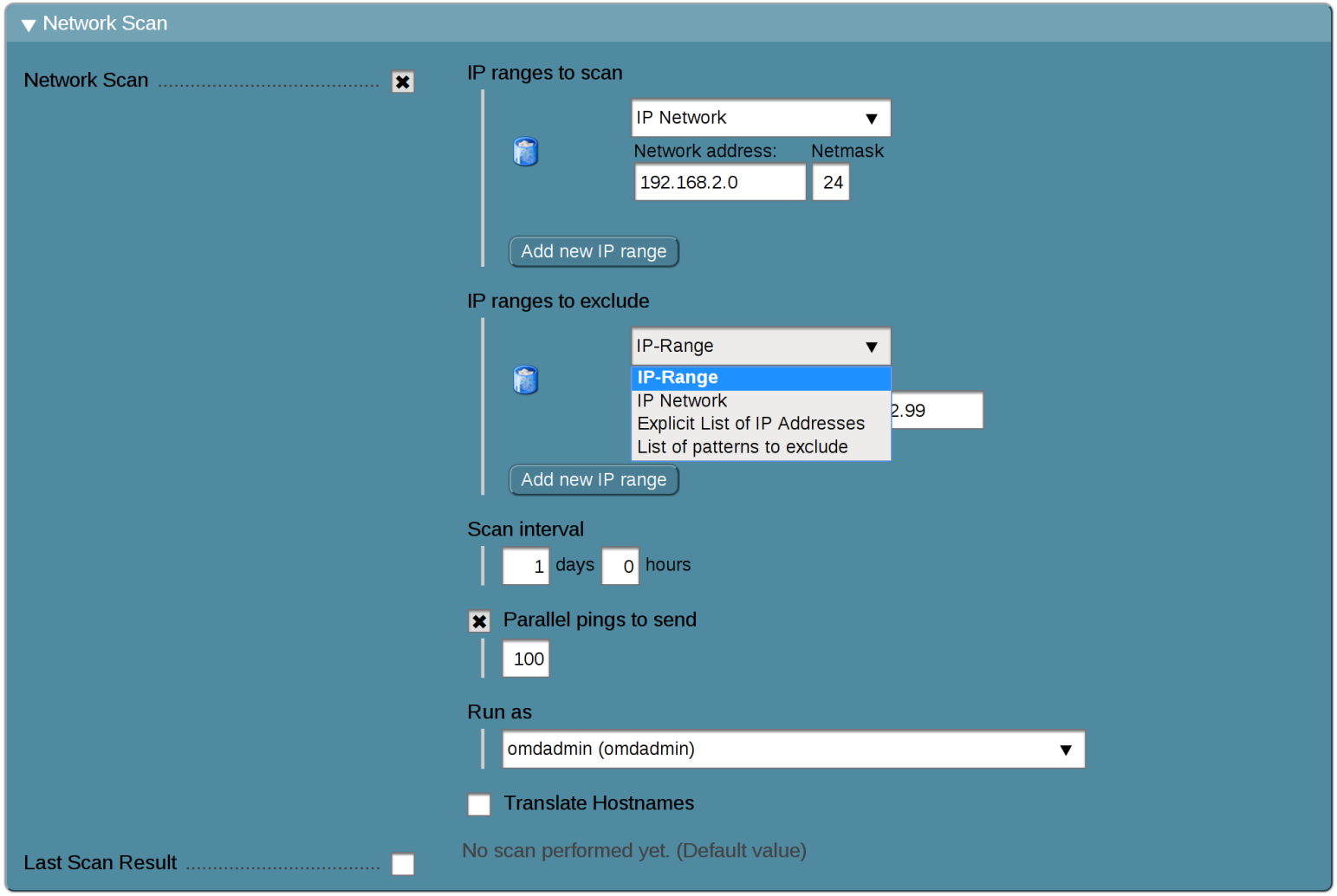
Werk #2900
Host bulk import

Werk #2900


Bulk host import
omdadmin (admin) 14:20
Abort
Back
File Parsing Settings
Set field delimiter
;
Has title line
The first line in the file contains titles.
(please select)
Don't import
Hostname
Alias
IPv4 Address
IPv6 Address
SNMP Community
Tag: Agent type
Tag: Criticality
Tag: Networking Segment
Tag: /IP Address Family
Update preview
Import
Preview
Hostname
IPv4 Address
Tag: Agent type
(please select)
switch
192.168.2.1
snmp
centos
192.168.2.115
cmk-agent
switch
oracle
192.168.2.159
cmk-agent
switch
windows10
192.168.2.117
cmk-agent
centos

Werk #2902
Host network scan

Werk #2902


Network Scan
Network Scan
IP ranges to scan
IP Network
Network address:
Netmask
192.168.2.0
24
Add new IP range
IP ranges to exclude
IP-Range
IP-Range
IP Network
Explicit List of IP Addresses
List of patterns to exclude
2.99
Add new IP range
Scan interval
1
days
0
hours
Parallel pings to send
100
Run as
omdadmin (omdadmin)
Translate Hostnames
Last Scan Result
No scan performed yet. (Default value)

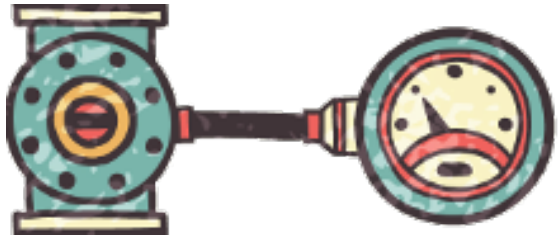
Hosts

#2878
#3667

- Improved host search

- all bulk operations for search results

- Regexes in search



Further Hosts Werks

#2442 Remove host: improved cleanup of obsolete host files

#2897 Move host is now an action icon using a popup menu

#3851 Checkbox hosttags are now checked by default

#2924 Contact groups from hosts can be added to services

#3657 Custom host attributes can now be configured

#2923 SNMP community is now always displayed with *****

#3544 Now able to handle SNMPv3 credentials

Users, Roles & Permissions

#3728
#3915
#3304

- new default user: automation

- Logging of last access time of users

- Bulk deleting of users

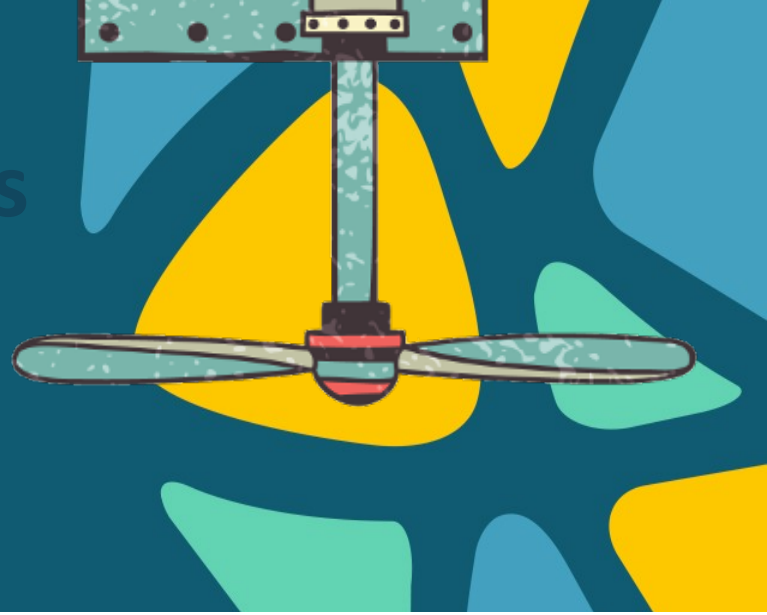
Users, Roles & Permissions

#1302
#3618
#3984

- Forbid renaming of hosts

- Reworked layout for roles and permissions

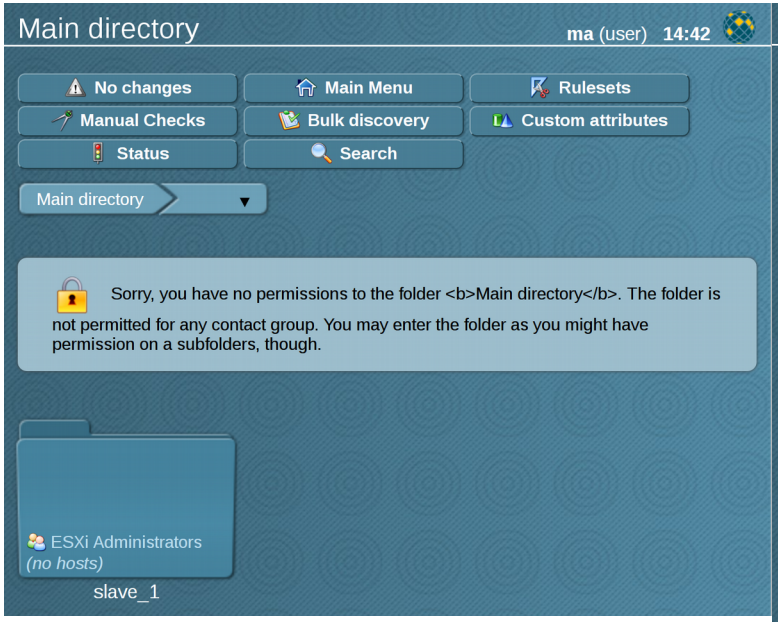
- Now capable of searching, sorting, filtering

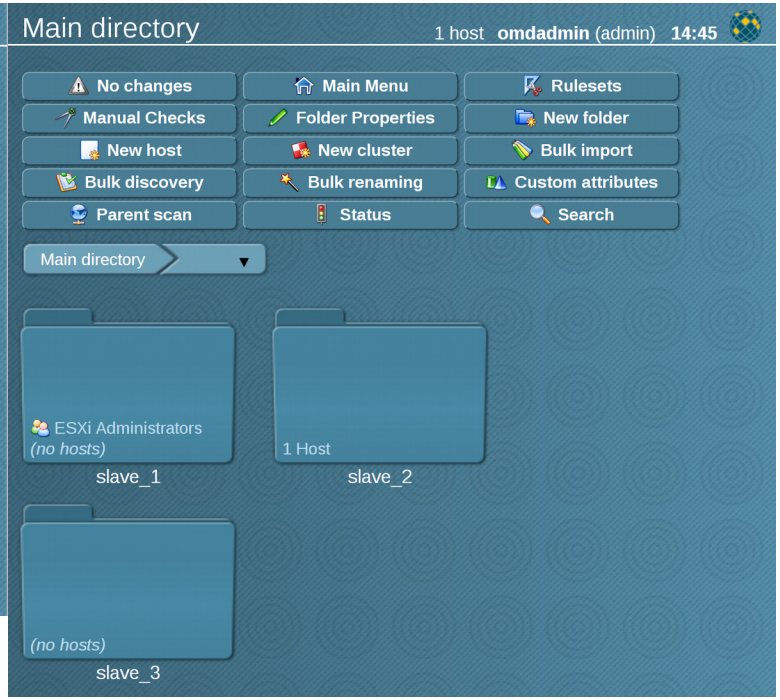


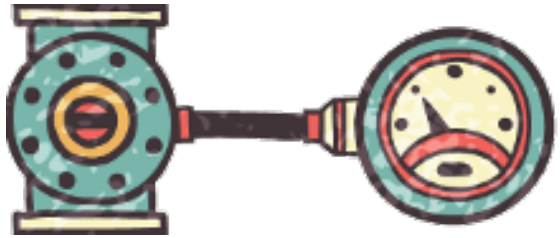
Werk #4017

Hide WATO folders

Werk #4017


Main directory
ma (user) 14:42
No changes
Main Menu
Rulesets
Manual Checks
Bulk discovery
Custom attributes
Status
Search
Main directory
Sorry, you have no permissions to the folder Main directory. The folder is not permitted for any contact group. You may enter the folder as you might have permission on a subfolders, though.
ESXi Administrators
(no hosts)
slave_1


Main directory
1 host omdadmin (admin) 14:45
No changes
Main Menu
Rulesets
Manual Checks
Folder Properties
New folder
New host
New cluster
Bulk import
Bulk discovery
Bulk renaming
Custom attributes
Parent scan
Status
Search
Main directory
ESXi Administrators
(no hosts)
slave_1
1 Host
slave_2
(no hosts)
slave_3



Notification Werks

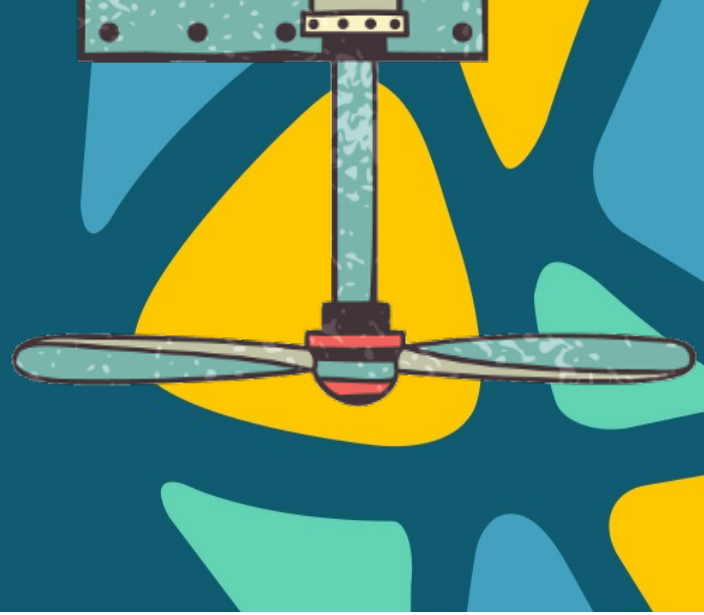
#3239 The delay and the period of notifications can be fractions of a minute now.

#4044 Display host/service notification delay with d/h/m/s, not with fractions of minute

#4167 Notification plugins: now can be hidden by role

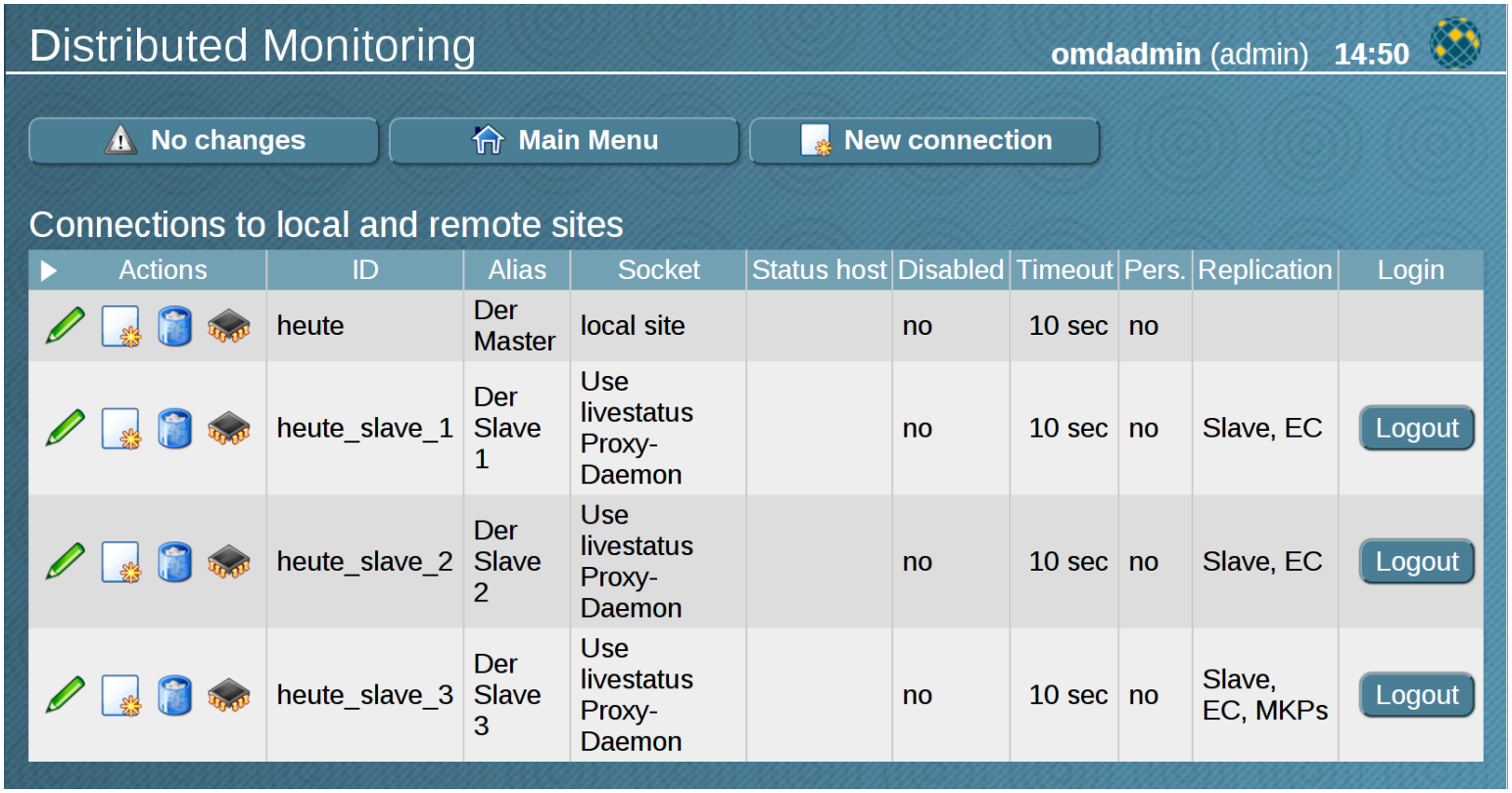
#3116 Timerange buttons for downtimes can now be configured

Distributed Monitoring



Werk #4320
Global Settings

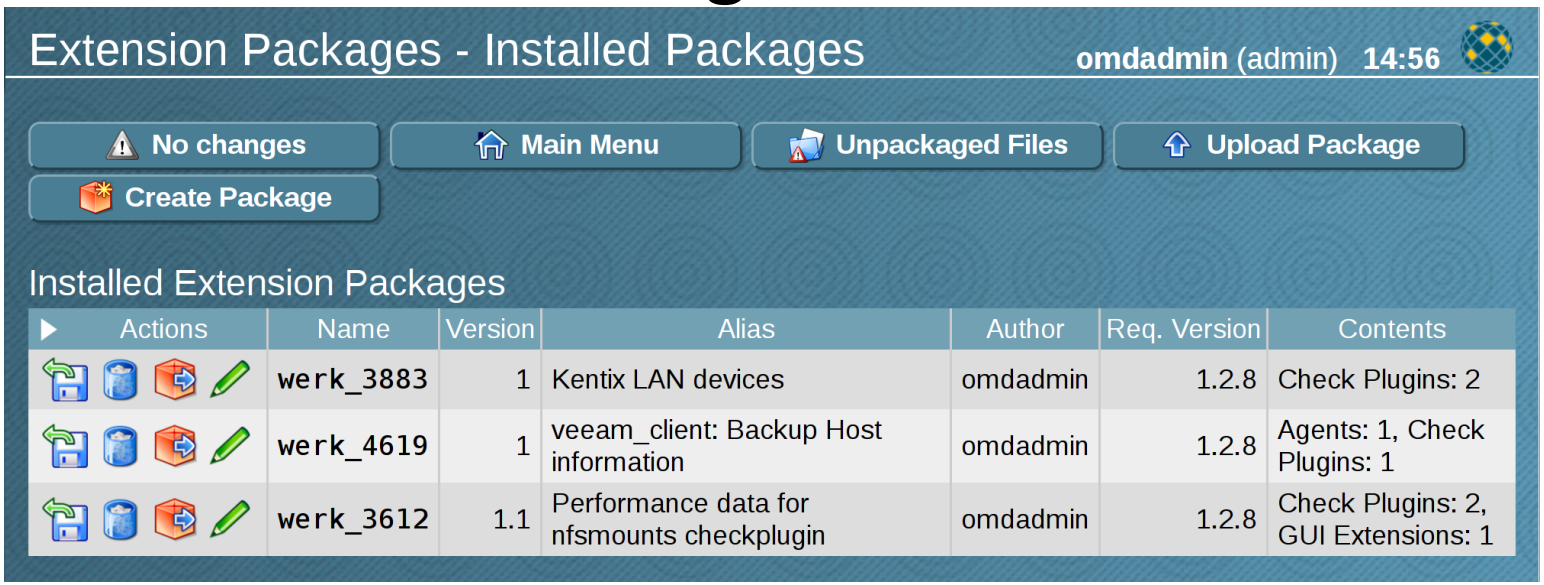
Werk #4320


Distributed Monitoring
omdadmin (admin) 14:50
No changes
Main Menu
New connection
Connections to local and remote sites
Actions
ID
Alias
Socket
Status host
Disabled
Timeout
Pers.
Replication
Login
heute
Der Master
local site
no
10 sec
no
heute_slave_1
Der Slave 1
Use livestatus Proxy-Daemon
no
10 sec
no
Slave, EC
Logout
heute_slave_2
Der Slave 2
Use livestatus Proxy-Daemon
no
10 sec
no
Slave, EC
Logout
heute_slave_3
Der Slave 3
Use livestatus Proxy-Daemon
no
10 sec
no
Slave, EC, MKPs
Logout

Distributed Monitoring

#8359

- MKP's now manageable in WATO



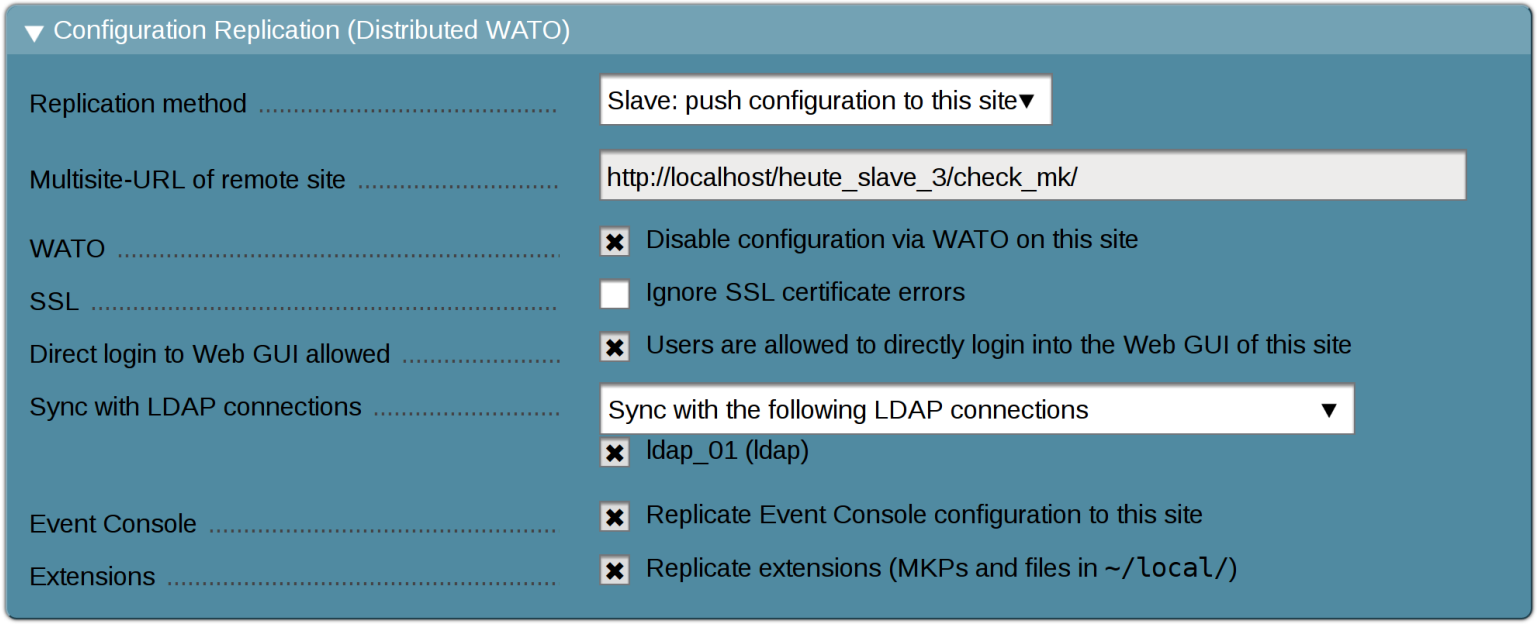
Distributed Monitoring

#2879
#3658

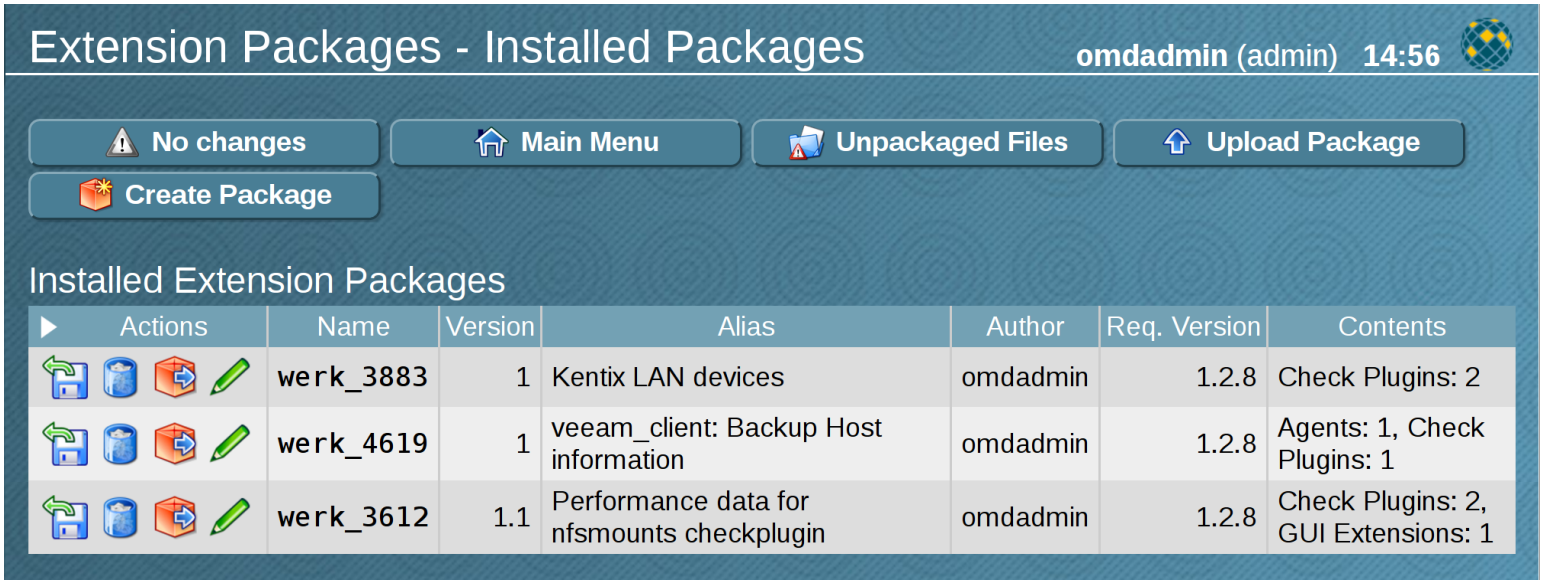
- Replication of local files and MKPs to slaves

- LDAP can be configured per site

Werks #2879 #3658



Werk #8359

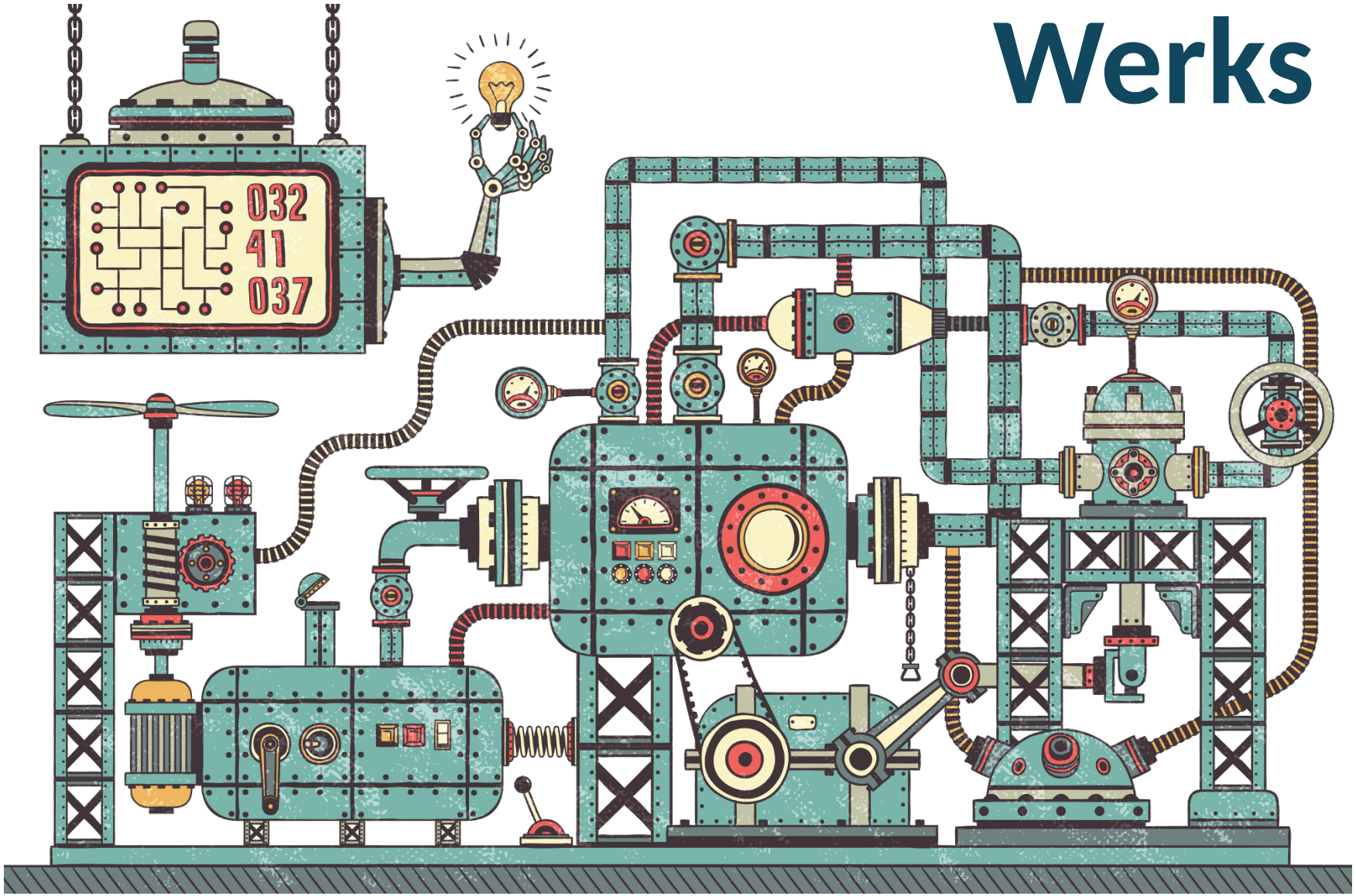

Extension Packages - Installed Packages
omdadmin (admin) 14:56
No changes
Main Menu
Unpackaged Files
Upload Package
Create Package
Installed Extension Packages
Actions
Name
Version
Alias
Author
Req. Version
Contents
werk_3883
1
Kentix LAN devices
omdadmin
1.2.8
Check Plugins: 2
werk_4619
1
veeam_client: Backup Host information
omdadmin
1.2.8
Agents: 1, Check Plugins: 1
werk_3612
1.1
Performance data for nfsmounts checkplugin
omdadmin
1.2.8
Check Plugins: 2, GUI Extensions: 1

CHECK_MK
CONFERENCE #3

New in the Alert Handlers

Mathias Kettner

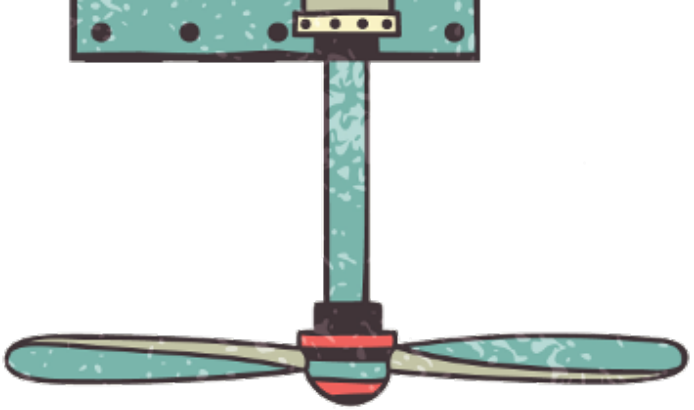
Werks



New Feature-Werks

#8621

#4497 #8611



Werk #8612

Linux Remote Handlers

Werk #8612

New alert handler for safely executing remote commands on Linux hosts

- Uses SSH with command restriction
- No code injection possible
- Completely bakeable with Agent bakery
- Automatic setup of SSH keys

Werk #8611

Monitoring History

Werk #8611

Alert handlers now log success or failure to monitoring history

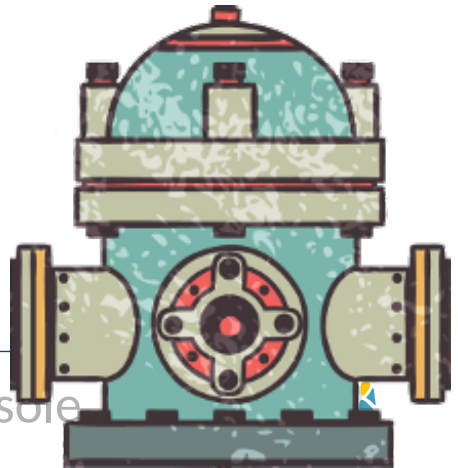
	Time	Event	Type
	13 sec	SERVICE NOTIFICATION	ALERTHANDLER (CRITICAL)
	13 sec	SERVICE ALERT HANDLER STOPPED	
	15 sec	SERVICE ALERT HANDLER STARTED	
	15 sec	SERVICE NOTIFICATION	CRITICAL
	15 sec	SERVICE ALERT	HARD

Check output
Warning: Permanently added '127.0.0.1' (ECDSA) to the list of known hosts.\n/usr/lib/check_mk_agent/alert_handlers/restart_foo: line 4: /etc/init.d/foo: No such file or directory\nCould not restart FOO.
Warning: Permanently added '127.0.0.1' (ECDSA) to the list of known hosts.\n/usr/lib/check_mk_agent/alert_handlers/restart_foo: line 4: /etc/init.d/foo: No such file or directory\nCould not restart FOO.
Manually set to Critical by omdadmin
Manually set to Critical by omdadmin

- Logs start and end of execution
- Makes failures visible
- Allows **notifications** about successfull and / or failed alert handlers!

Werk #4497

Match Conditions



Werk #4497

Added several missing match conditions:

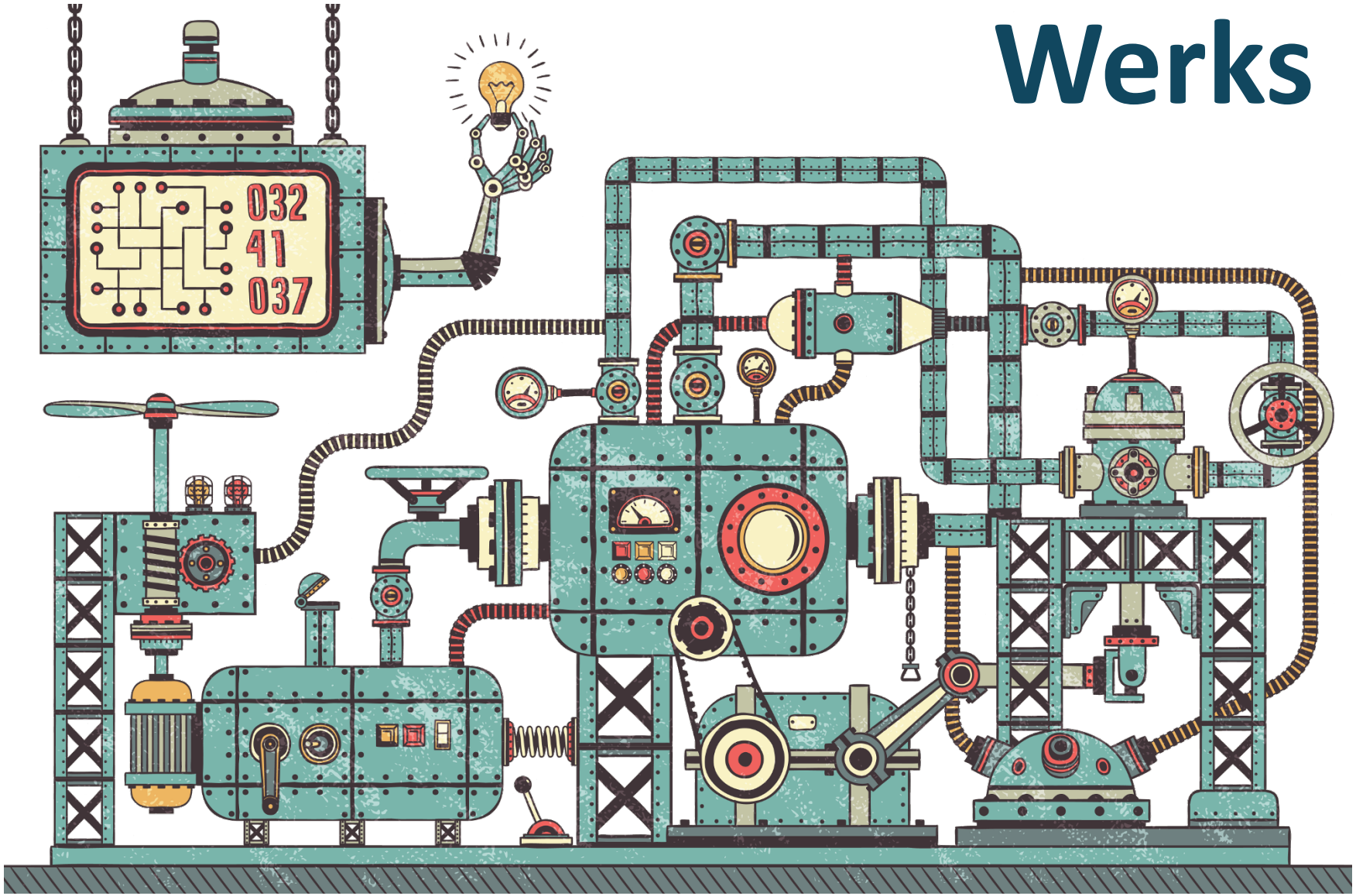
- Exclude list of services
- Check type
- Plugin output
- Contacts
- Contact groups
- Service level
- Matching during timeperiod

CHECK_MK
CONFERENCE #3

Appliance News

Lars Michelsen

Werks

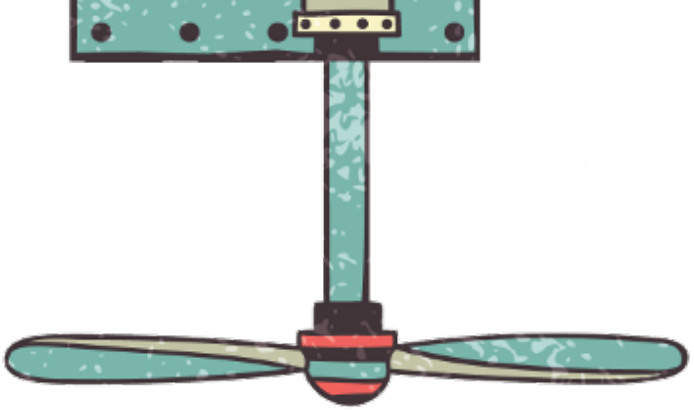


New Feature Werks

#9243 #9192 #9191

#9210 #9244 #9285 #9229

#9296 #9218 #9176 #9261 #9295 #9245
#9278 #9277 #9194 #9211 #9195 #9174
#9239 #9259 #9168 #9196 #9197 #9260
#9221 #9181 #9217 #9271 #9281 #9298
#9231 #9240 #9230 #9186 #9246 #9179
#9202 #9262 #9172 #9170 #9263



Update
rail2 Mark I

Check_MK rail2 Mark I

- Modern 64-bit platform
  - Q7 E3845 1.91GHz
  - 4GB RAM
  - 2 x GB LAN
  - SD card as usual
- Monitors 4000 services

Update
rack1 Mark II

Check_MK rack1 Mark II

- Differences to Check_MK rack1 Mark I
  - Intel Xeon E3-1200 v5 (4 Cores)
  - 16GB RAM, ECC
  - 2x 1TB HDD
- Monitors 50.000 services
- Future: Extending HDDs (RAID-10)

More power!

rack4 Mark I

Specs

- 2x E5-2650v4 (24 Cores, Hyper Threading)
- 64 GB RAM, ECC
- 2x 480GB SSD (6GB/s)
- 4x 10GBit LAN
- 2 Rack units
- Redundant PSU

Options

- Option: Bigger SSDs

  → even more services

- Future: Extending HDDs (RAID-10)

Measured: 500GB SSD (Standard setup)

- 5.000 Hosts, 400.000 Services @ 60 sec

CPU load: 15
Disk write: 80 MB/s
Check latency: 1 sec

Memory: 25% used
Disk space: 60 GB free

→ Disk space is the limit!

Measured: 1TB SSD setup

- 10.000 Hosts, 800.000 Services @ 60 sec

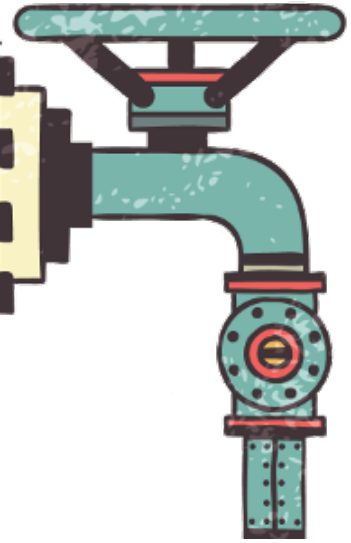
CPU load: 36 Memory: 31% used
Disk write: 90 MB/s Disk space: 20 GB free
Check latency: 20 sec

→ Would need Check_MK tuning

Werk #9192
64-bit Platform

64-bit Platform since 1.3

- Transparent update
- From 1.2.1 or newer 1.2
- Install 64 bit Check_MK version
- RRDs are converted
- Manual steps needed for own binaries



Werk #9243
Backup

Appliance Backup

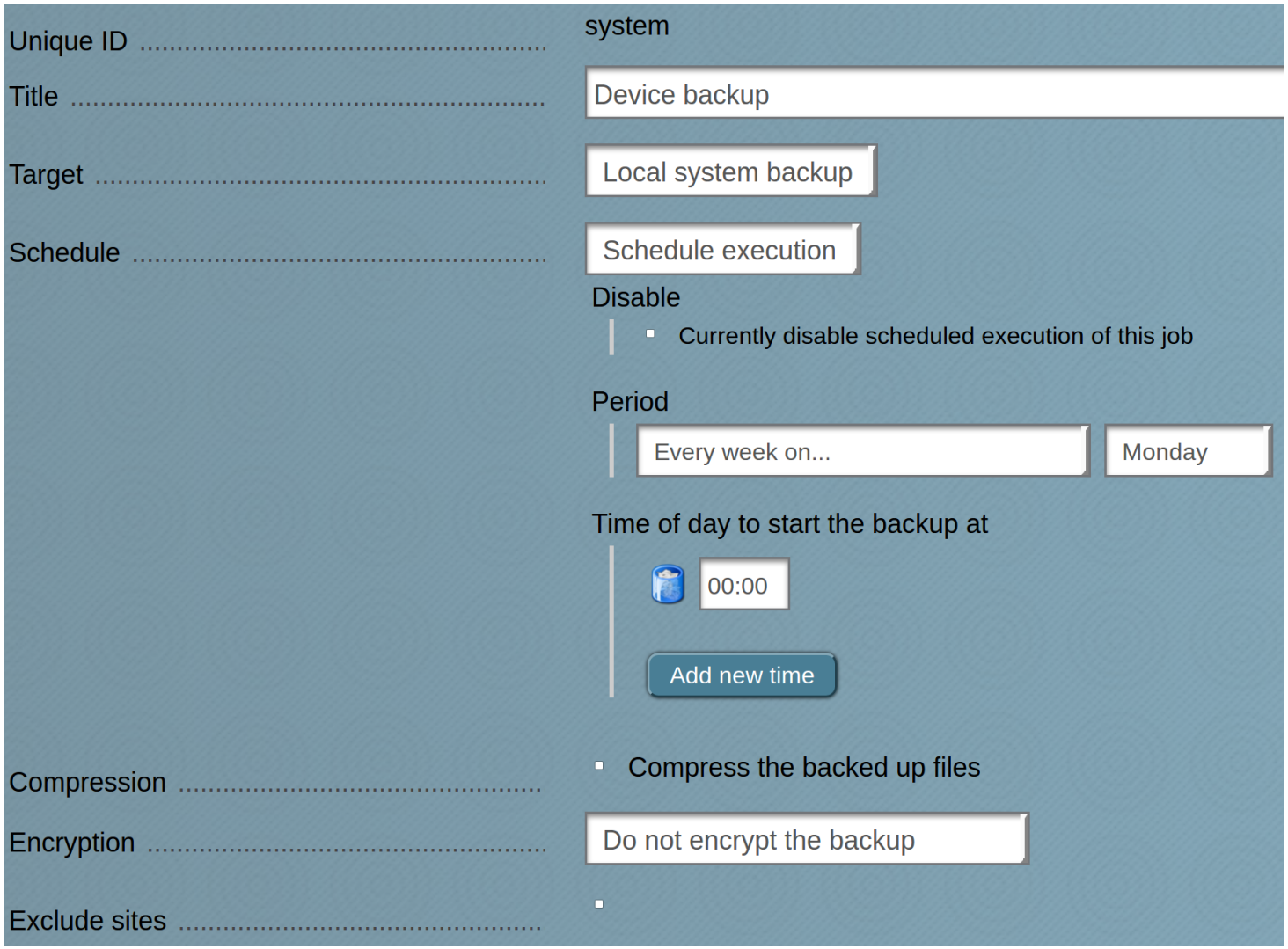
- Backup module in the GUI
- Concept
  - Online backup
  - Multiple backup targets
  - Multiple jobs (Timing, encryption, type)
  - One generation per job

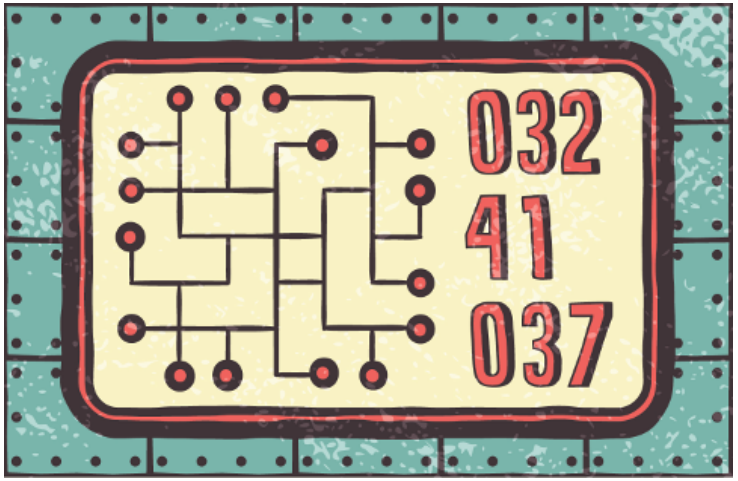
Backup – Job status

State	**Finished**
Runtime	Started at 2017-04-26 08:51:07, Finished at 2017-04-26 08:51:07 (Duration: 0:00:14)
Output	2017-04-26 08:51:07 --- Starting backup (Check_MK_Appliance-c 2017-04-26 08:51:07 Performing system backup (system.tar) 2017-04-26 08:51:07 Performing system data backup (system-dat 2017-04-26 08:51:21 Verifying backup consistency 2017-04-26 08:51:21 --- Backup completed (Duration: 0:00:14,

Actions	Name	State	Runtime	Next run
	Device backup	Finished	Started at 2017-04-26 08:51:07, Finished at 2017-04-26 08:51:07 (Duration: 0:00:14, Size: 298.22 MB, IO: 34.36 MB/s)	2017-05-01 00:00

Backup – Job details

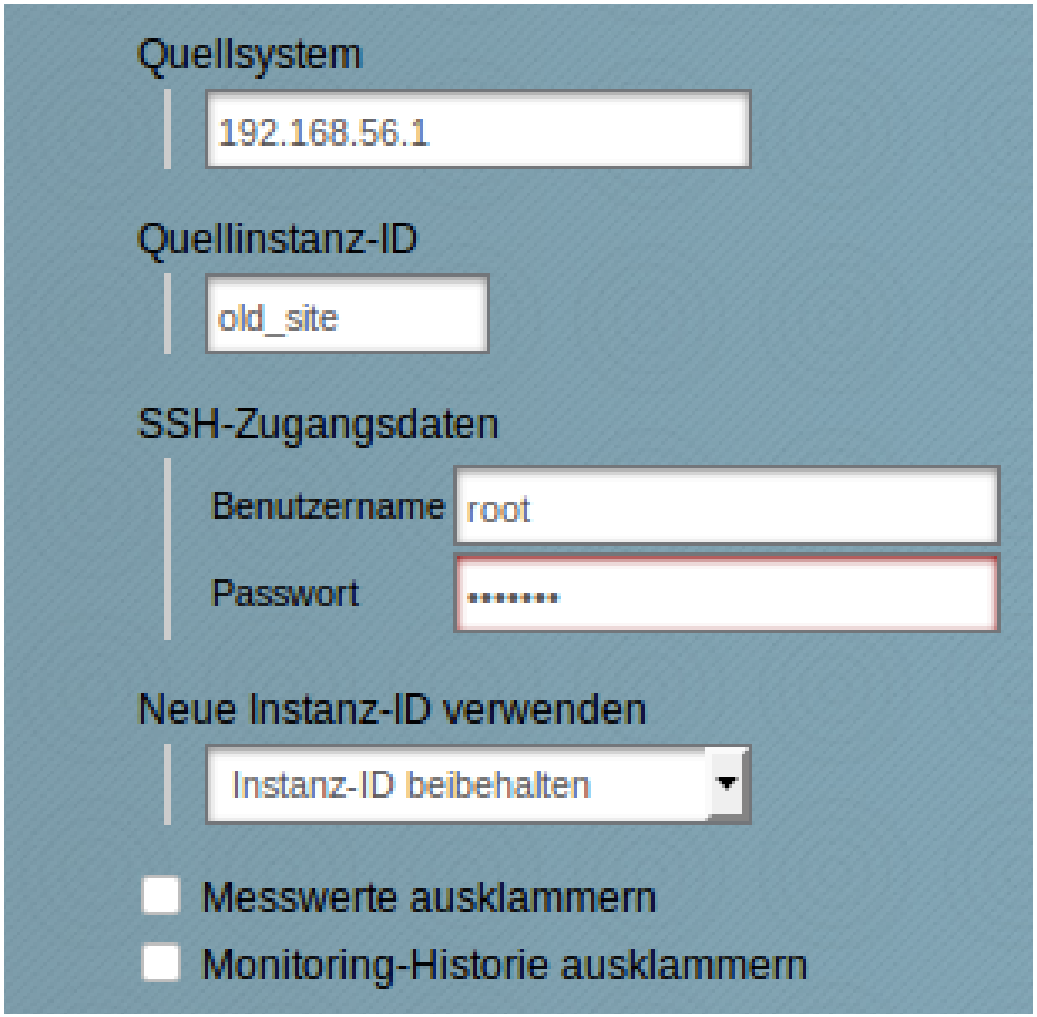




Werk #9191 Site Migration

Migrate existing sites (#9191)

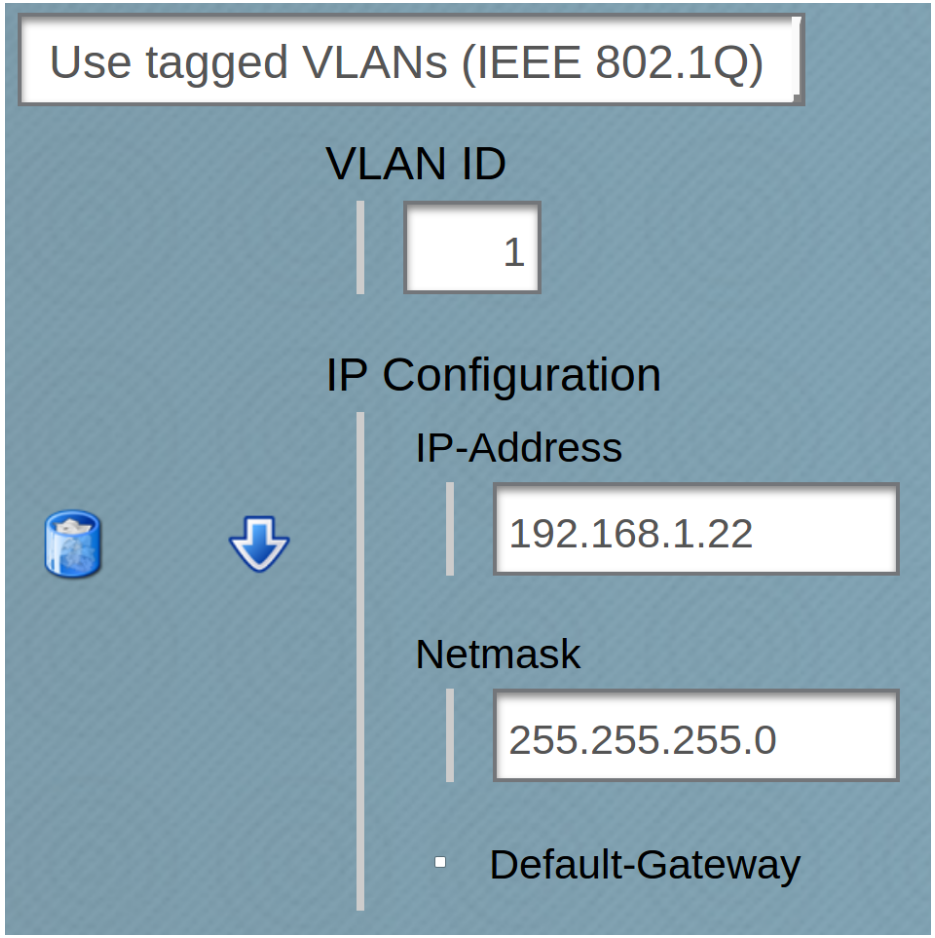
- Full or partially
- Via SSH
- Opt. site rename

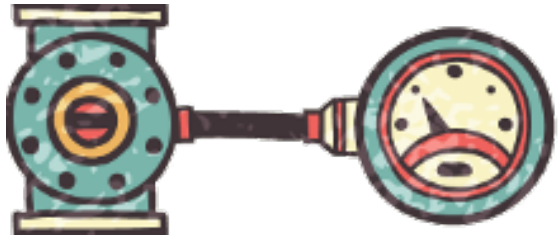


Werk #9229
VLAN support

Interfaces with VLANs (#9229)

- Switch from one IP per Interface via GUI
- Use as many VLANs as you need





Further Werks (1)

#9245 Cloning and renaming sites

#9296 System log is reboot persistent (Except Check_MK rail)

#9186 Custom entries in /etc/fstab are now persisted

… and more ...

CHECK_MK
CONFERENCE #3

Thanks for listening!

YOUR FEEDBACK IS WELCOME