Simplifying monitoring from the cloud

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Checkmk offers great hybrid cloud monitoring today...
...but we want to take it to the next level

We want to improve further

- More cloud-native experience
- Simplified configuration
- Handling of dynamic workloads
- Expanded cloud monitoring

Four major areas of improvements in progress

1. Make it simpler deploy Checkmk in the cloud
2. Make it simpler to monitor on-premise from the cloud
3. Expand monitoring of dynamically created cloud workloads
4. Build out the multi-cloud services monitored by Checkmk
Make it simpler to deploy Checkmk in the cloud

How we do it:

- Checkmk as image on the marketplace
  - Deploy Checkmk image as EC2 instance
  - Preconfigured for secure cloud usage
  - Supports stand-alone monitoring
  - Supports deployment as remote site in a distributed environment

- Licensing via BYOL or leveraging the platform licensing (AWS only)
Make it simpler to monitor on-premise from the cloud - 1

How we do it:

- Push agent calls „home“ to avoid firewall issues
- All traffic is TLS-encrypted
- All traffic is compressed
- Reduced default rate of data push
Make it simpler to monitor on-premise from the cloud - 2

How we do it:

- Local SNMP proxy (think Checkmk light)
- Actively monitors SNMP devices
- Collects all SNMP traps
- Push aggregated results
Expand monitoring of dynamically created workloads

How we do it:

- New cloud workloads contact Checkmk
- Hosts are automatically created
- Based on configuration, labels and enrollment rules, the host is assigned to a folder
- Services are auto-discovered
- All folder rules automatically apply
Build out the multi-cloud services monitored by Checkmk

What we currently monitor

- EC2
- EBS
- S3 & Glacier
- RDS & DynamoDB
- ELB & ApplicationELB & NetworkELB
- WAFV2
- CloudWatch
- Costs and usage per Service
- Exceptions

Additional service monitoring suggested for V2.1

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

Please vote for additional checks!
# Build out the multi-cloud services monitored by Checkmk

<table>
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<th>What we currently monitor</th>
<th>Additional service monitoring suggested for V2.1</th>
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<tbody>
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<td>• Virtual machines</td>
<td>• Checkmk „push“ agent</td>
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<td>• Storage accounts</td>
<td>• Database for PostgreSQL/MySQL</td>
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<td>• Webserver</td>
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<td>• Summary of VMs</td>
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<td>• Usage details (costs)</td>
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Build out the multi-cloud services monitored by Checkmk

How we do it:

- AWS and Azure are our priority 1
- Google Cloud is our priority 2
- Please provide your opinion for priority 3:
  - OpenStack
  - Oracle Cloud
  - VMWare Cloud Foundation

Please share your priorities
The value of all of that: Be the partner in our customers’ cloud transformation - enabling full flexibility

On-prem heavy  Hybrid  Cloud heavy

AWS  Azure  AWS  Azure  AWS

What ever use case is optimal for you today - and next year - and the year after that

Checkmk’s flexibility will enable you to tailor your monitoring setup as you see fit - at great value for money
Timeline

Cloud-native images

Push agent

AWS & Azure cloud check

Dynamic workload discovery (aspirational)

Google Cloud checks

SNMP proxy

AMI Image

Linux/Win

Azure Image

Addtl. platforms

Q4-2021

V2.0 FP1

V2.1

V2.1 FP1

V2.2

Q3-2022
Questions?
Stay tuned!

Next up:

*Integrations, automation and security*

18:00-18:45 CEST / 12:00-12:45 pm EST
Time for Coffee!
See you back in 30 minutes!
Thank You!

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