News in the Micro Core (CMC)

#8273

Recurring Scheduled Downtimes

Motivation

- Required downtimes on a regular base

Old Situation

- Scheduled Downtimes just happen once

- Notification period clumsy in handling ...

- ... and not filtered out in problem views

New Recurring Scheduled Downtimes

- These are normal scheduled downtimes

- They automatically repeat themselves

- Done by CMC - **no** cron job is needed

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They come in two flavours...

1. Adhoc via command

2. Via rule set!

▼ Recurring downtimes for services

Comment for the downtime

First time the downtime starts

Year	Month	Day	Hour	Minute	Sec.
2015	10	9	10	17	56

Repeat this downtime

every week

Duration

2 hours   0 mins

▫ Flexible start time

Advantages of „via command"

- can be done by operator

- no WATO permission needed

- no „Activate Changes"

- same interface as for normal downtimes

Advantages of „via rule set"

- Easy to handle a large number of objects
- Also works for future hosts/services!!

#8275

Alert Handlers

#8275 Alert Handlers

- Perform actions upon alerts
- Independent of notifications
- Can appear on soft state changes
- Can also by triggered at **every** check execution

Usage:

- Repair things!

You have been warned!

Rule based configuration

#8275 Alert Handlers

Handlers can be

- scripts (just like notifications)
- inline Python code

#8301

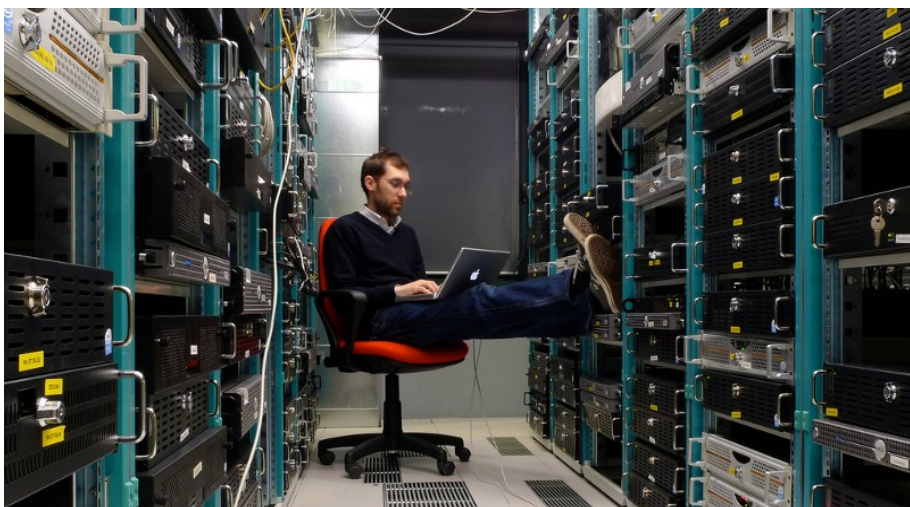**cmcdump**: New tool for offline mirroring satellite sites into a central site

A new way of distributed monitoring with CMC

#8301 cmcdump

- Highly separated networks?

- No access from central site to satellites?

→ cmcdump might be your solution!

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#8301 cmcdump

Remote Site

Central Monitoring

Step 1: Bring hosts & services to central site

```
cmcdump -C > file.mk
```

```
mv file.mk etc/check_mk/conf.d
cmk -O
```

Step 2: Regular transport of current monitoring state

```
cmcdump > state
```

```
unixcat < state > tmp/run/live
```

These things are handled correctly:

- The actual state (PEND, OK, WARN, ...)
- The plugin output
- The long (multiline) plugin output
- The performance data
- Whether the object is flapping and the current level of flappiness
- The time of the last check execution
- The time of the last state change
- The check execution time
- The check latency
- The number of the current check attempt
- Whether the current state is hard or soft
- Whether a problem has been acknowledged
- Whether the object is currently in a scheduled downtime

#8301 cmcdump

Downtimes & Acknowledgments

- are being synced correctly, but....
- are handled on the remote site!

Advantages over Multisite

1. Does not need network access!
   (files could even be transported via email)

2. Hm…

3. Still thinking…

4. Seems that was it.

#8301 cmcdump

Disadvantages

1. Central site can just view, not act

2. Additional latency due to transfer period

3. No central configuration

4. Transfer need to be scripted by you

Level 2 Werks

New Level 2 Werks:

#8093 New option for expiration of acknowledgements

#8065 Direct any verbose or diagnostic output from check_mk or checks to cmc.log

#8129 Create log entries for acknowledgements in monitoring log

#8156 New option for forcing a history logfile rotation based on its size

#8243 Handle and display information about cached agent data in GUI

#8294 Errors in configuration do not prevent the core from being restarted anymore

#8295 Automatically create backup of state file if state shrinks by more than 5% in size

Level 1 Werks

New Level 1 Werks:

#8059 New In-Memory-Cache for availability data is now enabled by default

#8101 Take check period into account when computing the staleness

#8131 Log errors of the RRD creation process into the cmc.log

#8132 New tuning of SMART ping - throttling of PING rate

#8186 The cmc sets HOSTNOTESURL and SERVICENOTESURL for notification plugins

#8306 Log stack trace in case of crash of CMC

Reporting & Availability

#8090
Report Scheduler
automatically email reports
on a regular base

#8090 Report Scheduler

General Options

▼ General Options

Report to create	BI Availability
Title	Weekly report on email system
Activation	☐ do not create this report
Period	Every week on... Monday
Time of day to create report at	11:00
Time range to create report for	Last week
Email-Addresses to mail PDF reports to	chef@firma.de
	myself@firma.de
Run report as this user	omdadmin - omdadmin
Options for report emails	☐ From: email address
	☐ Reply-To: email address
	☐ Subject
	☐ Filename for attached PDF

Select Context

Reporting

#8123 Fix broken layout of detail pages, add host details to example report

#8158 New table layout for reporting

Availability

#8159 Reporting now can show inline timeline and legends of availability views

#8222 Timeline bar and/or the detailed timeline can be rendered in a report

#2301 Availability now allows to just show rows with outage times above certain levels

#2302 Availability: new option in "Labelling" for omitting legend for availability levels

#8296 More precise availability handling of removed and readded objects

#8244 Availability in reporting now supports visual availability levels

News in the Notification System

#2135 Allow to filter notification contacts based on custom macros

#2135 filter contacts

#2195 New condition "Match Contacts" in rule based notifications

#2195 Match Contacts

LEVEL 2

#2195 New condition "Match Contacts" in rule based notifications

LEVEL 1

#2135 Allow to filter notification contacts based on custom macros
#2188 Rule based notification now allow match for notification comment
#2200 filter for (de-)selecting preliminary notifications to "check-mk-notify"
#2304 Bulking: now able to configure the notification sort order in emails
#2432 Forwarded notifications are now visible within the analysis
#2478 Notification plugin for mobile phone push messages via Pushover

Check_MK Appliance News

- ## You can enable HTTPS and disable HTTP

- ## More user friendly:

  - ### Enable HTTP and redirect to HTTPS

- System-Apache is being configured

- Generate key on the device

- Self-sign or download CSR

- Upload keys and signed certificates

Aktueller Zustand

HTTP	aktiv
HTTPS	aktiv

Aktuelles Zertifikat

Signiert für

Land	DE
State (z.B. Bundesland)	Bavaria
Lokalität	Munich
Organisation	Mathias Kettner GmbH
Gerätename	cma.local

Signiert von

Land	DE
State (z.B. Bundesland)	Bavaria
Lokalität	Munich
Organisation	Mathias Kettner GmbH
Gerätename	cma.local

Gültigkeit

Gültig ab	2015-07-21 10:38:34
Gültig bis	2017-07-20 10:38:34

Details

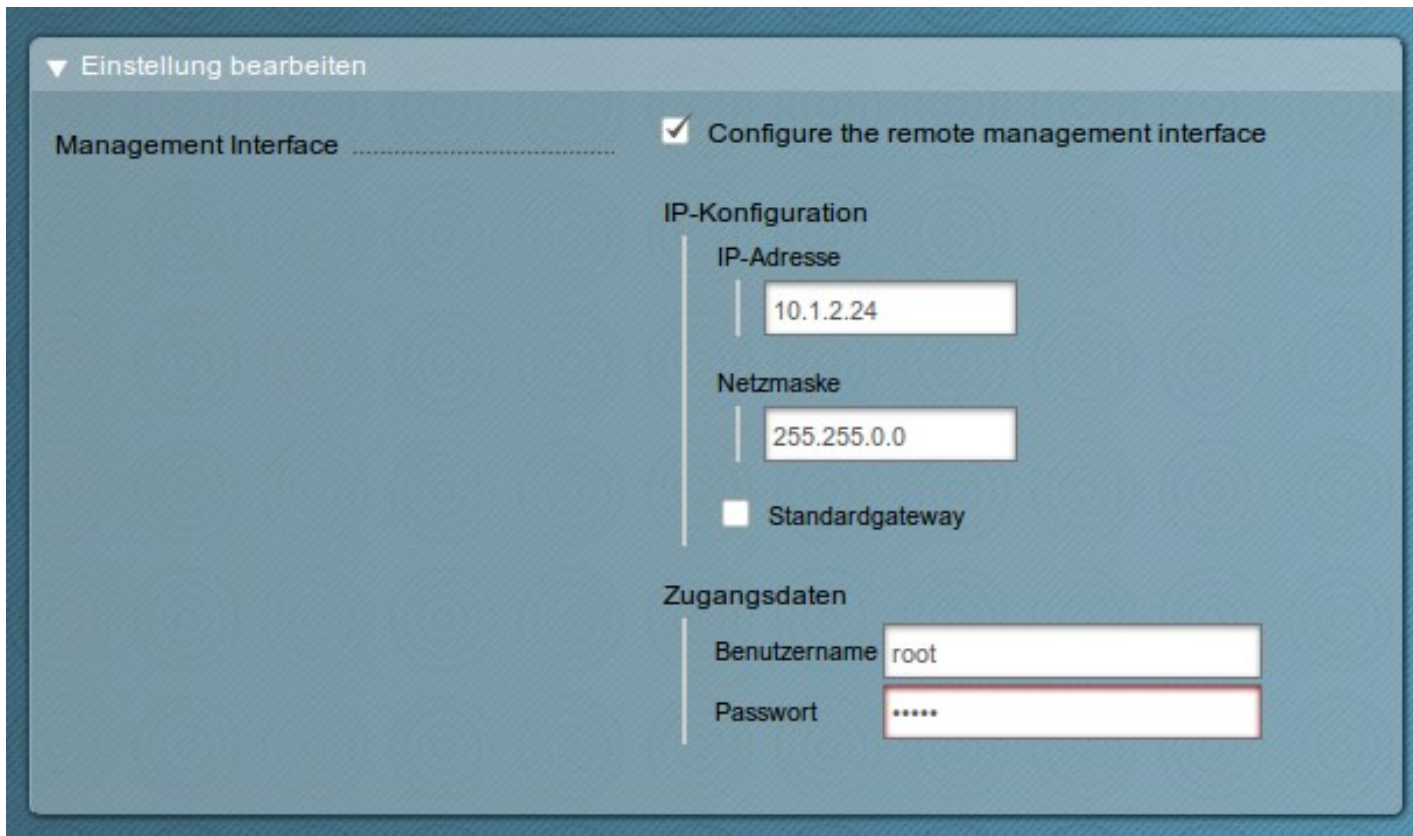|	
Signaturalgorithmus	sha1WithRSAEncryption
Fingerabdruck (SHA1)	FE:D0:BD:76:33:4B:B6:94:B0:5C:D6:33:BB:2C:F1:1B:E2:12:B5:A0
Schlüssellänge	2048 bits

Local Console Locking

Protect access to the Local Console

- Configured via Console
- Automatically locks after 5 minute idle
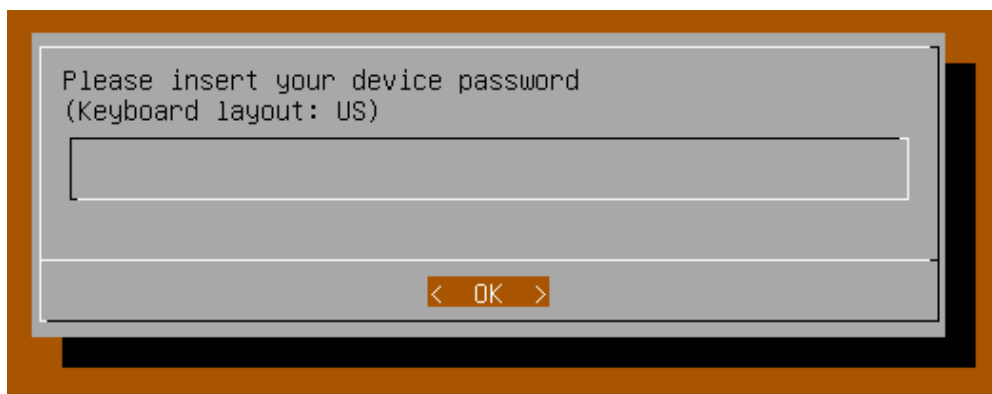
Remote Management

- ## Remote Management Interface (IPMI) of Check_MK rack1 is now configurable

Additional features

- Supporting CEP HT63e UMTS/GSM SMS modem
- Supporting network connected SMS modem
- Administrative Email address can now be configured for sites
- You can now configure DNS search domains
- Advanced Network Config: Added option to revert the currently pending changes
- Check_MK virt1 now supporting Citrix Xen Server and Hyper-V as host system

Usability

- Logs of web server can be viewed via log page

- Bonding interface list shows the bonding mode

- Put info about keyboard layout to pw input dialogs

- Showing name of the appliance in web page titles

- Display "updating firmware" dialog during updates

- Added NaviSphere for EMC VNX monitoring

Currently in development

- 64bit-Firmware

    - Makes migration easier

    - Needs new Check_MK rail model

Planned for the near future

- VLAN-Configuration via GUI

- Backup- and Restore-Solution

PAUSE / BREAK