The Checkmk Roadmap

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Our roadmap – our knowledge today

The following information outlines our current product roadmap.

But IT-technology and our market are highly dynamic.

Thus, tribe29 may decide to change functionality or timing.

The roadmap is for information purposes, not a binding commitment.
Four major themes towards 2.1, then next big topics

- **Q1 2021:** 2.0
- **Q2 2021:** FP1
- **Q3 2021:** Ca. 2.1
- **Q4 2021:** FP1
- **Q1 2022:** Ca. 2.2

Themes:
- Cloud
- Kubernetes
- UX
- Integrations & extensibility

Additional features

Next big topics
01  Current major themes

Cloud
Kubernetes
UX & Dashboarding
Integrations & Open Extensibility
Additional Features

02  Next big topics
Simpler monitoring from the cloud – v2.1

Cloud

**Standard cloud images**: Amazon Machine Image, aspirational Azure

Stand-alone deployment or deployment in distributed set-up

**Push agent** for Linux/Windows platforms

**TLS-encrypted** and compressed communication

Support **monitoring of dynamically created workloads** *(aspirational)*
Simpler monitoring from the cloud – v2.2

Cloud

Local **on-prem proxy** e.g. for SNMP (monitors, collects, pushes)

**Push agent** for less common platforms
Cloud monitoring coverage – v2.1

**Current**
- EC2, EBS
- S3 & Glacier
- RDS & DynamoDB
- ELB & A.ELB & N.ELB
- WAFv2
- CloudWatch
- Costs & Usage
- Exceptions

**Checkmk 2.1**
- Checkmk „push“ agent
- AuroraDB
- DocumentDB
- SQS
- Lambda

**Current**
- Virtual Machines
- Storage Accounts
- Webserver
- SQL Databases
- AD Connect
- Virtual Network Gateways
- Agent Info
- Summary of VMs
- Usage Details (costs)

**Checkmk 2.1**
- Checkmk „push“ agent
- DB PostgreSQL/MySQL
- CosmosDB
- Service Bus
- Load Balancer

Will be released in v2.1 FP1
Kubernetes – v2.1

Dedicated **Checkmk Kubernetes agent** for in-depth data collection

Sensible structuring of hosts and services

**Cluster dashboard**

Support for vanilla Kubernetes
Kubernetes – v2.2

Further dashboards (e.g., Deployment, Node)

Opinionated monitoring with expert thresholds

Support for further Kubernetes distros like EKS, OpenShift, GKE

Adaptation of Prometheus integration

Event monitoring

Auto-set-up of Kubernetes monitoring
Dashboarding – v2.1

UX

New visualizations (host/service state, inventory data, etc.)

Application-specific dashboards (Linux, Windows, vSphere)

Improved functionality for context-sensitive dashboards
Workflows & performance – v2.1

UX

**Page simplification** for most used pages

Simplified **workflows** (Activate Changes)

Improved **consistency**

Improved **performance of Activate Changes**
Opservability integrations– v2.1

Integrations & Open Extensibility

DataDog integration (monitors, events) – import

Updated Grafana integration (using new Grafana API) – export

Native InfluxDB integration (metrics & labels) – export
Open extensibility: Added more UI-languages – v2.1

Integrations & Open Extensibility

- We added **further languages**. First translation is machine-supported. Now you can help

- Example: Checkmk in **Japanese**
Open extensibility: Please help improve translations

Integrations & Open Extensibility

https://translate.checkmk.com
### New and expanded Checks & Agents

**Additional features**

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01

Current major themes

- Cloud
- Kubernetes
- UX & Dashboarding
- Integrations & Open Extensibility
- Additional Features

02

Next big topics
The following is a high-level outline of four potential major topic areas

We would love to get your feedback as to

- Whether these make sense to you?
- What specifically is relevant for you within these areas?
- What would you find most valuable?
Four big topics under consideration

Expansion of Application Monitoring

Expansion of Log Management

Dependencies & Correlations

E2E / Synthetic Monitoring
Expansion of Application Monitoring

MARKET CONTEXT

- Increasing relevance of code instrumentation approaches for application monitoring

OPTIONS FOR CHECKMK

a. Enable custom application monitoring in Checkmk via custom metrics
b. Offer a query language (or GUI-based) to enable flexible transformation of metrics

VOTES, one each for a, b

1 = Really like the idea
2 = OK, would help
3 = Don’t bother

Other ideas:
Please comment
Expansion of Log Management

MARKET CONTEXT

- Bringing together status, metrics and logs can speed-up root cause analysis

OPTIONS FOR CHECKMK

a. Visually bring together log information with other information in a timeline
   - Combine with: Monitoring history
   - Combine with: Event Console information
   - Combine with off-the-shelf import integration with Splunk, Elastic, or other

b. Build capability to export data off-the-shelf to Splunk, Elastic, or other

c. Build out scalability of Checkmk's internal log/event mgmt., the Event Console

VOTES, one each for a, b, c

1 = Really like the idea
2 = OK, would help
3 = Don’t bother

Other ideas:
Please comment
 Dependencies & Correlations

MARKET CONTEXT
- Improved dependency detection and correlations are an often-demanded feature
- But two different use cases, that are often mixed in discussions

OPTIONS FOR CHECKMK
a. Build out dependencies & correlations with a focus to speeding up Root Cause Analysis (implication: statistics, information is better than no information)
b. Build out Service Dependencies with a focus on reducing notification „avalanches“ (implication: information must be right, need to manually validate)

VOTES, one each for a, b
1 = Really like idea A
2 = Really like idea B
3 = OK or don’t bother

Other ideas:
Please comment
End-to-end (synthetic) Monitoring

MARKET CONTEXT
- An important lens is to understand the user experience of a system
- Synthetic monitoring = simulate user experience via automated tests
- RobotMK is an open-source project to address this

OPTIONS FOR CHECKMK
- Deeper integrate RobotMK in Checkmk to offer this out-of-the-box

VOTES
1 = Really like the idea
2 = OK, would help
3 = Don’t bother

Other ideas:
Please comment
And now: What is most important? Ranked Vote

Expansion of Application Monitoring

Expansion of Log Management

Dependencies & Correlations

E2E / Synthetic Monitoring
Roadmap voting in Slack

Biggest CMK 2.0 improvement
Suggested product integrations
Checks & Agents coverage
Checkmk areas for investment

See our Roadmap Slack Channel, all surveys are pinned!
Questions?
It’s time to wrap up ...
#behindthescenes #orgapower #conferencingliketheresnotomorrow

Sieglinde  Martin  Melina  Cristian  Julia
Iva  Alexandra  Faye  Baris

... and many more that helped prepare and run the conference!
#communityrocks

Andreas

Jens

Ralf

Robert

Simon
#cmk7 #presenters
#conferencingliketheresnotomorrow
Farewell from all of us and see you next year!
#cmk7 #finalcurtain #conferencingliketheresnotomorrow