



CHECK_MK

Check_MK Roadmap

04.05.2018, Lars Michelsen
Check_MK Conference #4

CONFERENCE
MUNICH 2018/5/2-4

#4

Major roadmap items towards 1.6

1 Dynamic cloud & container monitoring

2 User experience upgrade

3 Configuration experience & performance

+

4 Bits & pieces

Cloud & container

User experience upgrade

Configuration experience
and performance

Bits and pieces



Recap: Implications for monitoring



Cloud-APIs (for PaaS / SaaS)

→ Plugins



Containers as additional layer

→ Plugins



Fast changing environments

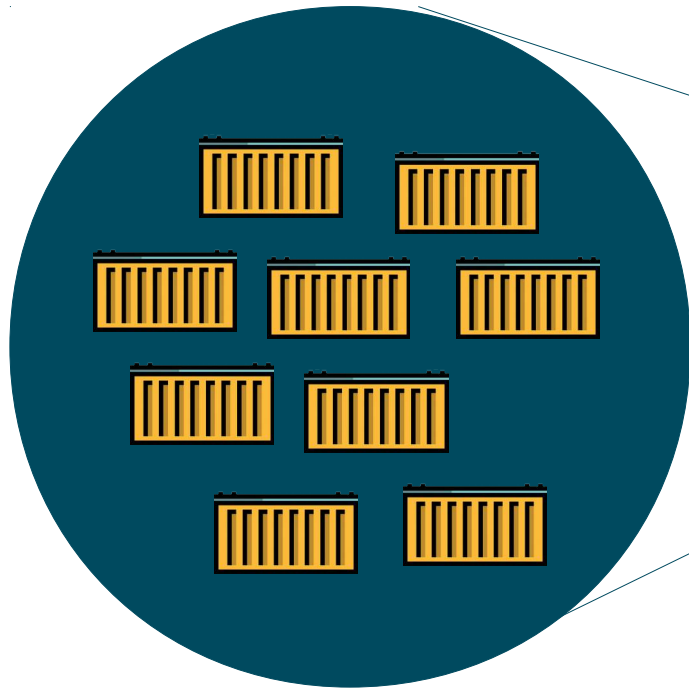
→ Dynamic configuration



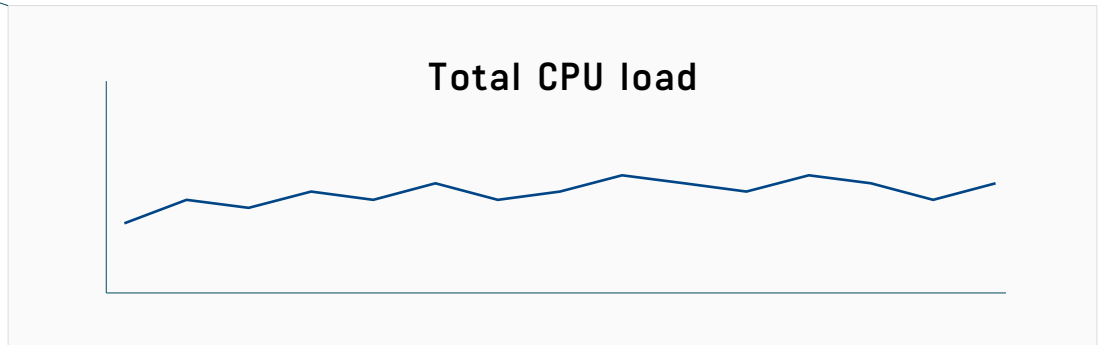
Single metrics become less relevant

→ Aggregated metrics

Deep dive: Aggregated metrics



Dynamic pool
of containers



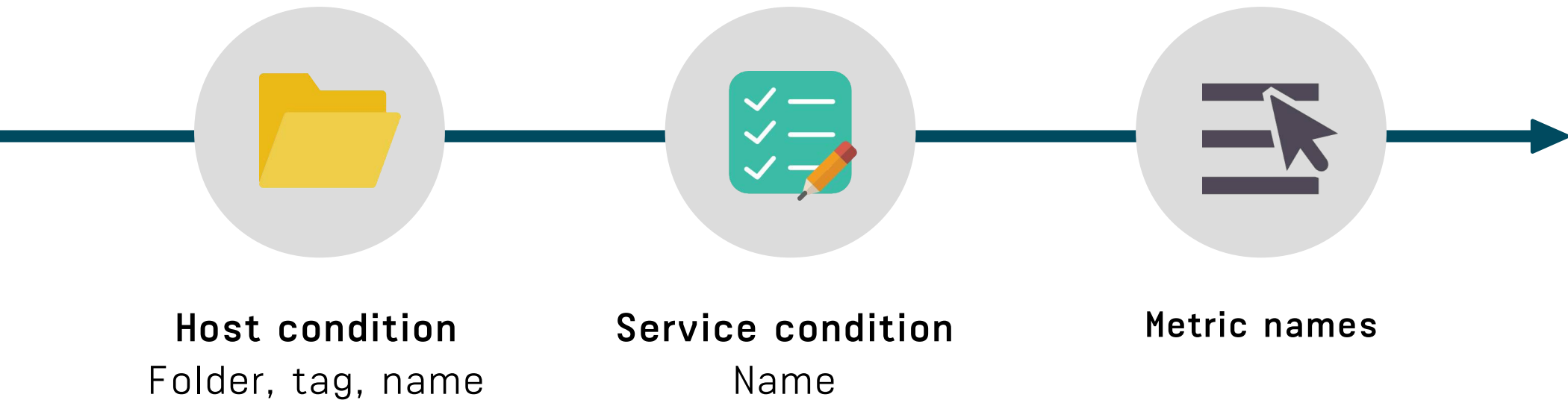
Aggregated metrics

Averages or total values over all containers



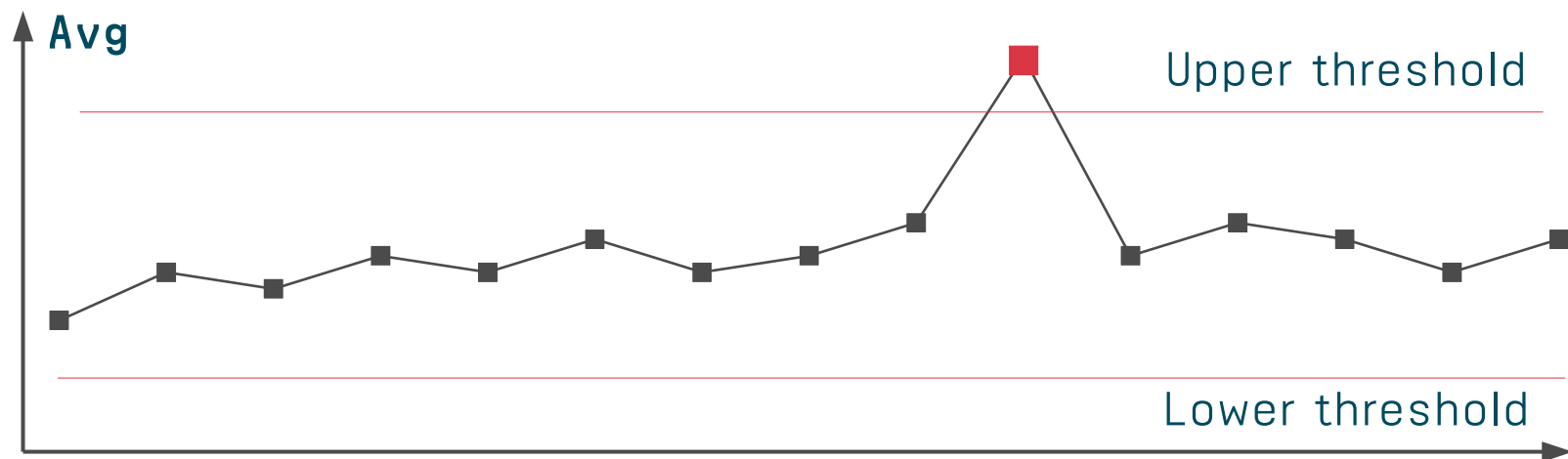
Understand performance & trends

How to select metrics for aggregation



Configure operation & outcome

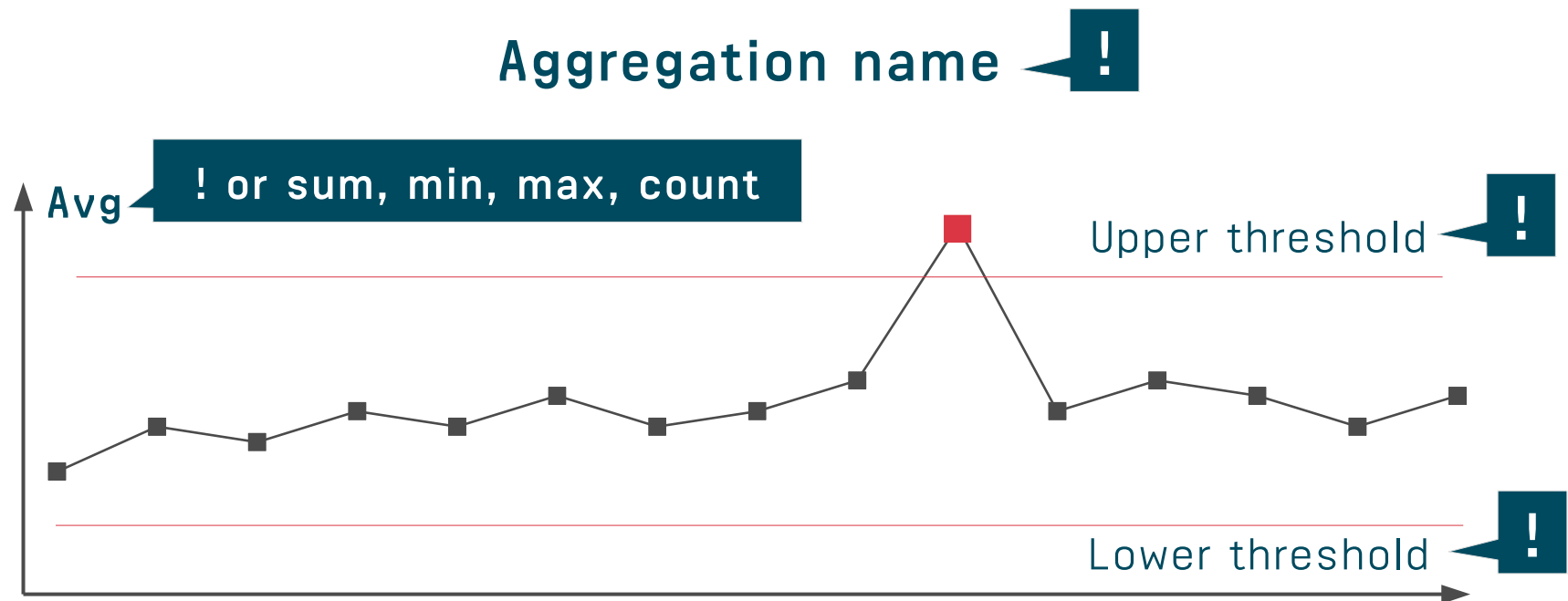
Aggregation name



This is not the future GUI



Configure operation & outcome



Assign to host

Why assign them to hosts?

A lot of things are free

+ Regular permission logic

+ SLA

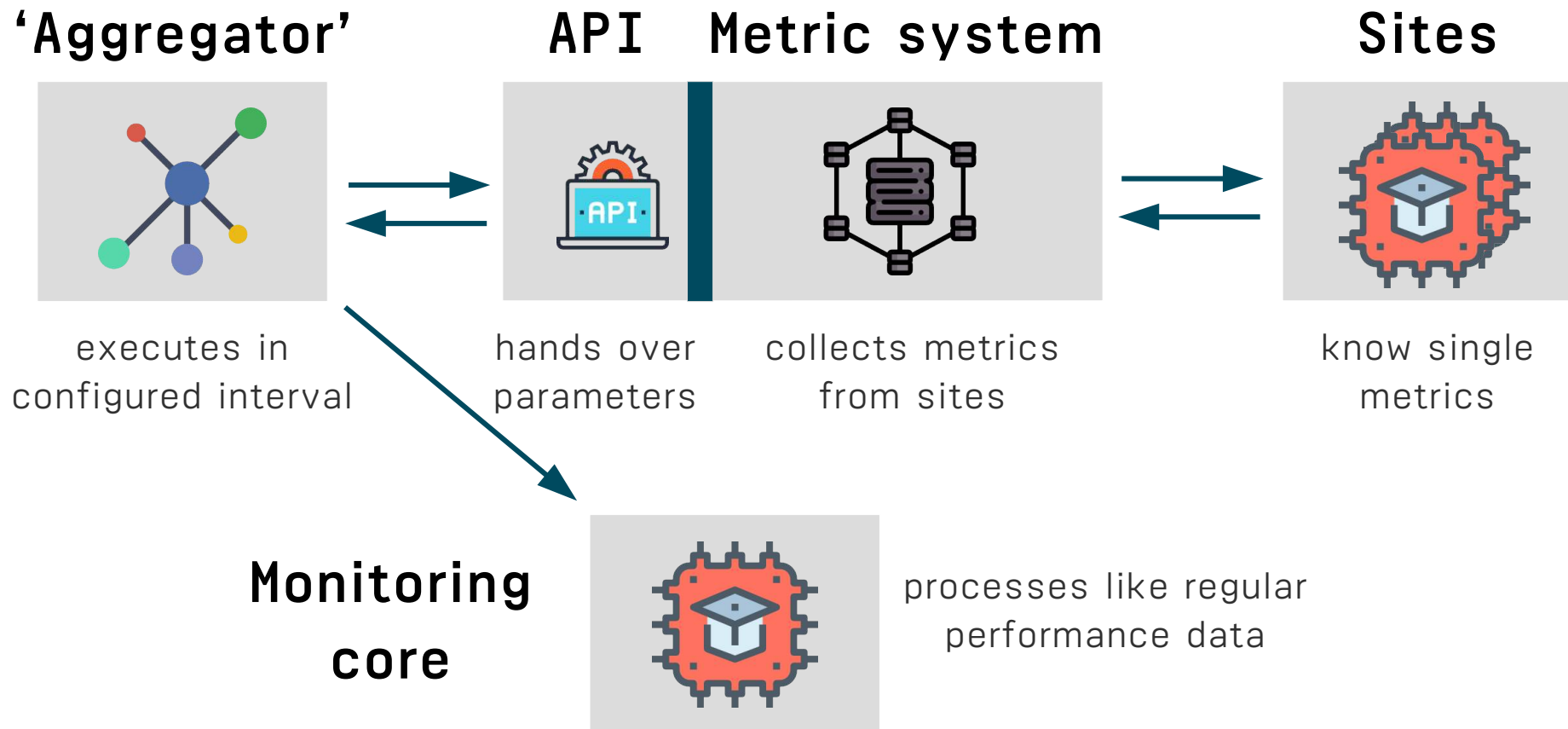
+ Notifications

+ Availability

+ BI aggregations

+ Reporting

How will aggregated metrics work?



Cloud & container

User experience upgrade

Configuration experience
and performance

Bits and pieces



New design of Check_MK User Interface



Facelift



Full redesign

For Check_MK 1.5

- Optional
- Keep general structure

For Check_MK 1.6

More flexibility for sidebar snapins



Hosts	Problems	Unhandled
102	1	1
Services	Problems	Unhandled
4754	1145	1145
Events	Problems	Unhandled
0	0	0

Following snap-ins are just sketches!



More flexibility for sidebar snapins

The image shows three sidebar snapins stacked vertically. The top one is 'Tactical Overview' with a close button. The middle one is 'Oracle Overview' with a settings gear and close button. It contains two tables: one for 'Databases' (102 total, 1 problem, 1 unhandled) and one for 'Instances' (4754 total, 1145 problems, 1145 unhandled). The bottom one is 'Cloud Overview: Azure' with a settings gear and close button. It contains two tables: one for 'VMs' (102 total, 1 problem, 1 unhandled) and one for 'Services' (4754 total, 1145 problems, 1145 unhandled). The tables use orange bars to represent the counts.

Category	Problems	Unhandled
Databases	1	1
Instances	1145	1145
VMs	1	1
Services	1145	1145

+ More overviews

just a sketch...



More flexibility for sidebar snapins

The image shows a sidebar with four snapins. The first two are 'Tactical Overview' and 'Oracle Overview', each with a close button (x). The third is 'Cloud Overview: Azure' with a settings gear and close button. It contains two rows of data: 'VMs' with 102, 1 problem, and 1 unhandled; and 'Services' with 4754, 1145 problems, and 1145 unhandled. The fourth is 'Cloud Overview: AWS' with similar settings and data.

Category	Count	Problems	Unhandled
VMs	102	1	1
Services	4754	1145	1145

+ More overviews

+ Multiple instances

still just a sketch...



More flexibility for sidebar snapins

The screenshot displays four sidebar snapins. The first two are 'Tactical Overview' and 'Oracle Overview'. The third is 'Cloud Overview: Azure' and the fourth is 'Cloud Overview: AWS'. Both cloud overview panels show a table with three columns: 'VMs', 'Problems', and 'Unhandled'. The 'VMs' row shows 102 VMs, 1 problem, and 1 unhandled problem. The 'Services' row shows 4754 services, 1145 problems, and 1145 unhandled problems. The 'Containers' row (only in the AWS panel) shows 156 containers, 0 problems, and 0 unhandled problems.

VMs	Problems	Unhandled
102	1	1

Services	Problems	Unhandled
4754	1145	1145

VMs	Problems	Unhandled
102	1	1

Services	Problems	Unhandled
4754	1145	1145

Containers	Problems	Unhandled
156	0	0

+ More overviews

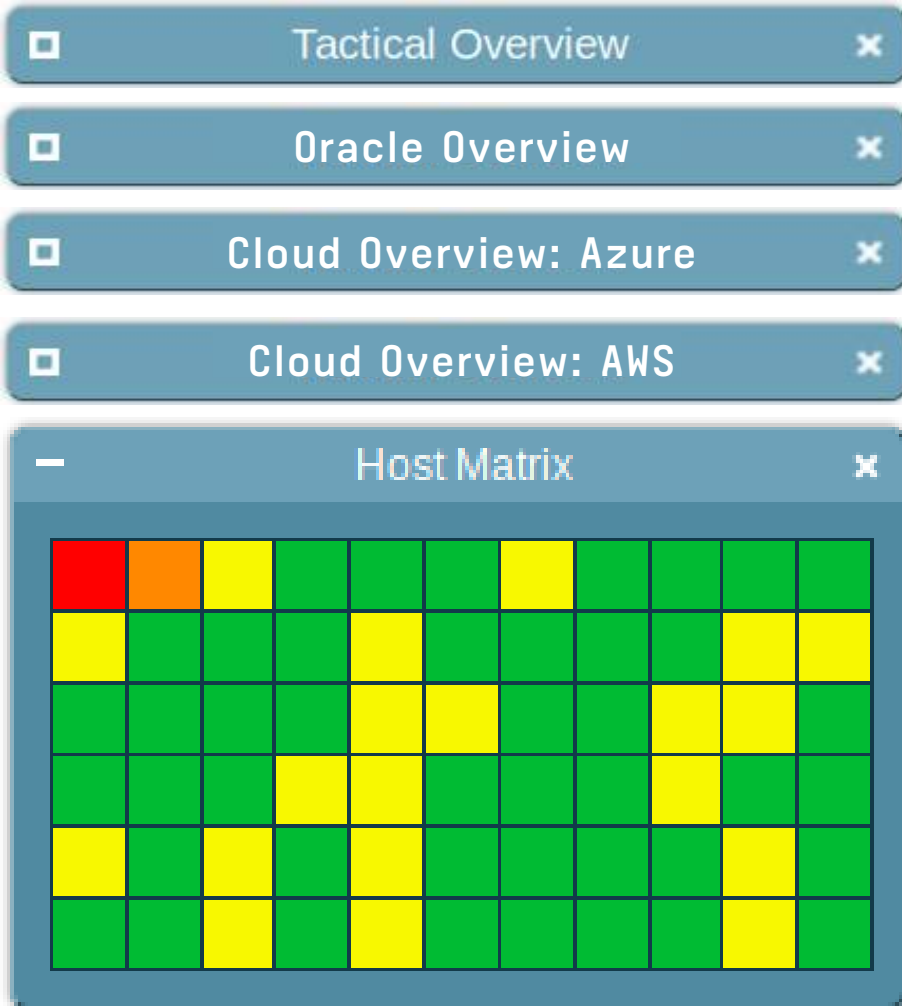
+ Multiple instances

+ Configurable:
e.g. filters

and another sketch...



More flexibility for sidebar snapins



The sidebar contains four snapins stacked vertically:

- Tactical Overview
- Oracle Overview
- Cloud Overview: Azure
- Cloud Overview: AWS

Below these is a larger snapin titled "Host Matrix" which displays a 6x10 grid of colored cells. The colors are red, orange, yellow, and green.

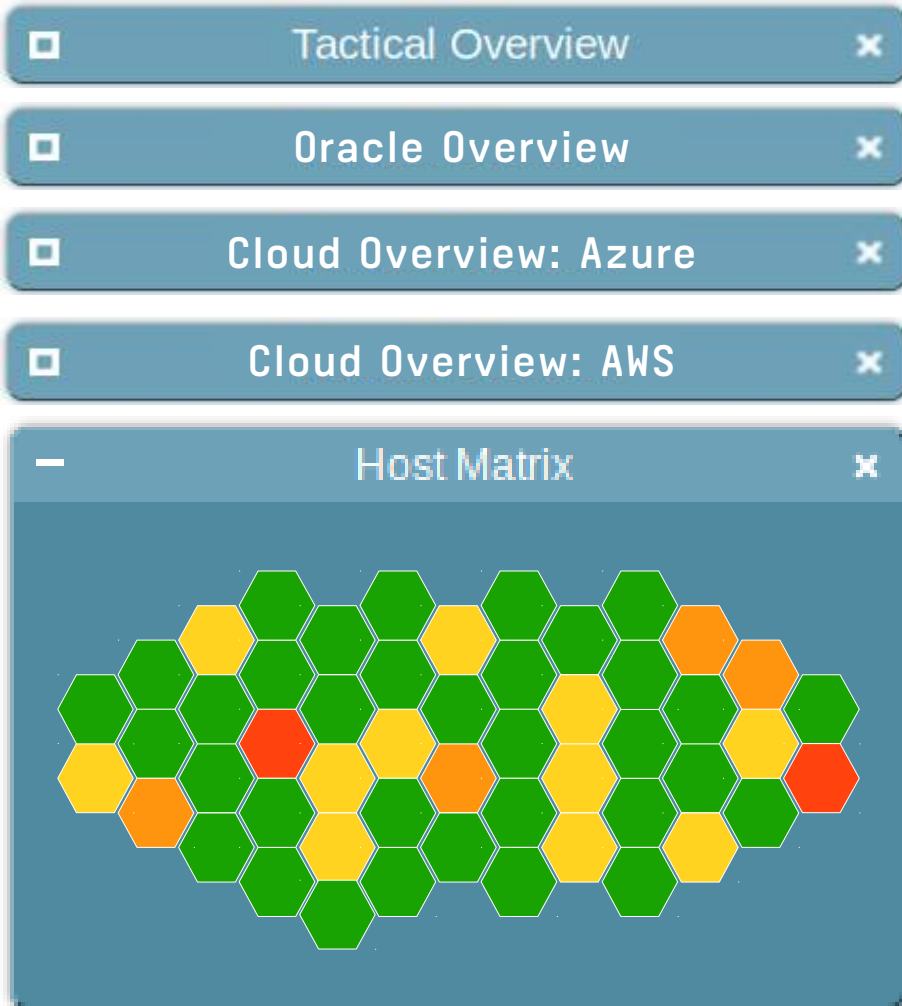
Red	Orange	Yellow	Green	Green	Green	Yellow	Green	Green	Green	Green
Yellow	Green	Green	Green	Yellow	Green	Green	Green	Green	Yellow	Yellow
Green	Green	Green	Green	Yellow	Yellow	Green	Green	Yellow	Yellow	Green
Green	Green	Green	Yellow	Yellow	Green	Green	Green	Yellow	Green	Green
Yellow	Green	Yellow	Green	Yellow	Green	Green	Green	Yellow	Green	Green
Green	Green	Yellow	Green	Yellow	Green	Green	Green	Green	Yellow	Green

- + More overviews
- + Multiple instances
- + Configurable: e.g. filters
- + Configurable ...

not a sketch!



More flexibility for sidebar snapins



+ More overviews

+ Multiple instances

+ Configurable:
e.g. filters

+ Configurable:
e.g. appearance

Sketch or no sketch?



- 1) Cloud & container
- 2) User experience upgrade
- 3) Configuration experience and performance**
- 4) Bits and pieces



Make configuration even more powerful



Service discovery usability

Improve handling of slow responding hosts



More tag power: Currently working on concept

Idea #1: OR-conditions within a tag group

Idea #2: Regular expressions on tags

Cloud & container

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and performance

Bits and pieces



Agent bakery



Caching proxy

- Keep central overview
- Cached distribution
- Reduce bandwidth



Custom file baking

- Bakery plugins miss local files
- Rework plugin API
- Generic handling of local files



**Standard
MSI**

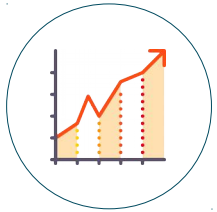


**Agent
updater**

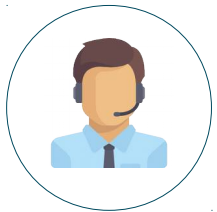


**Reliable
Agent
installation**

Ideas, ideas



Microcore: Check helper scalability



CME: Care about notification configuration



Internal: Lots of stability & maintainability

Wrap up

We want to remain your partner for the future –
developing the new focus areas with you and for you

If you miss key strategic elements, **please let us know**

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Thank you for joining us ...
... and see you next year again

The Check_MK Team