Check_MK Conference
Treasures

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System Engineer
Lead Monitoring
Agenda

- Who am I
- Treasures
- Demo
- Treasures
- Demo
- ...
- Questions
Who am I and what we do

Tim Despiegelaere

- System Engineer @ Synergics
- Lead monitoring
- Since 2009

@Synergics_MaaS
tim@synergics.be
Who am I and what we do
What are those treasures?
What are those treasures?
/opt/omd/versions/1.2.6p11.mk/share/doc/check_mk/treasures/
find_piggy_orphans

ESX Data is piggyback data

Scripts uses livestatus query to verify vm’s not added into Check_MK
./find_piggy_orphans

OMD[synergics]:$ ./find_piggy_orphans
10.46.221.15
10.46.221.16
10.46.221.17
10.46.221.18
10.46.221.19
10.46.221.31
10.46.221.32
10.46.221.33
10.46.221.34
apr024202
pdcmcm
sdiaagoaggdb1
sdiaaitotdev1
...

Treasure: find_piggy_orphans
Treasure: downtime

./downtime

creating or removing downtimes

Requirement: automation user

6 modes, set & remove for: host, service(s), host + services
./downtime

Usage: downtime [-r] [OPTIONS] HOST [SERVICE1] [SERVICE2...]

Set a downtime
./downtime -v -d 10 -c "Check_MK Conference demo" -S DIWWGYFHXGUVLXJQAJKD sdtcsynomd1

Remove a downtime
./downtime -r -v -d 10 -S DIWWGYFHXGUVLXJQAJKD sdtcsynomd1
./livedump

Must run Nagios core (remote can run CMC)

Dump configuration & status

Creates passive services

No obsess_over needed with ocsp commands
./cmk-delete-host

Delete host (internally using web API)

Also deletes config, data and restarts site

Requirement: automation user (set in script)
./agent_wrapper.php

If extra ports to the agents are not allowed. (ex. 6556)

Can be placed on any webserver.

Contains 1 line… system("/usr/bin/check_mk_agent")
Treasure: cmk-plugin-statistics

./cmk-plugin-statistics

Uses livestatus query to count plugins used in your site

./cmk-plugin-statistics
443 check-mk-inventory
443 check-mk
356 check_mk_active-mkevents
294 check_mk-snmp_info
235 check_mk-uptime
...

./modbus

Mostly used in industrial environments and appliances. Does not work out of the box.

usage: agent_modbus <host ip> <host port> <address: #words(1 or 2): counter|gauge: name>
example: agent_modbus 192.168.0.1 502 856:2: counter: active_energy

If you want to test Modbus, have a look at https://github.com/AndreySV/check_modbus as well
Treasure: check_curl

./check_curl

Just like check_http!

Main difference: check_curl supports proxy servers

Usage: check_proxy [-P PROXYUSER:PROXYPASSWORD PROXYURL] URL [ TEXT ]
Treasure: msexchange

./msexchange

Several Exchange counters
- MSExchange ADAccess Domain Controllers
- MSExchangeTransport Dumpster
- MSExchangeIS Mailbox
- MSExchange ActiveSync
- MSExchange RpcClientAccess
- MSExchange Database
./msexchange

Attention for “MSExchangeIS Mailbox”

counter: 66720=MSExchangeIS Mailbox not working

Don’t forget to copy the “winperf” files to the local checks directory
get_rrd_cache_stats

Get RRD statistics from a running site (from rrdcached)

Data received:

<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ date; ./get_rrd_cache_stats</td>
<td></td>
</tr>
<tr>
<td>Date:</td>
<td>Sun Oct 11 18:56:00 CEST 2015</td>
</tr>
<tr>
<td>UpdatesWritten</td>
<td>2463548</td>
</tr>
<tr>
<td>JournalBytes</td>
<td>19599733060</td>
</tr>
<tr>
<td>QueueLength</td>
<td>0</td>
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<tr>
<td>FlushesReceived</td>
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<td>JournalRotate</td>
<td>34</td>
</tr>
<tr>
<td>TreeDepth</td>
<td>18</td>
</tr>
<tr>
<td>UpdatesReceived</td>
<td>150231349</td>
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<tr>
<td>DataSetsWritten</td>
<td>144189425</td>
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<tr>
<td>TreeNodesNumber</td>
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<table>
<thead>
<tr>
<th>Sun Oct 11 18:56:05 CEST 2015</th>
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<tbody>
<tr>
<td>2463583</td>
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<tr>
<td>19600030679</td>
</tr>
<tr>
<td>14249</td>
</tr>
<tr>
<td>34</td>
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<tr>
<td>18</td>
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<tr>
<td>150233620</td>
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<td>144191905</td>
</tr>
<tr>
<td>45134</td>
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</table>

5 sec difference

<table>
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<th></th>
<th>Value</th>
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<tbody>
<tr>
<td>Difference</td>
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</tr>
<tr>
<td>JournalBytes</td>
<td>297619 (= 290 KB)</td>
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<tr>
<td>QueueLength</td>
<td>0</td>
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<td>0</td>
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<tr>
<td>JournalRotate</td>
<td>0</td>
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<tr>
<td>TreeDepth</td>
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<tr>
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<td>2480</td>
</tr>
<tr>
<td>TreeNodesNumber</td>
<td>0</td>
</tr>
</tbody>
</table>
./check_fstab_mounts

Local check for checking if everything is mounted that is on auto in fstab.

Just put it in “local” folder of check_mk_agent
./zombies

Local check for checking if there are zombie processes

Just put it in “local” folder of check_mk_agent
Treasure: notifications

./notifications/*

Several scripts to notify using

- **Mobilant**
  - German SMS gateway: [http://www.mobilant.de/](http://www.mobilant.de/)

- **MultiTech**

- **Pushover**
  - Android/iPhone app – [http://pushover.net](http://pushover.net)

- **SNMP trap**
  - Sending snmp traps