

Webinar

# Grundlegende Konfigurationsoptionen in Checkmk

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**01** Konzepte der Konfiguration

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**02** Technische Live-Demo

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# Das Setup-Menü

Fast alle Komponenten werden hier konfiguriert:



Hosts & Services



Schwellwerte und Host-/Service-spezifische Anpassungen



Benutzer und Benachrichtigungen



Taggruppen und Labels



Integration verteilter Umgebungen ... und vieles mehr

Änderungen werden aktiv, nach Anwendung von Activate Changes...

## Main directory

Setup > Hosts > Main directory

8 changes

Hosts Folder Related Display Help Filter

Search in Setup



show less

### Hosts

- Hosts
- Host monitoring rules
- Tags
- Dynamic host management
- Host groups
- Custom host attributes
- HW/SW inventory rules

### Services

- Service monitoring rules
- Discovery rules
- Enforced services
- HTTP, TCP, Email, ...
- Other Services
- Service groups
- Catalog of check plugins

### Business Intelligence

- Business Intelligence

### Agents

- Windows, Linux, Solaris, AIX
- Other operating systems
- Agent registration
- VM, Cloud, Container
- Other integrations
- Agent access rules
- SNMP rules

### Events

- Notifications
- Event Console
- Alert handlers

### Users

- Users
- Contact groups
- Roles & permissions
- LDAP & Active Directory
- SAML authentication
- Custom user attributes

### General

- Rule search
- Global settings
- Read only mode
- Predefined conditions
- Time periods
- Passwords
- Distributed monitoring
- Audit log
- Custom icons

### Maintenance

- Backups
- Licensing
- Extension packages
- Support diagnostics
- Analyze configuration
- Background jobs

### Exporter

- InfluxDB Connections

# Das Setup-Menü

Meistens werdet ihr mit Hosts/Services arbeiten

## Wichtige Konzepte:



Vererbung



Tags und Labels

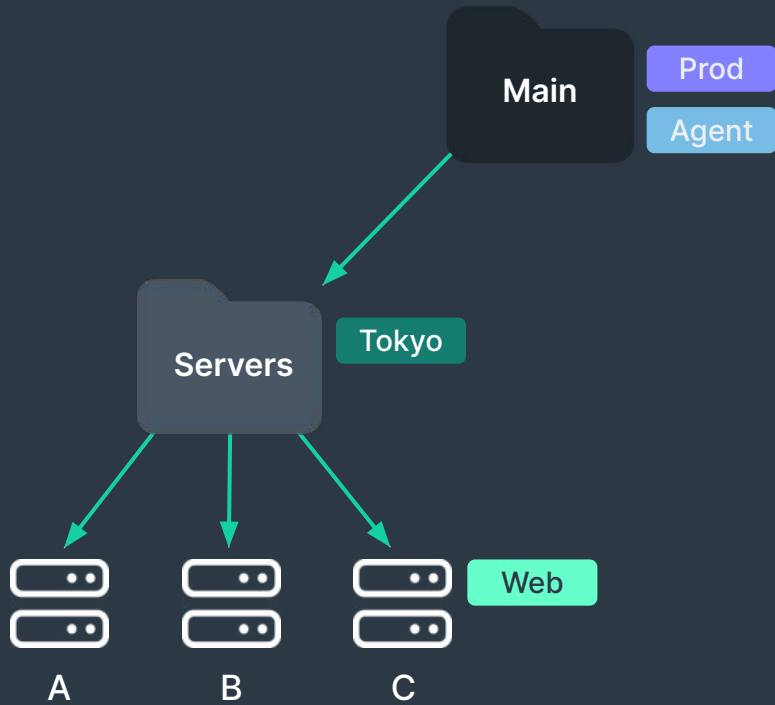


Regelbasierte Konfiguration

Search in Setup show less

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# Was heißt „Vererbung“?

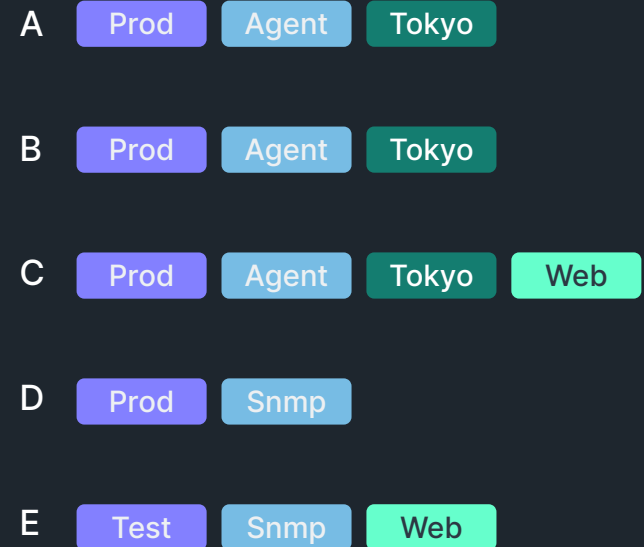
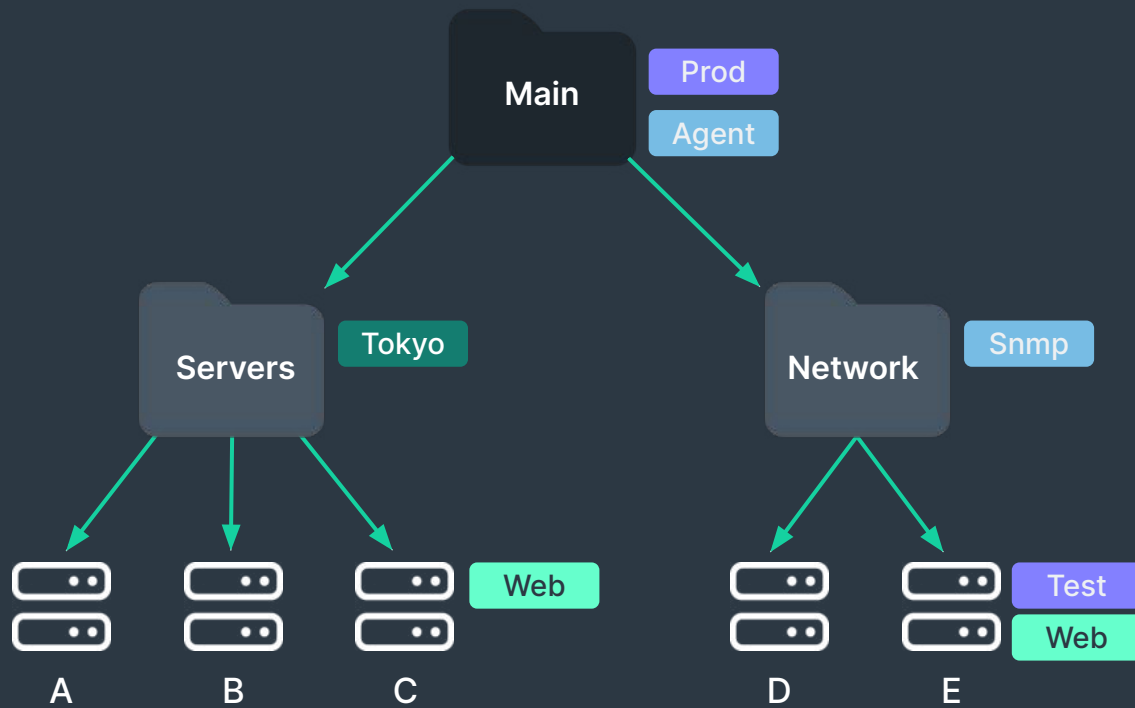


A Prod Agent Tokyo

B Prod Agent Tokyo

C Prod Agent Tokyo Web

# Was heißt „Vererbung“?



# Was sind „Tags“ und „Labels“?



Tags sind vordefinierte, gruppierte Eigenschaften.

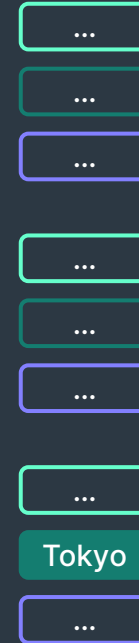


Labels sind dynamische Schlüssel-Wert-Paare (Key-valuepair).

Hosts						
X	Actions	Hostname	Monitored on site	Auth	Tags	Explicit labels
■		localhost	demo_20 - Demo Instanz		<code>address_family:ip-v4-only</code> <code>agent:cmk-agent</code> <code>ip-v4:ip-v4</code> <code>mydemogroup:no_os</code> <code>piggyback:auto-piggyback</code> <code>site:demo_20</code> <code>snmp_ds:no-snmp</code> <code>tcp:tcp</code>	<code>demo:workshop</code>

# Was heißt „Regelbasiert“?

Regelauswertung



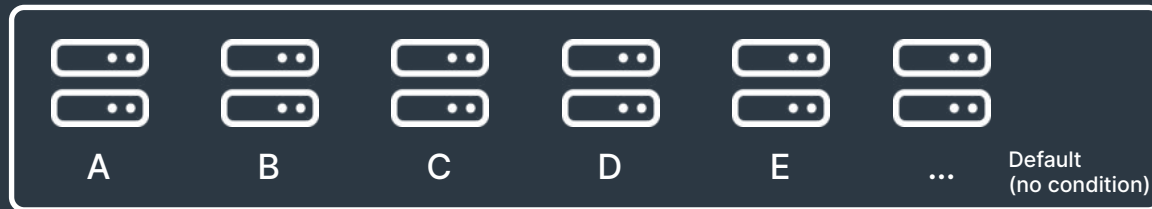
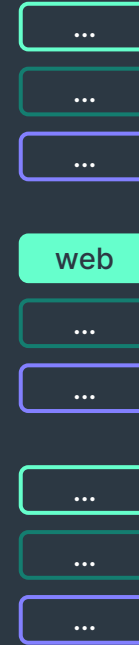
## Einfache Anwendungsfälle:

- 1. Eine Regel für Hosts in Tokyo
- 2. Eine Regel für alle Web-Hosts
- 3. Eine Regel für einen speziellen Host



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Regelauswertung



...

...

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...

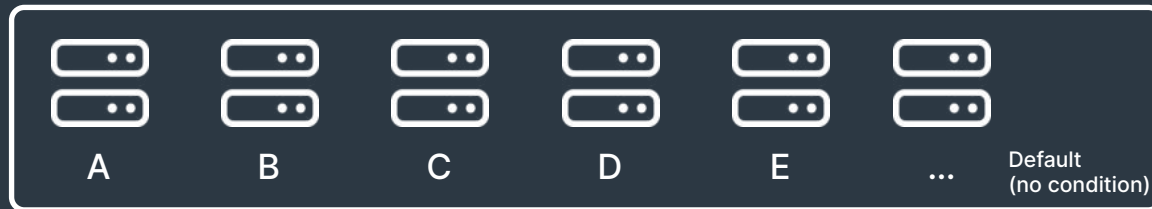
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...

...

...



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# Technische Live-Demo



# Demo

## Berechtigungen

### Mit welchen **Funktionalitäten** darf ein Benutzer arbeiten?

- 🛡️ Darf er Berichte erstellen?
- 🛡️ Darf er Hosts anlegen, aber nicht löschen?
- 🛡️ .. u.v.m.

### Mit welchen **Objekten** darf ein Benutzer arbeiten?


- 🛡️ Sehen, bearbeiten, erstellen u.v.m.

▼ Identity

Username (required) ..... server-admin

Full name (required) ..... Server Admin

Email address ..... server@admin.cmk

Pager address ..... 

Authorized sites ..... All sites

May see all sites

▼ Security



Authentication .....  Normal user login with password

password:

repeat:  (optional)

Enforce change:  Change password at next login or access

Automation secret for machine accounts

Disable password .....  disable the login to this account

Idle timeout ..... Use the global configuration

Roles .....  Administrator

Guest user

Normal monitoring user

Normal monitoring with less permissions

▼ Contact Groups

Büro Deutschland

Network Administrators

Server Administrators

► Notifications

► Personal settings

► Interface settings

# Demo

## Users



### Users

- LDAP, SAML und lokal
- Automation-User



### Roles & Permissions

- Granulares Berechtigungsmanagement
- Abgeleitet von anderen Rollen

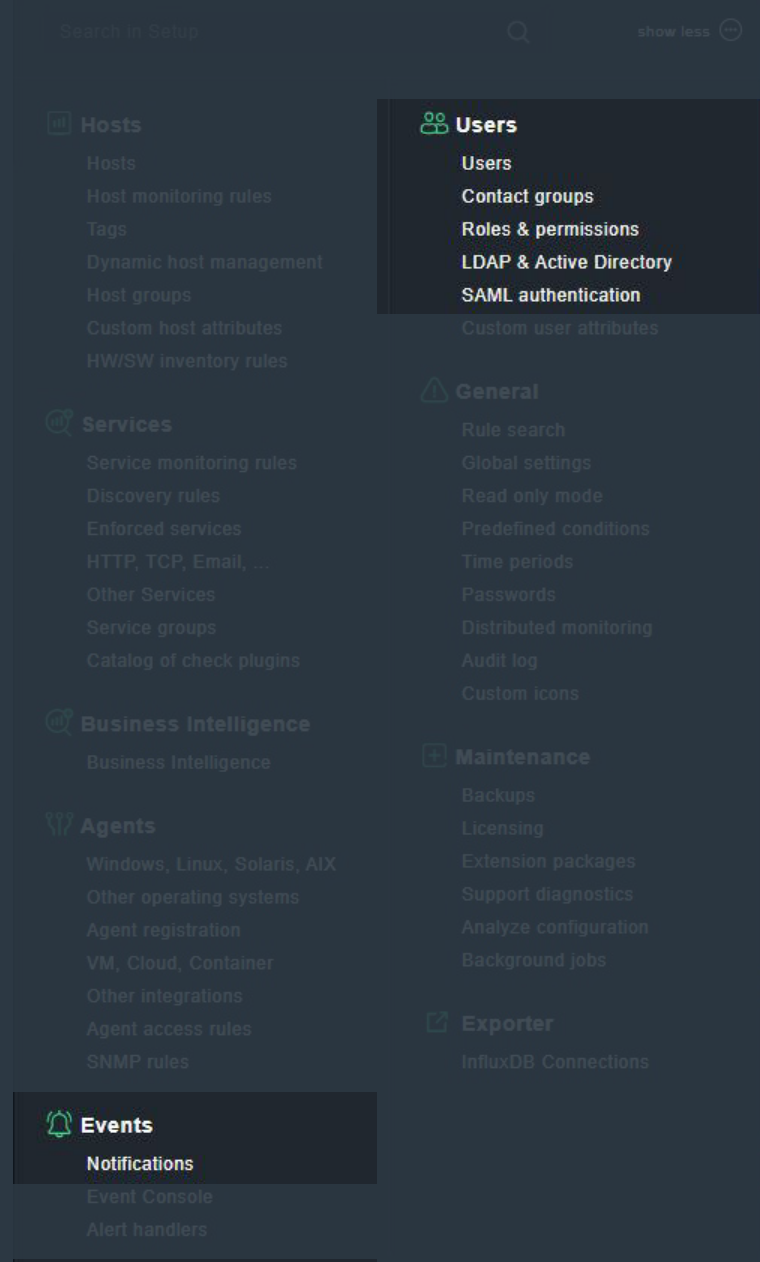


### Contact Groups

- Regelt die Zuständigkeit der Hosts und Services



### Notifications



# Demo

## Hosts / Services



Tags, Labels, andere Attribute



Folder & Vererbung



Hosts & Services



Datenquellen: Agents, Special, SNMP, Active / Manual Checks



Auto-Config:

- Dynamic Host Management
- Network Scan
- API

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# Demo

## Rulesets



### Regelspezifische Komponenten:

- Special Agents, Active Checks
- Services Thresholds
- Meta-Configuration



### Conditions

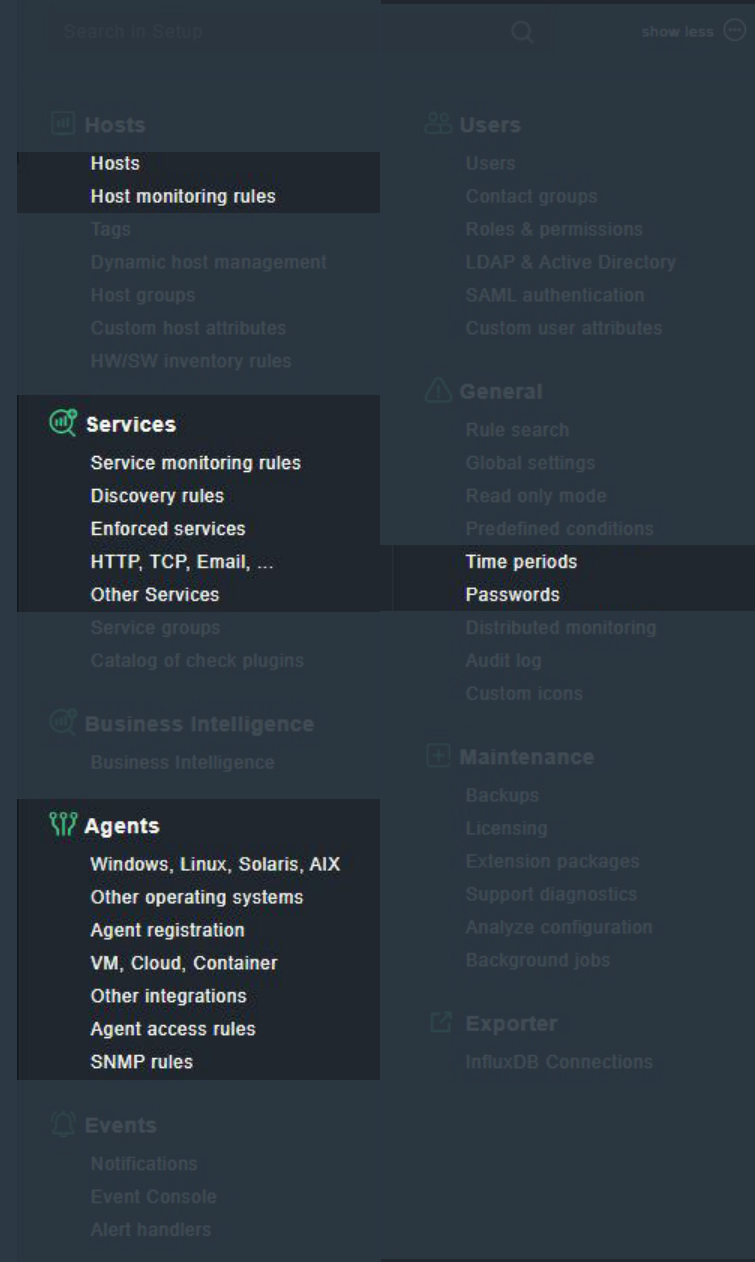
- Folder, Tags, Labels, explizit, etc.
- Predefined Conditions



### Time Periods

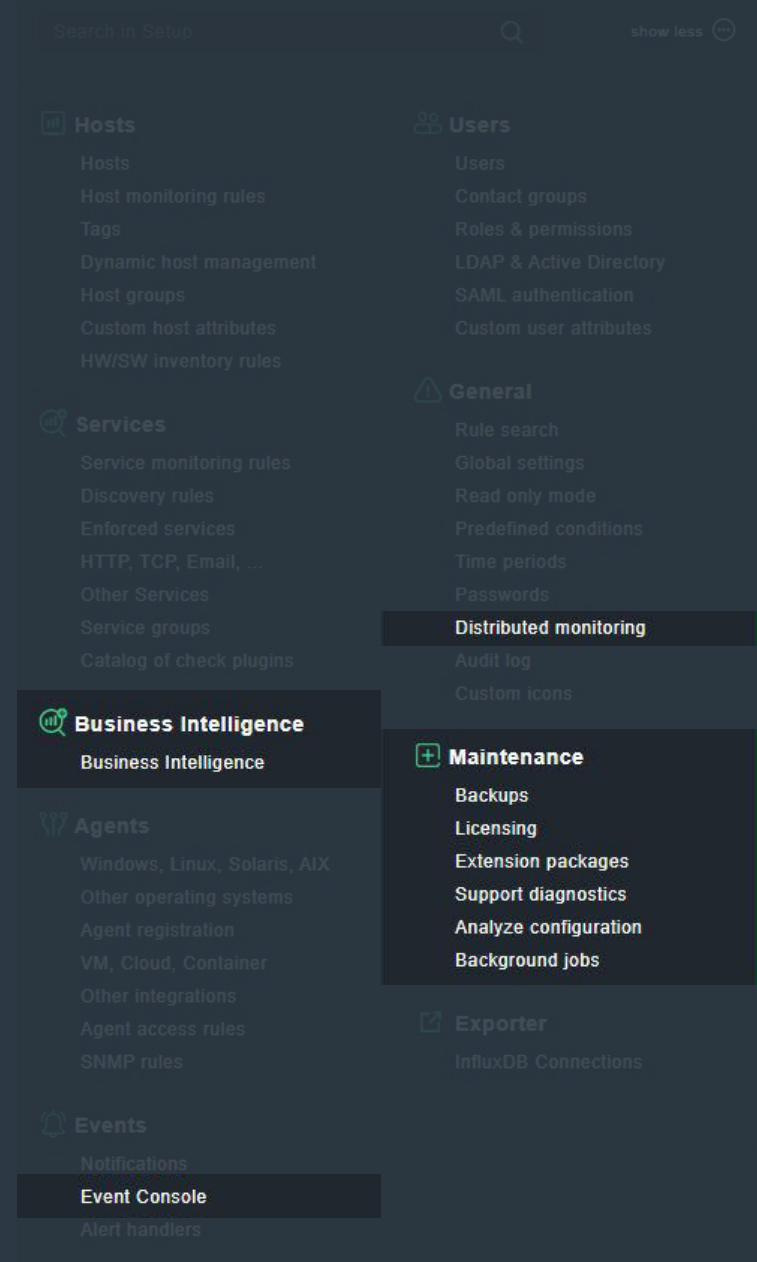
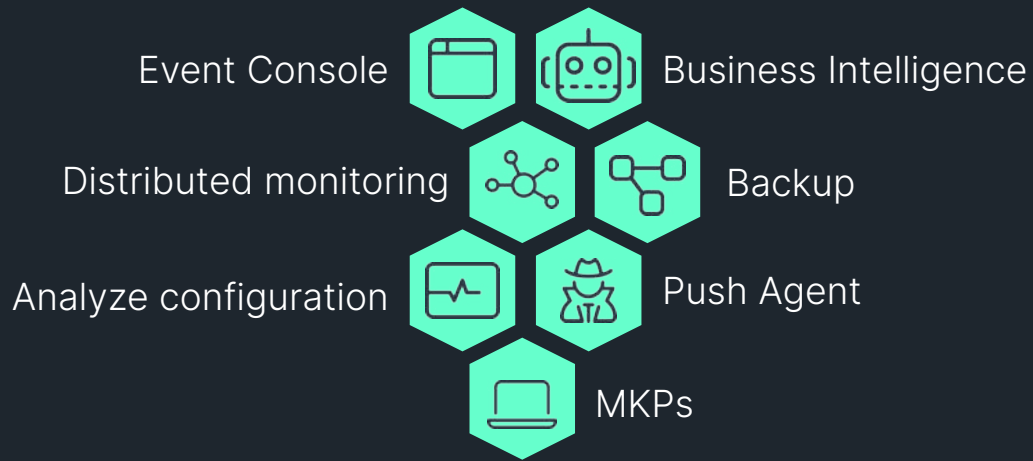


### Passwords



# Demo

## Weiteres





# Ressourcen & Nützliche Links



# Ressourcen & Nützliche Links



- Einleitung zur Konfiguration: [docs.checkmk.com/latest/de/wato.html](https://docs.checkmk.com/latest/de/wato.html)
- Hosts: [docs.checkmk.com/latest/de/hosts\\_setup.html](https://docs.checkmk.com/latest/de/hosts_setup.html)
- Services: [docs.checkmk.com/latest/de/wato\\_services.html](https://docs.checkmk.com/latest/de/wato_services.html)
- Regeln-Konfiguration: [docs.checkmk.com/latest/de/wato\\_rules.html](https://docs.checkmk.com/latest/de/wato_rules.html)
- Benutzer, Zuständigkeiten und Berechtigungen: [docs.checkmk.com/latest/de/wato\\_user.html](https://docs.checkmk.com/latest/de/wato_user.html)
- Alarmierung (Notifications): [docs.checkmk.com/latest/de/notifications.html](https://docs.checkmk.com/latest/de/notifications.html)
- Checkmk Knowledge Base: [kb.checkmk.com](https://kb.checkmk.com)
- Checkmk Forum: [forum.checkmk.com](https://forum.checkmk.com)



- Checkmk Tutorials: [checkmk.com/de/videos](https://checkmk.com/de/videos)
- Das Checkmk Duo: Best practices for organizing folders in Checkmk: <https://youtu.be/UPXVDdgPwZE>

The background is a dark blue-grey color. There are four teal-colored hexagons scattered around the central text. One is on the left side, one is at the top left, one is at the bottom right, and one is on the right side.

Fragen?



# Checkmk Conference

June 11-13, 2024

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# Vielen Dank!



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