UX continued: Great visualizations, simplified workflows, high performance

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tribe29
Context & objective of this session

We changed a lot with 2.0 – we hope you like it!

Current focus: finetune, eliminate any issues, leverage the full potential

Today we want to show some specific areas we are working on towards 2.1

We have many more ideas. But need your help to prioritize.

Please VOTE!
Lots of voting today. Let’s try it out once
01 | Dashboarding

02 | Workflows

03 | Performance for Usability
As you know, we have added many new elements.
In 2.0 FP1 we will release up to four new Dashboard elements

Host/Service state

- Memory
  - CRIT
- Disk I/O
  - OK

X/Y Hosts/Services are OK/NOK

- Pods
  - 46/48

Event statistics hexagon

Inventory dashlet

- Number of CPUs
  - 16
Roadmap: What else would you like to see - VOTE

**Doughnut** (alternative to Gauge)

2,236,354

**Host hexagons:** Expand functionality, e.g. enable „clustering“

**Time-series as bar chart**

**Maps inside the dashboard**

Source: Bryony Miles

Please VOTE for ONE option!
2.1: first application-specific dashboards off-the shelf
Roadmap: Which ones are most important? VOTE

<table>
<thead>
<tr>
<th>Potential application-specific dashboards</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Linux</td>
<td>AWS EC2</td>
</tr>
<tr>
<td>Windows</td>
<td>AWS S3</td>
</tr>
<tr>
<td>vSphere</td>
<td>AWS RDS</td>
</tr>
<tr>
<td>Docker</td>
<td>Azure VM</td>
</tr>
<tr>
<td>Kubernetes</td>
<td>Azure Storage</td>
</tr>
<tr>
<td>Oracle</td>
<td>Azure SQL</td>
</tr>
<tr>
<td>MySQL</td>
<td>Other?</td>
</tr>
</tbody>
</table>

Please VOTE for THREE options!
We have other IDEAS, too....

Help us in the following by telling us:

1. Do you like the ideas?
2. How would you rank their importance to you?
Idea: optional small dashboard above every host view.

Will be added for specific host types, based on discovered labels, tags or similar

Can be minimized, if not needed

Your VOTE
1 = Really like the idea
2 = OK, would help
3 = Don’t bother
This feature would imply several sub-features

1. Conditional dashboards
2. Dashboards with fixed height
3. Views can have a list of dashboards to show on top of them
Idea: preview dashboard elements during editing

Your VOTE

1 = Really like the idea
2 = OK, would help
3 = Don’t bother
Idea: share dashboards on the Checkmk Exchange

Users develop dashboards

Dashboards can be exported as MKPs, shared with other users on the Exchange

Your VOTE
1 = Really like the idea
2 = OK, would help
3 = Don’t bother
Idea: Instance-specific dashboards

**OPTION A: Add instance-specific dashboards**

Ex: Several Oracle DB instances on one host. Can filter today via workaround
Idea: improve power of filters

**OPTION A: Improve label-based filter combinations / operations**
- Beyond AND, add OR and more complex label operations

**OPTION B: Improve ability to save complex filter**
- Bookmark for complex filters (akin to predefined conditions in rulesets)

Your VOTE:
- Option A
- Option B
- Don’t bother
Idea: further improve our time-series metrics graphs

**OPTION A “New Feature”:** Set annotations at a specific point in time

**OPTION B “Improve Performance”**
Allow incremental updates during zoom-in/out
Reduce load from preview graphs (e.g. disable, select time-range, or load async)

**OPTION C: “Improve usability”**
Change zooming to area selection (rather than scroll zoom)

Your VOTE:
A, B, or C
Overall voting: what are your priorities for dashboarding

1. New dashboard visualizations (dashboard elements)
2. Application-specific dashboards
3. Preview Popup for dashboard element configuration
4. Dashboard Exchange
5. Small dashboard above every host view
6. Instance-specific dashboard
7. Improve overall filtering
8. Better performance graphs
9. URL for externally sharing dashboards

Your VOTE: 3 out of 9
(but can give less to emphasize)
01 Dashboarding
02 Workflows
03 Performance for Usability
Three areas in focus

- Page simplification & „decluttering“
- Simplified workflows
- Consistency
2.1: Currently working on page simplification

Top used pages:
1. Add Hosts
2. Service discovery
3. Activate changes

Other pages, e.g.
1. Dynamic host configuration
2.1: And on first workflows concepts. Ex: “Activate changes”
There are many areas to improve. Help us prioritize.

**VOTE**

A) **Global Settings**: Get started simplifying

B) **Special agents**: Ensure consistent configuration
   - HTTP/HTTPS, proxy, password store, certificate, .....  

C) **Rules**: Simplify config for most top rules (right order, structure, show less/more)
   - E.g: CPU, Mem, Interfaces, Disks, Temp

D) **Managing Hosts & Folders**: Redesign Folder Overview page

E) **Search**: Implement also for „Customize“ Menu

Your VOTES

Give 2 votes maximum
New rule: UCS Bladecenter
Setup > Agents > Other integrations > UCS Bladecenter > New rule: UCS Bladecenter

This rule selects the UCS Bladecenter agent instead of the normal Check_MK Agent which collects the data through the UCS Bladecenter Web API

<table>
<thead>
<tr>
<th>Rule Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
</tr>
<tr>
<td>Comment</td>
</tr>
<tr>
<td>Documentation URL</td>
</tr>
<tr>
<td>Rule activation</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>UCS Bladecenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Username (required)</td>
</tr>
<tr>
<td>Password (required)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Condition type</td>
</tr>
<tr>
<td>Folder</td>
</tr>
<tr>
<td>Host tags</td>
</tr>
<tr>
<td>Host labels</td>
</tr>
<tr>
<td>Explicit hosts</td>
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</tbody>
</table>
### Subfolders

<table>
<thead>
<tr>
<th>Name</th>
<th>Action</th>
<th>Attributes</th>
<th>Rules</th>
<th>Kontaktgruppen</th>
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<tbody>
<tr>
<td>Folder 01</td>
<td></td>
<td>12</td>
<td>24</td>
<td>8</td>
</tr>
<tr>
<td>Folder 02</td>
<td></td>
<td>7</td>
<td>31</td>
<td>12</td>
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</table>

### Hosts

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<thead>
<tr>
<th>Status</th>
<th>Host</th>
<th>Action</th>
<th>OK</th>
<th>WA</th>
<th>UN</th>
<th>CR</th>
<th>PD</th>
</tr>
</thead>
<tbody>
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<td>footbar</td>
<td><img src="image" alt="Icon" /></td>
<td>34</td>
<td>8</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>UP</td>
<td>cmk</td>
<td><img src="image" alt="Icon" /></td>
<td>12</td>
<td>2</td>
<td>3</td>
<td>6</td>
<td>0</td>
</tr>
<tr>
<td>UP</td>
<td>foo002</td>
<td><img src="image" alt="Icon" /></td>
<td>34</td>
<td>8</td>
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### Contact groups

- All Dashboard user: 1,354 Users
- Security group 01: 364 Users
- Security group 02: 41 Users
- System admins: 12 Users

### Attributes of folder

- Never use piggyback data: change
- Ignore errors in single check plugins: change
- Do full SNMP scan for SNMP devices: change
- Number of hosts to handle at once: 10
- Use cached data if present: change

### Rules of folder

- Do hardware/software inventory: 2
- Assignment of host to contact groups: 247
- Host check commands: 25
- Hosts to be monitored: 25
- Filesystem discovery: 1
01  Dashboarding

02  Workflows

03  Performance for Usability
2.1 Primary areas for UX-related performance improvements

Activate Changes
  +
Service Discovery

- Each process contains several logical steps
- Currently working through processes step-by-step
- Identifying potential improvement areas
- PoC’ing several approaches
- Example: incremental / granular activate changes
Questions?
Let’s continue talking!

It’s now or never
Come listen to me
I’m very clever
I know everything about Checkmk

Q&A Slack channel:
#cmk7-speakers-corner
Stay tuned!

Next up:
Symlifying monitoring from the Cloud
16:45-17:30 CEST / 10:45-11:30 am EST