



State of Checkmk



Jan Justus

CEO

Checkmk GmbH



HAPPY BIRTHDAY
Checkmk
Conference

#10

Happy birthday Checkmk Conference!



July 2009



An 'add-on' is born

Happy birthday Checkmk Conference!



July 2009



An 'add-on' is born

Oct 2014



Conference #1

Happy birthday Checkmk Conference!

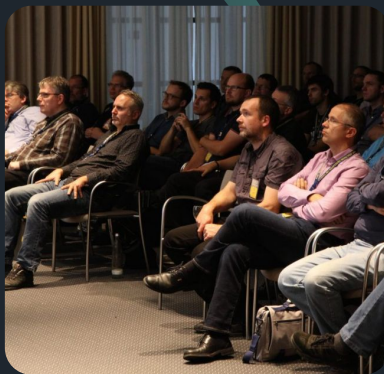


July 2009



An 'add-on' is born

Oct 2014



Conference #1

June 2024



Conference #10

Investing into the future.



2018

1,400

Customers

16

Employees

Investing into the future.



2018

1,400

Customers

16

Employees

2024

4,500

Customers

160

Employees

Our mission: bringing visibility into your hybrid IT

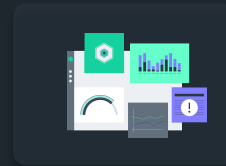


Worked to fulfill this mission over the last 5 years



One integrated monitoring
Secure and scalable

Great user experience
for beginners and experts



Modern monitoring
for the hybrid world



Extensible interfaces
for development and automation



Great user experience for beginners and experts



GUI



Great user experience for beginners and experts



Dashboard



Great user experience for beginners and experts



Usability

Wa Un Cr Pd S

Filter

+

Add filter

Apply filters

Reset

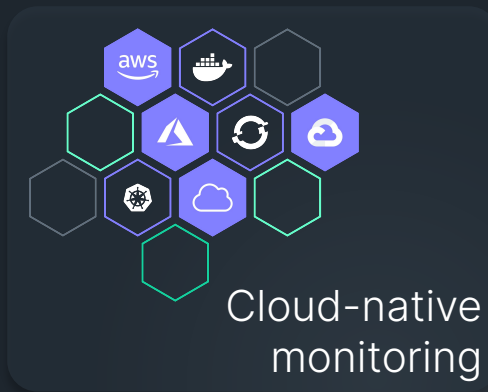
Host labels

Label	is	cmk/os_family:linux	x
	or	cmk/check_mk_server:yes	x
	and	(Select label)	
and	is not	cmk/site:beta	x
	not	(Select label)	

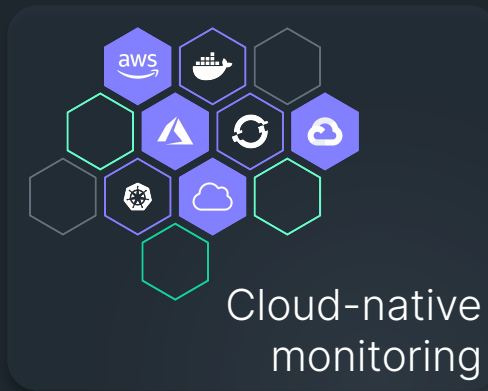
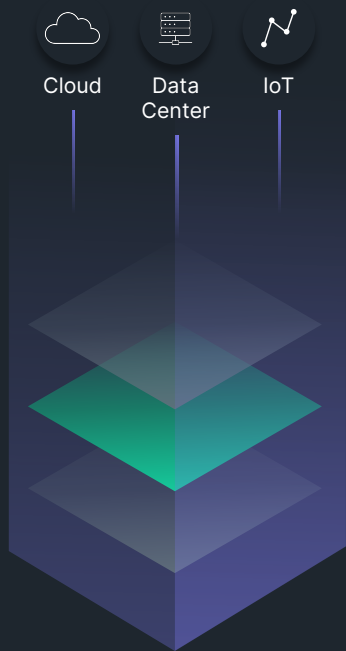
+

Add to query

Modern monitoring for the hybrid world



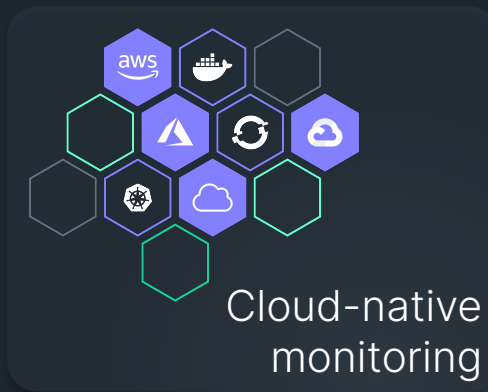
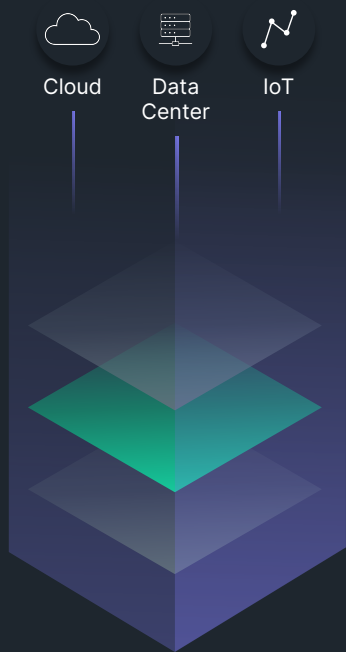
Modern monitoring for the hybrid world



Labels

cmk/os_type:linux

Modern monitoring for the hybrid world



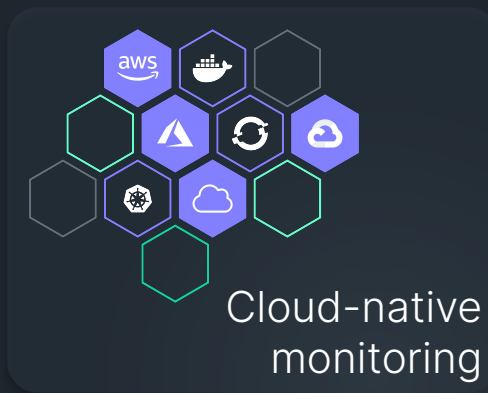
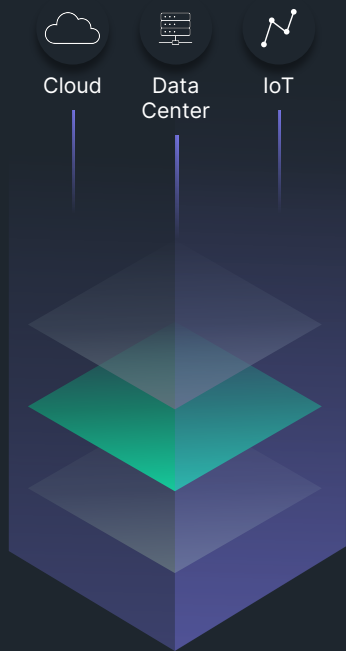
Labels

cmk/os_type:linux

Modern agent
architecture
(+push mode)



Modern monitoring for the hybrid world

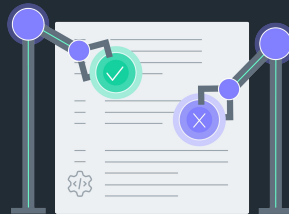


Modern agent architecture
(+push mode)



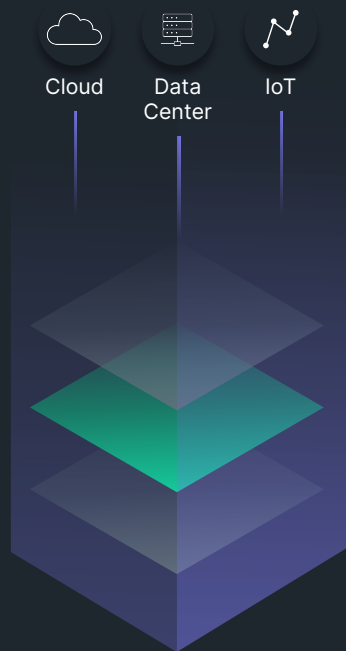
Labels

```
cmk/os_type:linux
```



Auto-monitoring
dynamic loads

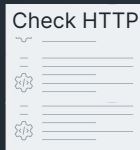
Modern monitoring for the hybrid world



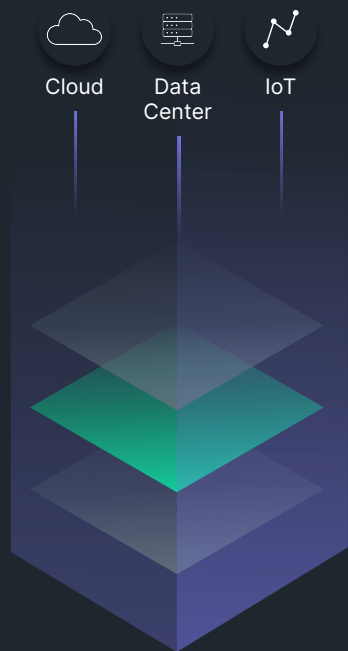
Application monitoring

Availability
Performance
Functionality

Web service monitoring



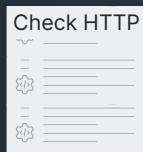
Modern monitoring for the hybrid world



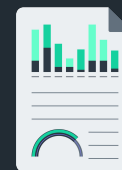
Application monitoring

Availability
Performance
Functionality

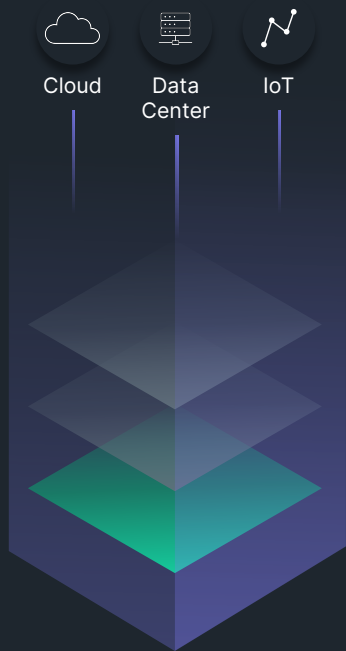
Web service monitoring



Synthetic monitoring



Extensible interfaces for development & automation



Agent-based
API

Extensible interfaces for development & automation



Agent-based
API

Ruleset
API



Server-side
calls API



Graphing
API

Extensible interfaces for development & automation



Rest API + Ansible collection

Search...

Hosts

- POST** Bulk create hosts
 - POST** Bulk delete hosts
 - PUT** Bulk update hosts
 - POST** Create a cluster host
 - POST** Create a host
 - GET** Show all hosts
 - DEL** Delete a host
 - GET** Show a host
 - PUT** Update a host
 - POST** Move a host to another folder
 - PUT** Rename a host
 - POST** Wait for renaming process completion
 - PUT** Update the nodes of a cluster host
- Host groups >
- Host tag groups >

Show all hosts

This endpoint requires the following permissions:

- Optionally:
 - `wato.see_all_folders`: Users without this permissions can only see folders with a contact group they are in.

AUTHORIZATIONS: (headerAuth) OR (webserverAuth) OR (cookieAuth)

QUERY PARAMETERS

`effective_attributes` boolean
Default: `false`
Example: `effective_attributes=false`
Show all effective attributes on hosts, not just the attributes which were set on this host specifically. This includes all attributes of all of this host's parent folders.

Responses

- > 200 OK: The operation was done successfully.
- > 400 Bad Request: Parameter or validation failure.
- > 403 Forbidden: Configuration via Setup is disabled.
- > 406 Not Acceptable: The requests accept headers can not be satisfied.

GET /domain-types/host_config/collections/...

Request samples

requests urllib httpie curl

```
#!/usr/bin/env python3
import pprint
import requests

HOST_NAME = "localhost"
SITE_NAME = "beta"
API_URL = f"http://{HOST_NAME}/{SITE_NAME}/chec

USERNAME = "automation"
PASSWORD = "test123"

session = requests.session()
session.headers['Authorization'] = f"Bearer {US
session.headers['Accept'] = 'application/json'

resp = session.get(
    f"{API_URL}/domain-types/host_config/collect
    params={
        # goes into query string
        "effective_attributes": False, # Show a
    },
)

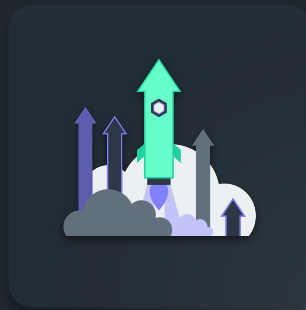
if resp.status_code == 200:
    pprint.pprint(resp.json())
elif resp.status_code == 204:
    print("Done")
else:
    raise RuntimeError(pprint.pformat(resp.json))
```

One integrated monitoring: Secure and scalable



One integrated monitoring
Secure and scalable

Checkmk
Conference



Performance

- Hexagon icon 'Checker-Helper'
- Hexagon icon Incremental configuration



Security

- Hexagon icon Multi-Factor authentication
- Hexagon icon Single-Sign-On

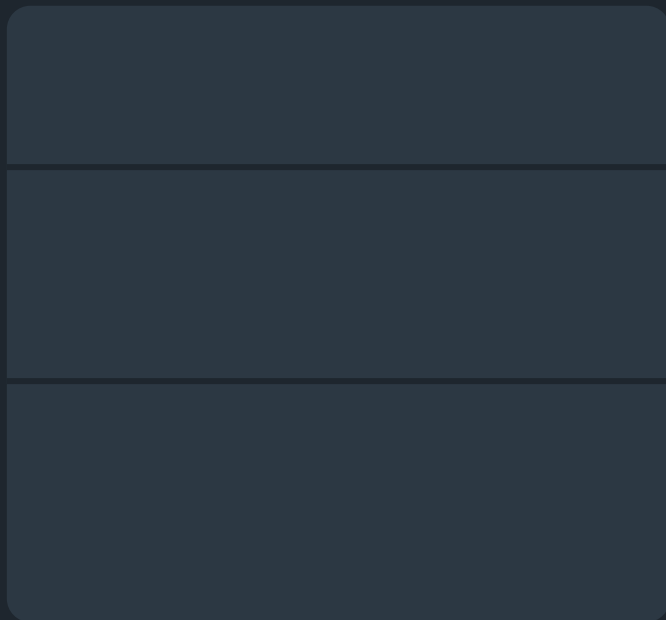
Checkmk Today



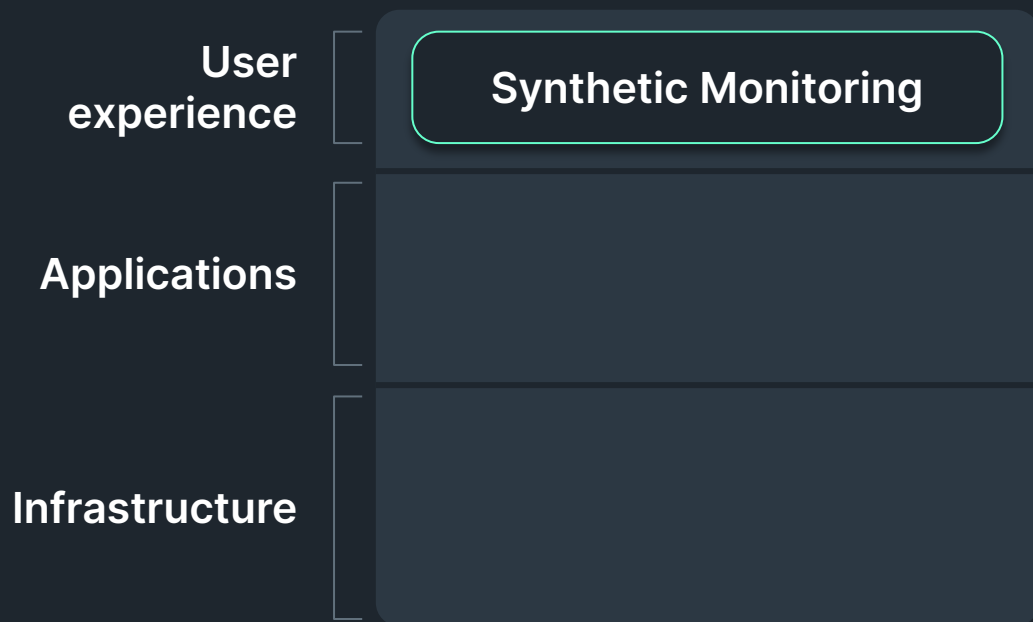
User
experience

Applications

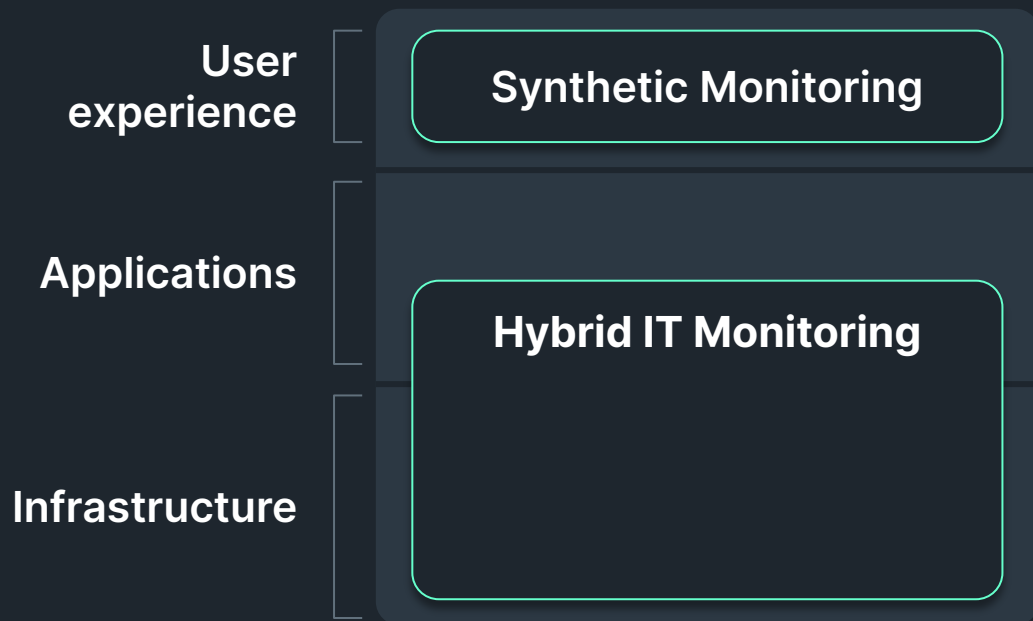
Infrastructure



Checkmk Today



Checkmk Today



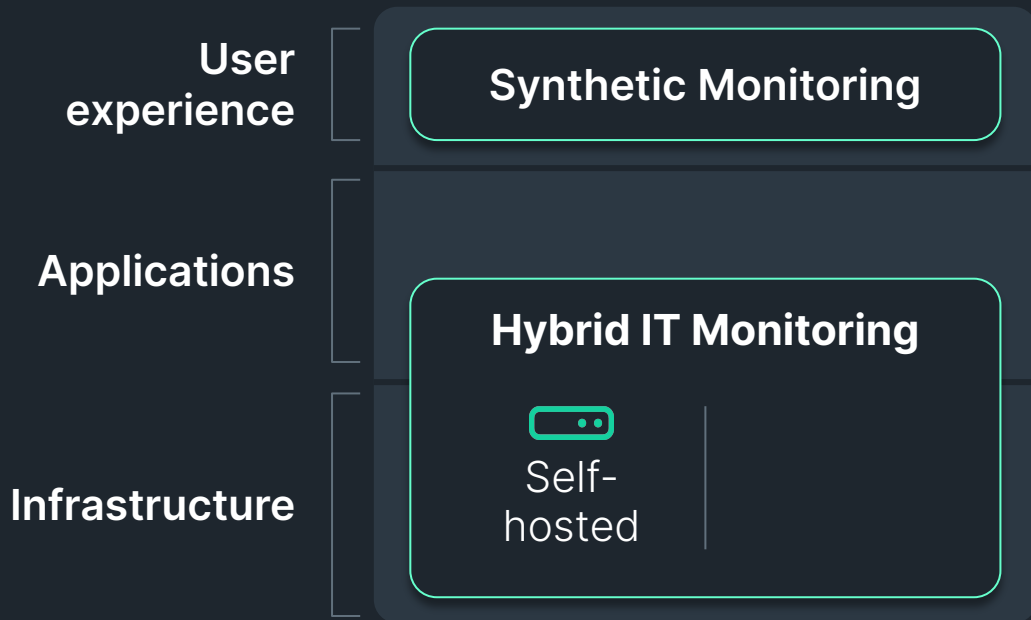


So, **where next?**

Checkmk-as-a-Service



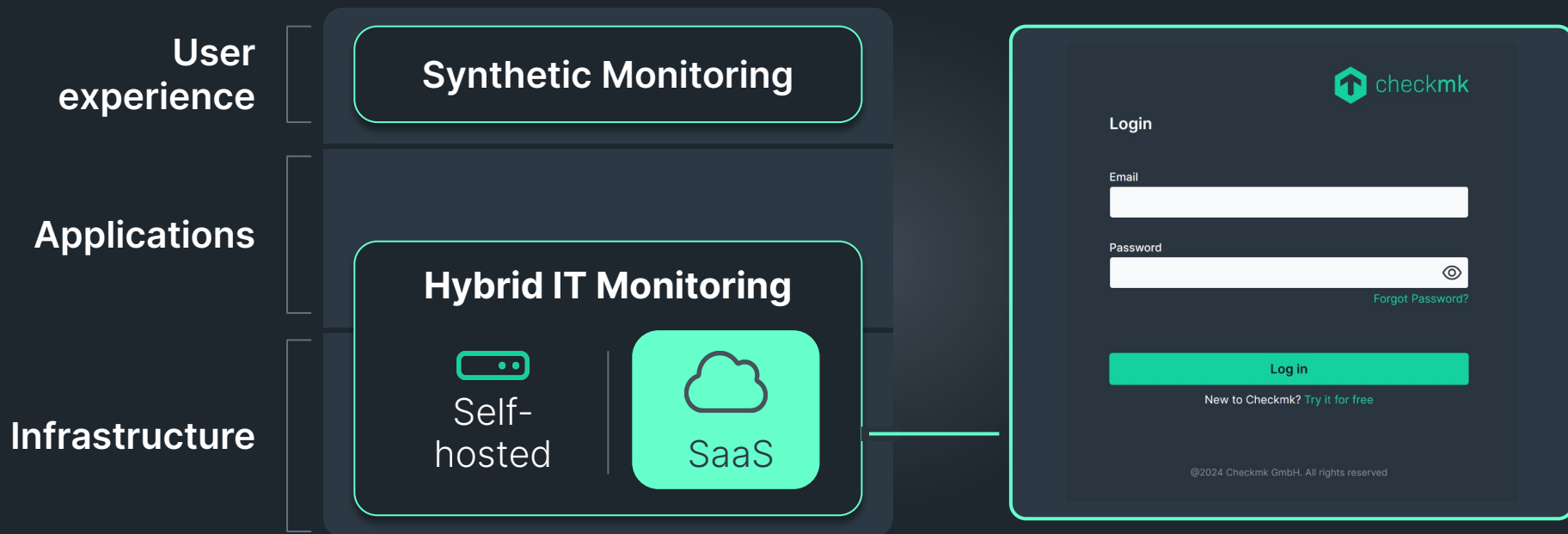
6 12 24 months



Checkmk-as-a-Service



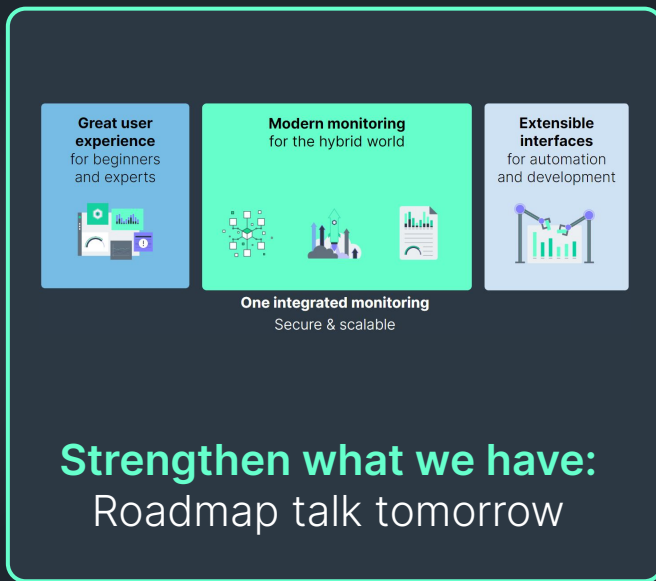
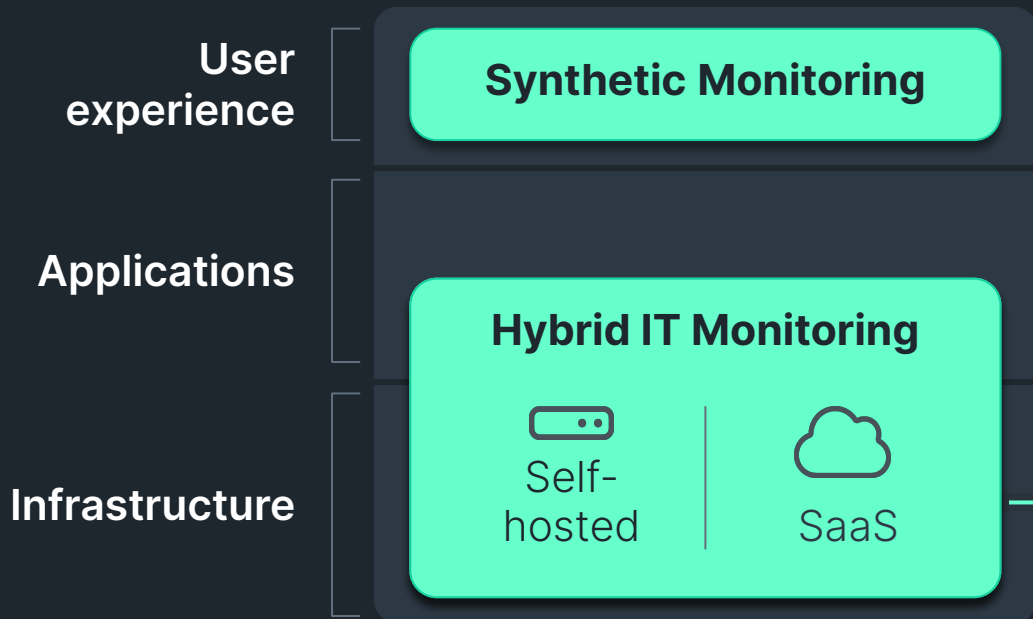
6 12 24 months



Checkmk 2.4



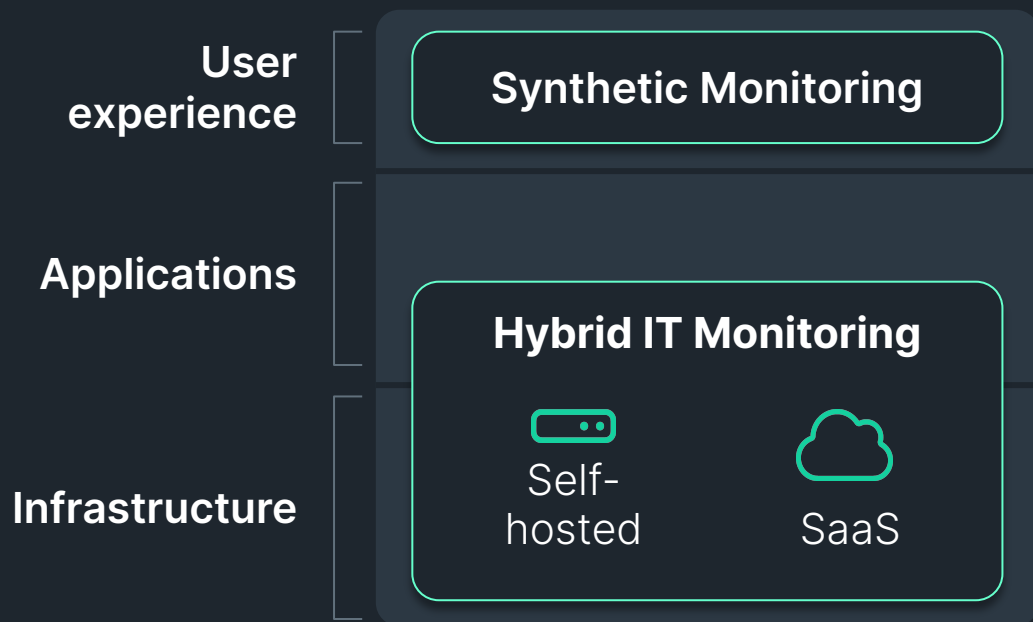
6 12 24 months



Build-out application monitoring



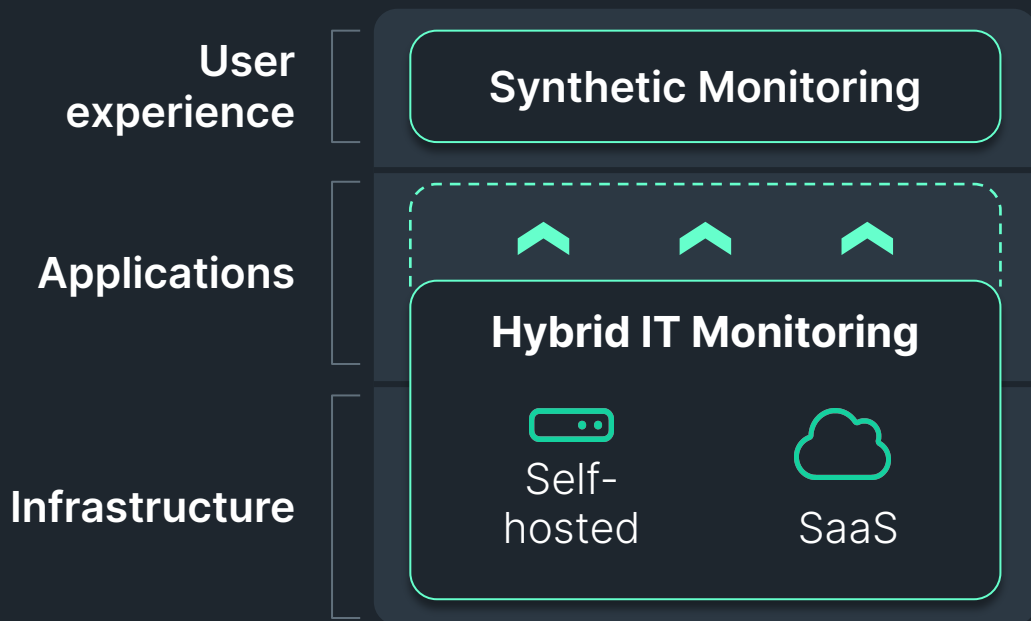
6 12 24 months



Build-out application monitoring



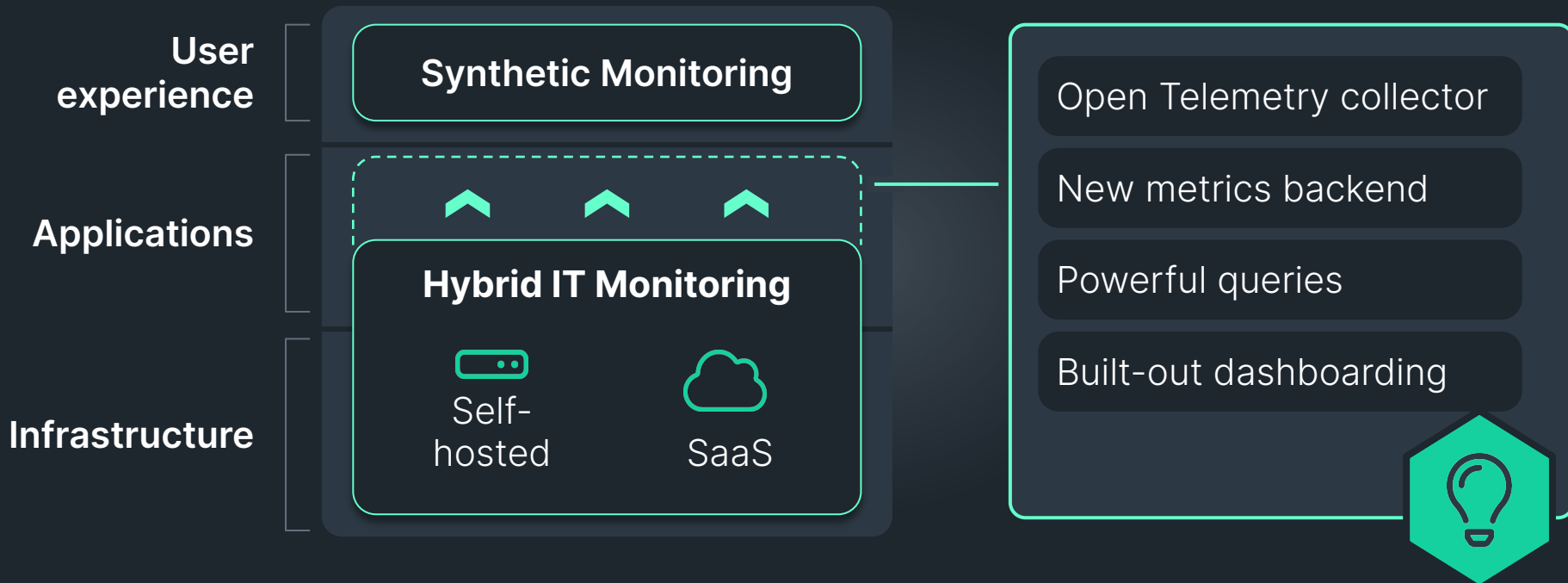
6 12 24 months



Build-out application monitoring



6 12 **24** months



Let's get into details: 'Checkmk 2.3 at a glance'

Checkmk #10

Conference