



# New in 2.3:

Improved User Experience



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UX Designer

Checkmk GmbH

slido



What's the oldest (major) version of Checkmk you've ever used?

- ① Click Present with Slido or install our [Chrome extension](#) to activate this poll while presenting.



### Tactical Overview

Hosts	Problems	Unhandled
120	0	0
Services	Problems	Unhandled
2280	599	599

### Quicksearch



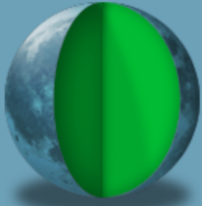
### Views

- Overview
- Hosts
  - All hosts
  - All hosts (Mini)
  - All hosts (tiled)
  - Favorite hosts
  - Host search
- Host Groups
- Services
- Service Groups
- Metrics
- Business Intelligence
- Problems
- Event Console
- Inventory
- Other

### WATO · Configuration

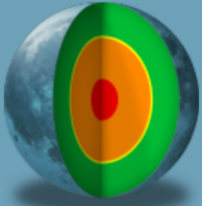
- Main Menu
- Monitoring Agents
- Hosts
- Host Tags
- Global Settings
- Host & Service Parameters
- Manual Checks
- Check Plugins

### Host Statistics



Up	120
Down	0
Unreachable	0
In Downtime	0
<b>Total</b>	<b>120</b>

### Service Statistics



OK	1681
In Downtime	0
On Down host	0
Warning	19
Unknown	564
Critical	16
<b>Total</b>	<b>2280</b>

### Host Problems (unhandled)

state	Host	Icons	Age	Status detail

### Service Problems (unhandled)

State	Host	Service	Icons	Status detail	Age	Che
CRIT	random_1080209265	Snarks_011	📌	CRIT - Bad luck, everything is broken	3 min	14
CRIT	random_3567435072	Snarks_022	📌	CRIT - Bad luck, everything is broken	2 min	42
CRIT	random_9129797408	Snarks_022	📌	CRIT - Bad luck, everything is broken	2 min	36
CRIT	random_2112654501	Gnogomatic_Turblor	📌	CRIT - Bad luck, everything is broken	2 min	18
CRIT	random_3368259521	Fnorz_Utilization	📌	CRIT - Bad luck, everything is broken	74 sec	13
CRIT	random_6212692846	Gnogomatic_Garglebox	📌	CRIT - Bad luck, everything is broken	69 sec	9
CRIT	random_9992764278	Snarks_022	📌	CRIT - Bad luck, everything is broken	65 sec	5

### Events of recent 4 hours

Time	Host	Service	Check output
🔊 2 sec	random_9690334660	Gnogomatic_Murbler	UNKNOWN - Something really weird happened
🔍 2 sec	random_9690334660	Gnogomatic_Murbler	UNKNOWN - Something really weird happened
🔊 4 sec	random_9507807127	Gnogomatic_Murbler	UNKNOWN - Something really weird happened
🔍 4 sec	random_9507807127	Gnogomatic_Murbler	UNKNOWN - Something really weird happened
🔊 4 sec	random_9507807127	Average_Grumblage	OK - Everying is OK now
🟢 4 sec	random_9507807127	Average_Grumblage	OK - Everying is OK now
🔊 5 sec	random_7768878942	Gnogomatic_Garglebox	CRIT - Bad luck, everything is broken
🚨 5 sec	random_7768878942	Gnogomatic_Garglebox	CRIT - Bad luck, everything is broken
🔊 5 sec	random_7768878942	Average_Grumblage	OK - Everying is OK now
🟢 5 sec	random_7768878942	Average_Grumblage	OK - Everying is OK now
🔊 6 sec	random_7359214528	Gnarz_Usage	CRIT - Bad luck, everything is broken
🚨 6 sec	random_7359214528	Gnarz_Usage	CRIT - Bad luck, everything is broken
🔊 8 sec	random_8860991269	Snarks_022	WARN - The freibl might go slisk
⚠️ 8 sec	random_8860991269	Snarks_022	WARN - The freibl might go slisk



# Main dashboard

Monitor > Overview > Main dashboard

2.0

Dashboard Add Dashboards Display Help

checkmk



Monitor



Customize



Setup



Help



User



Sidebar

## Host statistics



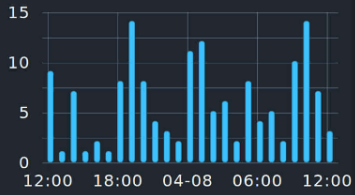
124 Up  
 0 In downtime  
 0 Unreachable  
 2 Down  
 126 Total

## Service statistics

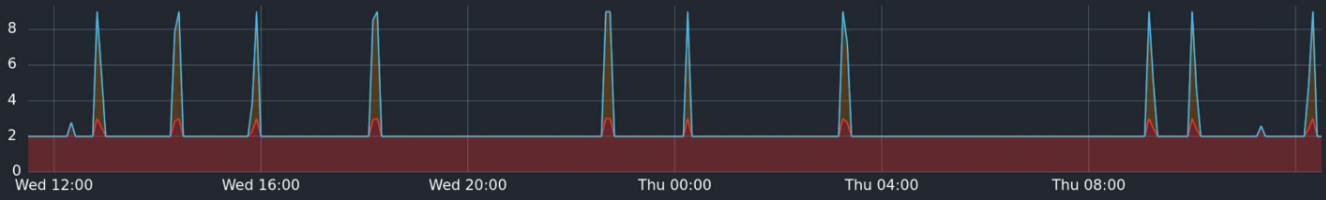


4245 OK  
 0 In downtime  
 181 On down host  
 89 Warning  
 1 Unknown  
 56 Critical  
 4572 Total

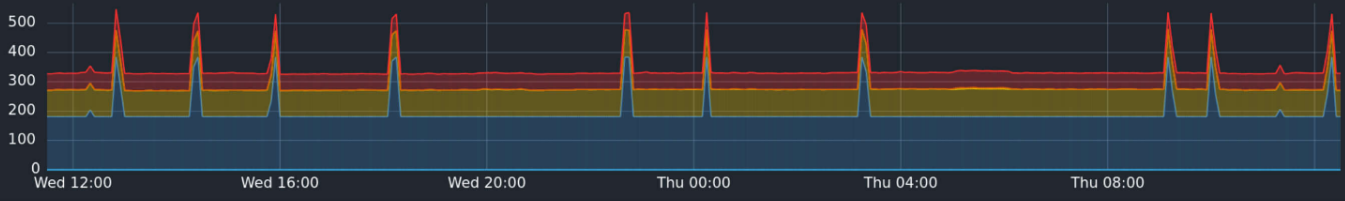
## Problem notifications



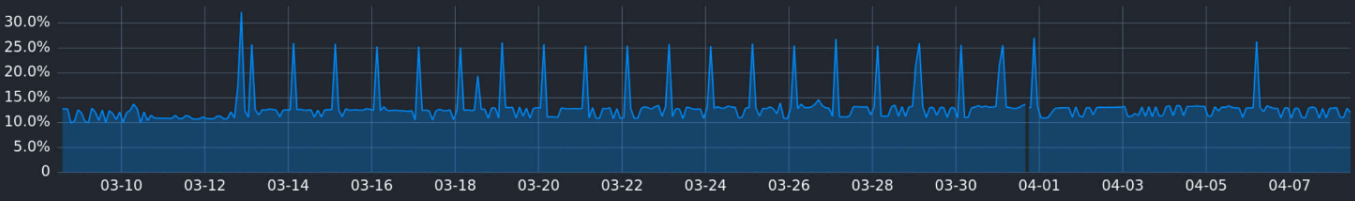
## Total host problems



## Total service problems



## Percentage of total service problems



## Host overview



## Top alerters (last 7 days)

Probleme	Host	Service
2425	jira.lan.tribe29.com	JVM JIRA Memory Pool PS Survivor Space
723	ap-ms-02	
722	ap-ms-04	

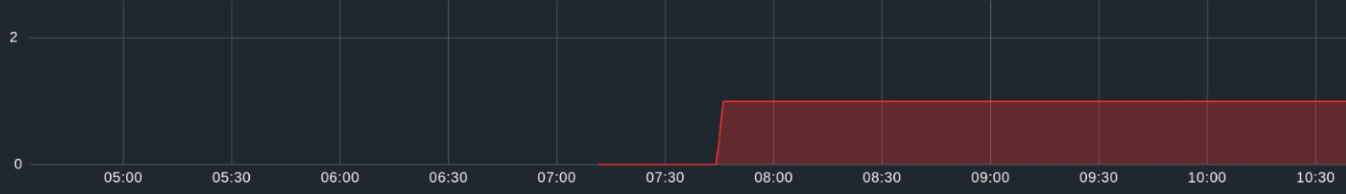


### Host statistics



120 Up  
0 In downtime  
0 Unreachable  
1 Down  
121 Total

### Total host problems



### Service statistics

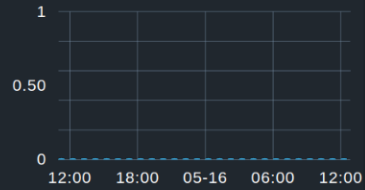


2488 OK  
0 In downtime  
2 On down host  
5 Warning  
7 Unknown  
14 Critical  
2516 Total

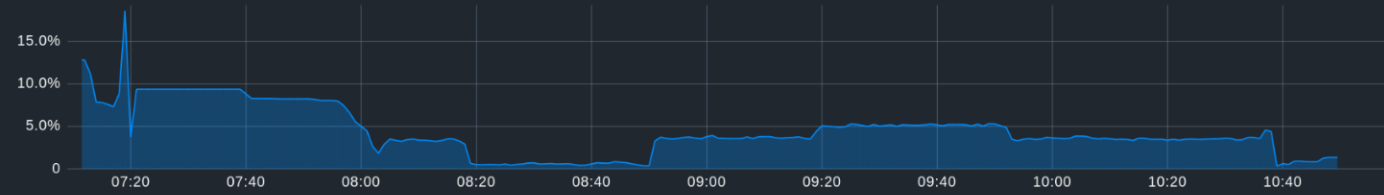
### Total service problems



### Problem notifications



### Percentage of total service problems



### Host overview



### Top alerters (last 7 days)

Problems	Host	Service
146	random_6798445923	Check_MK
143	random_4887554759	Check_MK
140	random_2549068121	Check_MK
137	random_3577694006	Check_MK
136	random_8149521901	Check_MK

checkboxes

cons OK Wa Un Cr Pd S

## 2.2: More powerful label filters AND/OR/NOT operators



### Filter



Add filter

Apply filters

Reset

### Host labels



Label

is



cmk/os\_family:linux



or



cmk/check\_mk\_server:yes



and



(Select label)

and



is not



cmk/site:beta



not



(Select label)



Add to query



checkmk

# Windows, Linux, Solaris, AIX

Setup > Agents > Windows, Linux, Solaris, AIX

Agents

Related

Display

Help

Filter



Bake and sign agents

Bake agents

Sign agents

Agent rules

## ▼ Sign agents

Key to sign with ..... test ▼

Key passphrase .....

**Bake and sign**

### Fixing annoyances:

Green “Bake and sign agents”-button



Default configuration



MSI

IBM

DEB

TCZ

PKG

TCZ

x

Linux

Linux

Solaris

Solaris



And there is still much to do ...

# The Checkmk UX strategy



**Consistency**

# The Checkmk UX strategy



**Consistency**



**Efficiency**

# The Checkmk UX strategy



**Consistency**



**Efficiency**



**Error  
prevention &  
recovery**



# The Checkmk UX strategy



**Consistency**



**Efficiency**



**Error  
prevention &  
recovery**



**Accessibility**



# New in 2.3



## The “Acknowledge problems”-dialog

Before: “Sticky” must be looked up in the docs

**Acknowledge problems**

Comment (required)

sticky  send notification  persistent comment

Expire acknowledgement after  days  hours  mins

**Before**

## The “Acknowledge problems”-dialog



Before: “Sticky” must be looked up in the docs

**Acknowledge problems**

Comment (required)

sticky  send notification  persistent comment

Expire acknowledgement after  days  hours  mins

Before

Now: Clear description and improved usability



Now

## Acknowledge problems

Comment **(required)**

### Options [\(Edit defaults\)](#)

- Expire on   [UTC+02:00] Server time (currently: 05/27/2024 12:12)
- Ignore status changes until services/hosts are OK/UP again (sticky)  
**Example:** Service was WARN and goes CRIT - acknowledgment doesn't expire.
- Keep comment after acknowledgment expires (persistent comment)
- Notify affected users if [notification rules](#) are in place (send notifications)

Acknowledge problems

Cancel

Now: Clear description and improved usability



Now

## Acknowledge problems

Comment **(required)**

### Options [\(Edit defaults\)](#)

Expire on   [UTC+02:00] Server time (currently: 05/27/2024 12:12)

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**Example:** Service was WARN and goes CRIT - acknowledgment doesn't expire.

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Now

## Acknowledge problems

Comment **(required)**

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**Example:** Service was WARN and goes CRIT - acknowledgment doesn't expire.
- Keep comment after acknowledgment expires (persistent comment)
- Notify affected users if notification rules are in place (send notifications)

Acknowledge problems

Cancel



# HTML5 Date-Picker



Now

## Acknowledge problems

Comment (required)

### Options [\(Edit defaults\)](#)

Expire on

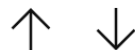
Ignore status changes until service is resolved  
Example: Service was WARN and then OK

Keep comment after acknowledged

Notify affected users if [notification](#) is sent

Acknowledge problems

May 2024 ▾



S	M	T	W	T	F	S
28	29	30	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1
2	3	4	5	6	7	8

Clear

Today

Service time (currently: 05/27/2024 12:12)

Service doesn't expire.

(ns)

5 rows



Now

## Acknowledge problems

Comment (required)

### Options [\(Edit defaults\)](#)

Expire on

Ignore status changes until services/hosts are OK  
*Example: Service was WARN and goes CRIT - ack*

Keep comment after acknowledgment expires (per

Notify affected users if [notification rules](#) are in place

**Acknowledge problems**

Cancel

01	12	PM
02	13	AM
03	14	
04	15	
05	16	
06	17	
07	18	

Currently: 05/27/2024 12:12)

Now: Clear description and improved usability



Now

## Acknowledge problems

Comment **(required)**

### Options [\(Edit defaults\)](#)

- Expire on   [UTC+02:00] Server time (currently: 05/27/2024 12:12)
- Ignore status changes until services/hosts are OK/UP again (sticky)  
**Example:** Service was WARN and goes CRIT - acknowledgment doesn't expire.
- Keep comment after acknowledgment expires (persistent comment)
- Notify affected users if [notification rules](#) are in place (send notifications)

Acknowledge problems

Cancel

5 rows

Now: Clear description and improved usability



Now

## Acknowledge problems

Comment **(required)**

### Options [\(Edit defaults\)](#)

Expire on

Ignore status changes until services/hosts are OK/UP again (sticky)  
**Example:** Service was WARN and goes CRIT - acknowledgment doesn't expire.

Keep comment after acknowledgment expires (persistent comment)

Notify affected users if [notification rules](#) are in place (send notifications)

**Acknowledge problems**

**Cancel**

5 rows

Now: Clear description and improved usability



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**Acknowledge problems**

**Cancel**

5 rows



Now

## Acknowledge problems

Comment (required)

### Options [\(Edit defaults\)](#)

Expire on   [UTC+02:00] Server time (currently: 05/27/2024 12:12)

Ignore status changes until services/hosts are OK/UP again (sticky)

Example: Service was WARN and goes CRIT - a

Keep comment after acknowledgment expires (p

Notify affected users if [notification rules](#) are in pl

Acknowledge problems

Cancel



Commands	Hosts	Export	Dis
On selected objects <span>⋮</span>			
Acknowledge problems			
Remove acknowledgments			



# The “Schedule downtimes”-dialog

Before

**Schedule downtimes**

Comment (required)

**From now for** 60 minutes

Year Month Day Hour Minute Sec. to Year Month Day Hour Minute Sec.  
 2024 5 24 15 1 33 to 2024 5 24 17 1 33

flexible with max. duration 2 hours 0 mins

Also set downtime on child hosts  Do this recursively

Repeat this downtime on a regular basis every week (only works with the microcore)





# The “Schedule downtimes”-dialog

Before

## Schedule downtimes

Comment (required)

**From now for**

60 minutes

2 hours

Today

This week

This month

This year

-

Remove all

Custom time range

Year Month Day Hour Minute Sec. to Year Month Day Hour Minute Sec.  
2024 5 24 15 1 33 to 2024 5 24 17 1 33

flexible with max. duration 2 hours 0 mins

Also set downtime on child hosts  Do this recursively

Repeat this downtime on a regular basis every week (only works with the microcore)



# The “Schedule downtimes”-dialog

## Schedule downtimes

Before

Comment (required)

From now for

60 minutes

2 hours

Today

This week

This month

This year

Remove all

Custom time range

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2024 5 24 15 1 33 to 2024 5 24 17 1 33

flexible with max. duration 2 hours 0 mins

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Repeat this downtime on a regular basis every week (only works with the microcore)

# The “Schedule downtimes”-dialog

## Schedule downtimes

**Before**Comment (required) **From now for**

60 minutes

2 hours

Today

This week

This month

This year

- Remove all

**Custom time range**

Year	Month	Day	Hour	Minute	Sec.	to	Year	Month	Day	Hour	Minute	Sec.
2024	5	24	15	1	33		2024	5	24	17	1	33

 flexible with max. duration 2 hours 0 mins Also set downtime on child hosts  Do this recursively Repeat this downtime on a regular basis every week (only works with the microcore)

# The “Schedule downtimes”-dialog

**Schedule downtimes** Before

Comment (required)

**From now for**  minutes

-

Year Month Day Hour Minute Sec. to Year Month Day Hour Minute Sec.

2024	5	24	15	1	33	to	2024	5	24	17	1	33
------	---	----	----	---	----	----	------	---	----	----	---	----

flexible with max. duration  hours  mins

Also set downtime on child hosts  Do this recursively

Repeat this downtime on a regular basis every  (only works with the microcore)

Now

## Schedule downtimes

Comment **(required)**

What is the occasion?

### Date and time

Duration

2 hours

Today

This week

This month

This year

[\(Edit presets\)](#)

Start

05/24/2024



02:56 PM



[UTC+02:00] Server time (currently: 05/24/2024 14:56)

End

12/31/2024



11:00 PM



[UTC+02:00] Server time

Repeat

never

(only works with the Micro Core)

> Advanced options

Schedule downtime on host

Cancel

Intuitively schedule downtimes  
with straight-forward actions



Now

## Schedule downtimes

Comment **(required)**

What is the occasion?

### Date and time

Duration

**2 hours**

Today

This week

This month

**This year**

[\(Edit presets\)](#)

Start

05/24/2024



02:56 PM



[UTC+02:00] Server time (currently: 05/24/2024 14:56)

End

12/31/2024



11:00 PM



[UTC+02:00] Server time

Repeat

never ▾

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Comment (required)

What is the occasion?

### Date and time

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2 hours

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([Edit presets](#)).

Start

05/24/2024



02:56 PM



[UTC+02:00] Server time (currently: 05/24/2024 14:56)

End

12/31/2024



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[UTC+02:00] Server time

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Now

## Schedule downtimes

Comment **(required)**

What is the occasion?

### Date and time

Duration

2 hours

Today

This week

This month

This year

[\(Edit presets\)](#)

Start

05/24/2024



02:56 PM



[UTC+02:00] Server time (currently: 05/24/2024 14:56)

End

12/31/2024



11:00 PM



[UTC+02:00] Server time

Repeat

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Intuitively schedule downtimes  
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Now

## Schedule downtimes

Comment **(required)**

What is the occasion?

### Date and time

Duration

2 hours

Today

This week

This month

This year

[\(Edit presets\)](#)

Start

05/24/2024



02:56 PM



[UTC+02:00] Server time (currently: 05/24/2024 14:56)

End

12/31/2024



11:00 PM



[UTC+02:00] Server time

Repeat

never

(only works with the Micro Core)

> Advanced options

Schedule downtime on host

Cancel

Intuitively schedule downtimes  
with straight-forward actions





# New: “Advanced options”

## Schedule downtimes

### ✓ **Advanced options**

- Only for hosts: Set child hosts in downtime
- Only start downtime if host/service goes DOWN/UNREACH during the defined start and end time (flexible)

**Schedule downtime on host**

**Cancel**



# New: “Advanced options”

## Schedule downtimes

### ✓ Advanced options

- Only for hosts: Set child hosts in downtime
- Only start downtime if host/service goes DOWN/UNREACH during the defined start and end time (flexible)

Max. duration after downtime starts:  hours  mins

**Warning:** Downtime can extend beyond the previously defined end date and time

Schedule downtime on host

Cancel



# Reworked commands

More consistency and clear actions

## Host/service commands

- ◆ Enable / Disable notifications
- ◆ Add comment / Delete comment
- ◆ Reschedule active checks
- ◆ Modified attributes
- ◆ Custom notifications
- ◆ Archive events of hosts
- ◆ Enable / Disable passive checks
- ◆ Enable / Disable active checks



# Reworked commands

More consistency and clear actions

## Host/service commands

- ◆ Enable / Disable notifications
- ◆ Add comment / Delete comment
- ◆ Reschedule active checks
- ◆ Modified attributes
- ◆ Custom notifications
- ◆ Archive events of hosts
- ◆ Enable / Disable passive checks
- ◆ Enable / Disable active checks

## Event console commands

- ◆ Update & acknowledge
- ◆ Change state
- ◆ Custom action
- ◆ Archive event



# Reworked commands

More consistency and clear actions

## Host/service commands

- ◆ Enable / Disable notifications
- ◆ Add comment / Delete comment
- ◆ Reschedule active checks
- ◆ Modified attributes
- ◆ Custom notifications
- ◆ Archive events of hosts
- ◆ Enable / Disable passive checks
- ◆ Enable / Disable active checks

## Event console commands

- ◆ Update & acknowledge
- ◆ Change state
- ◆ Custom action
- ◆ Archive event

## Other commands

- ◆ Delete crash reports
- ◆ Freeze Aggregation






# Activate Changes



# More transparency: Who is activating changes?



## ▼ Activation status

Actions	Site	Changes	Progress	Details
  	Local site mysite	2	Locked	Started at: 16:42:32. Finished at: 16:42:32. Activation blocked. myuser is currently activating changes on this site. Ongoing activation has been executed from Checkmk GUI.

# More transparency: Who is activating changes?



## ▼ Activation status

Actions Site Changes Progress Details



Local site mysite 2

Locked

Started at: 16:42:32. Finished at: 16:42:32.

Activation blocked.




**myuser** is currently activating changes on this site.

Ongoing activation has been executed from Checkmk GUI.

# More transparency: Who is activating changes?



## ▼ Activation status

Actions	Site	Changes	Progress	Details
  	Local site mysite	2	Locked	Started at: 16:42:32. Finished at: 16:42:32. Activation blocked. myuser is currently activating changes on this site. Ongoing activation has been executed from <span>Checkmk GUI.</span>



checkmk

# Activate pending changes

Setup > Activate pending changes

Changes Related Display Help

On all sites

Revert all pending changes

On selected sites

Activate on selected sites

Selection

Select all checkboxes

Monitor



Customize



Setup

is	Version	Changes	Progress	Details
me	2.2.0p9	1		Activation needed

## ▼ Pending changes (1)

Time	User	Change
2024-06-09 11:57:06	cmkadmin	Created new rule #1 in ruleset "3PAR Remote Copy" in folder "Main"



checkmk



Monitor



Customize



Setup

# Activate pending changes

Setup > Activate pending changes

Changes Related Display Help

On all sites

Revert all pending changes

On selected sites

Activate on selected sites

Selection

Select all checkboxes

is	Version	Changes	Progress	Details
me	2.2.0p9	1		Activation needed

## ▼ Pending changes (1)

Time	User	Change
2024-06-09 11:57:06	cmkadmin	Created new rule #1 in ruleset "3PAR Remote Copy" in folder "Main"



checkmk



Monitor



Customize



Setup

# Activate pending changes

Activate pending changes

Display

Help

Successfully discarded all pending changes.

More transparency:  
Know, what changes you revert!



checkmk



Monitor



Customize



Setup


## Revert changes

Setup > Revert changes

1   
change

Related Display Help


### Revert changes?

**?** Info: This also includes any changes made since the last activation that did not require manual activation (marked with )

Revert changes

Cancel

### ▼ Revert changes

	Time	User	Change	Affected sites
	2024-05-27 16:45:59	cmkadmin	Created new notification rule	All sites
	2024-05-27 16:45:43	cmkadmin	Deleted host test	All sites

More transparency:  
Know, what changes you revert!



checkmk



Monitor



Customize



Setup


## Revert changes

Setup > Revert changes

1   
change

Related Display Help


### Revert changes?

Info: This also includes any changes made since the last activation that did not require manual activation (marked with )

Revert changes

Cancel

### ▼ Revert changes

	Time	User	Change	Affected sites
	2024-05-27 16:45:59	cmkadmin	Created new notification rule	All sites
	2024-05-27 16:45:43	cmkadmin	Deleted host test	All sites





# ... And regulate who can do it!

New permissions

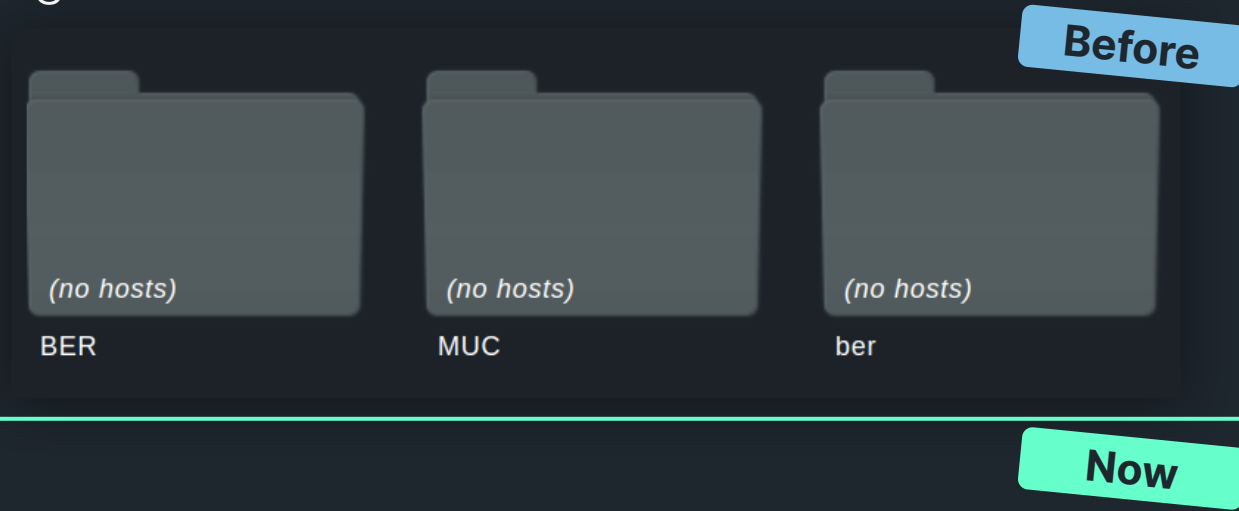
Permission	admin	agent_registration	guest	user
Discard changes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Discard foreign changes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



# Quality of life improvements

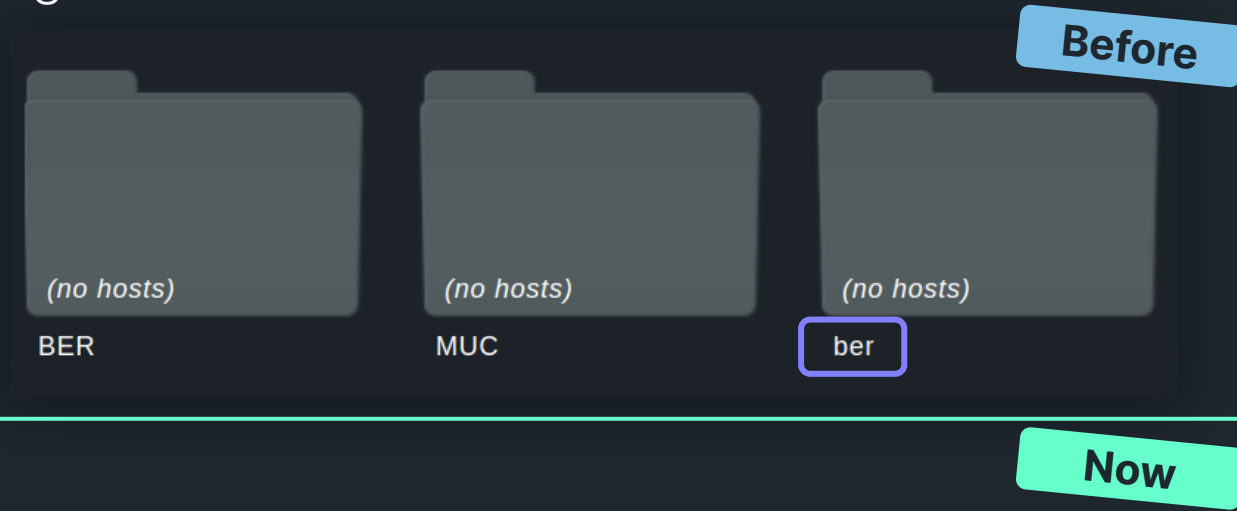
# Everything in order!

Natural sorting of hosts and folders



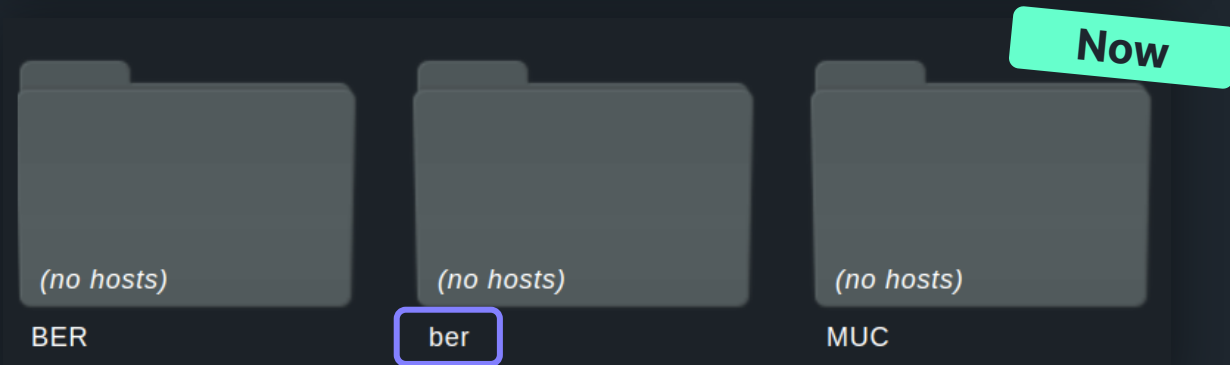
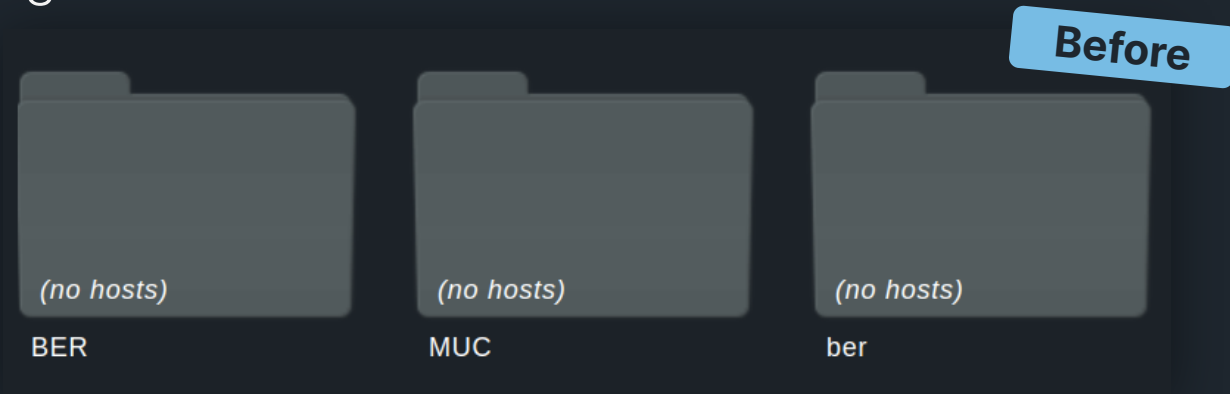
# Everything in order!

Natural sorting of hosts and folders



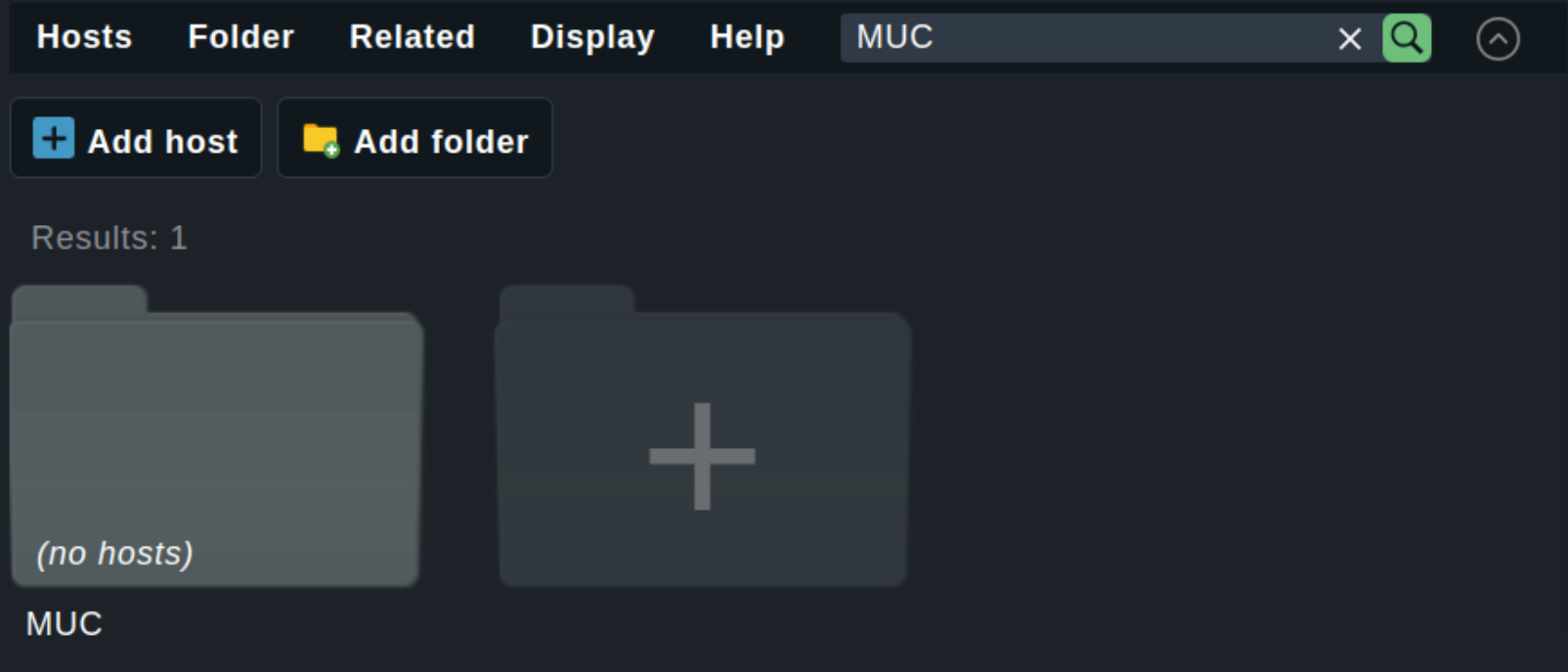
# Everything in order!

Natural sorting of hosts and folders



# Find, what you are looking for

Folders included when filtering in host setup



Hosts Folder Related Display Help MUC X 🔍 ⬆

+ Add host 📁 Add folder

Results: 1

(no hosts)

MUC

# ... And actually find the Filter-search

## Redesign of Filter-search



Before

The screenshot shows the 'Main' page of the Checkmk interface. On the left is a sidebar with the Checkmk logo and a 'Monitor' section containing a bar chart. The main content area has a breadcrumb trail 'Setup > Hosts > Main'. Below this is a navigation bar with tabs for 'Hosts', 'Folder', 'Related', 'Display', and 'Help'. A search bar labeled 'Filter' is positioned to the right of these tabs, featuring a hamburger menu icon and an upward arrow icon. Below the navigation bar are two buttons: 'Add host' (with a blue plus icon) and 'Add folder' (with a yellow folder icon and a plus sign).

# ... And actually find the Filter-search

## Redesign of Filter-search



Before

checkmk

Monitor

Main  
Setup > Hosts > Main

Hosts Folder Related Display Help

Filter

+ Add host + Add folder

Now

checkmk

Monitor

Main  
Setup > Hosts > Main

Hosts Folder Related Display Help

Find on this page ...

+ Add host + Add folder



# Icons for rule matching



This rule **matches** and **defines**  
**one or more parameters.**



# Icons for rule matching



This rule **matches** and **defines**  
**one or more parameters.**



This rule matches.

# Icons for rule matching



This rule **matches** and **defines**  
**one or more parameters.**



This rule matches.

And: **Adds one or more**  
**parameter** that is not being  
defined by another **rule higher**  
**in the hierarchy.**

## slido



Which one indicates, that the rule matches and defines one or more parameters?

- ① Click Present with Slido or install our [Chrome extension](#) to activate this poll while presenting.



A

# New icons for rule matching

Less confusing and more accessible

**Before**

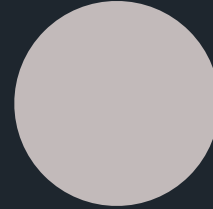


**Now**

# New icons for rule matching

Less confusing and more accessible

Before




























Now



# New icons for rule matching

In action


























▼ Rules in folder Main (4)							
Match	#	Actions					
	0						
	1						
	2						
	3						






# New icons for rule matching

In action

▼ Rules in folder Main (4)

Match	#	Actions
	0	    
	1	    
	2	    
	3	     

Act.	Last seen
	Never
	2024-05-24 15:16:28
	2024-05-24 15:16:59

# Is green effective or ineffective?

Reworked indication of ineffective rules



Before

▼ Rules in folder Main (2)

#	Actions	Conditions	Value	Description
0		Host name is <b>klapp-0370</b>	Upper levels for Committed memory:	Percentual levels in relation to RAM + Swap, 150.0%, 200.0%
1		Host name is <b>klapp-0370</b>	Upper levels for Committed memory:	Percentual levels in relation to RAM + Swap, 150.0%, 200.0%

# Is green effective or ineffective?

Reworked indication of ineffective rules



Before

▼ Rules in folder Main (2)					
#	Actions	Conditions	Value		Description
0		Host name is <b>klapp-0370</b>	Upper levels for Committed memory:		Percentual levels in relation to RAM + Swap, 150.0%, 200.0%
1		Host name is <b>klapp-0370</b>	Upper levels for Committed memory:		Percentual levels in relation to RAM + Swap, 150.0%, 200.0%

Now

▼ Rules in folder Main (2)					
Match search	#	Actions	Conditions	Value	Description
	0		Host name is <b>klapp-0370</b>	Upper levels for Committed memory:	Percentual levels in relation to RAM + Swap, 150.0%, 200.0%
	1		Host name is <b>klapp-0370</b>	Upper levels for Committed memory:	Percentual levels in relation to RAM + Swap, 150.0%, 200.0%

# Is green effective or ineffective?

Reworked indication of ineffective rules



Before

▼ Rules in folder Main (2)					
#	Actions	Conditions	Value		Description
0		Host name is <b>klapp-0370</b>	Upper levels for Committed memory:		Percentual levels in relation to RAM + Swap, 150.0%, 200.0%
1		Host name is <b>klapp-0370</b>	Upper levels for Committed memory:		Percentual levels in relation to RAM + Swap, 150.0%, 200.0%

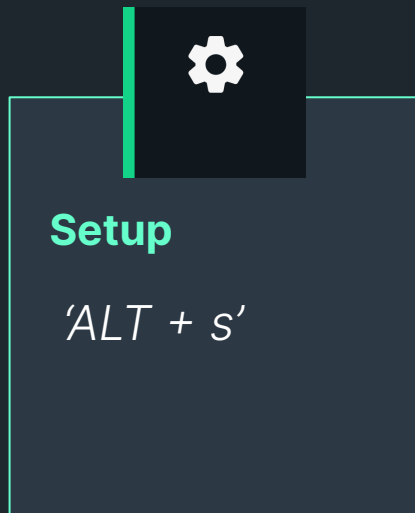
Now

▼ Rules in folder Main (2)					
Match search	#	Actions	Conditions	Value	Description
	0		Host name is <b>klapp-0370</b>	Upper levels for Committed memory:	Percentual levels in relation to RAM + Swap, 150.0%, 200.0%
	1		Host name is <b>klapp-0370</b>	Upper levels for Committed memory:	Percentual levels in relation to RAM + Swap, 150.0%, 200.0%



# Navigate with hotkeys!

Quickly access important menus with hotkeys



# Navigate with hotkeys!

Quickly access important menus with hotkeys



**Setup**

*'ALT + s'*



**Customize**

*'ALT + c'*

# Navigate with hotkeys!

Quickly access important menus with hotkeys



## Setup

*'ALT + s'*



## Customize

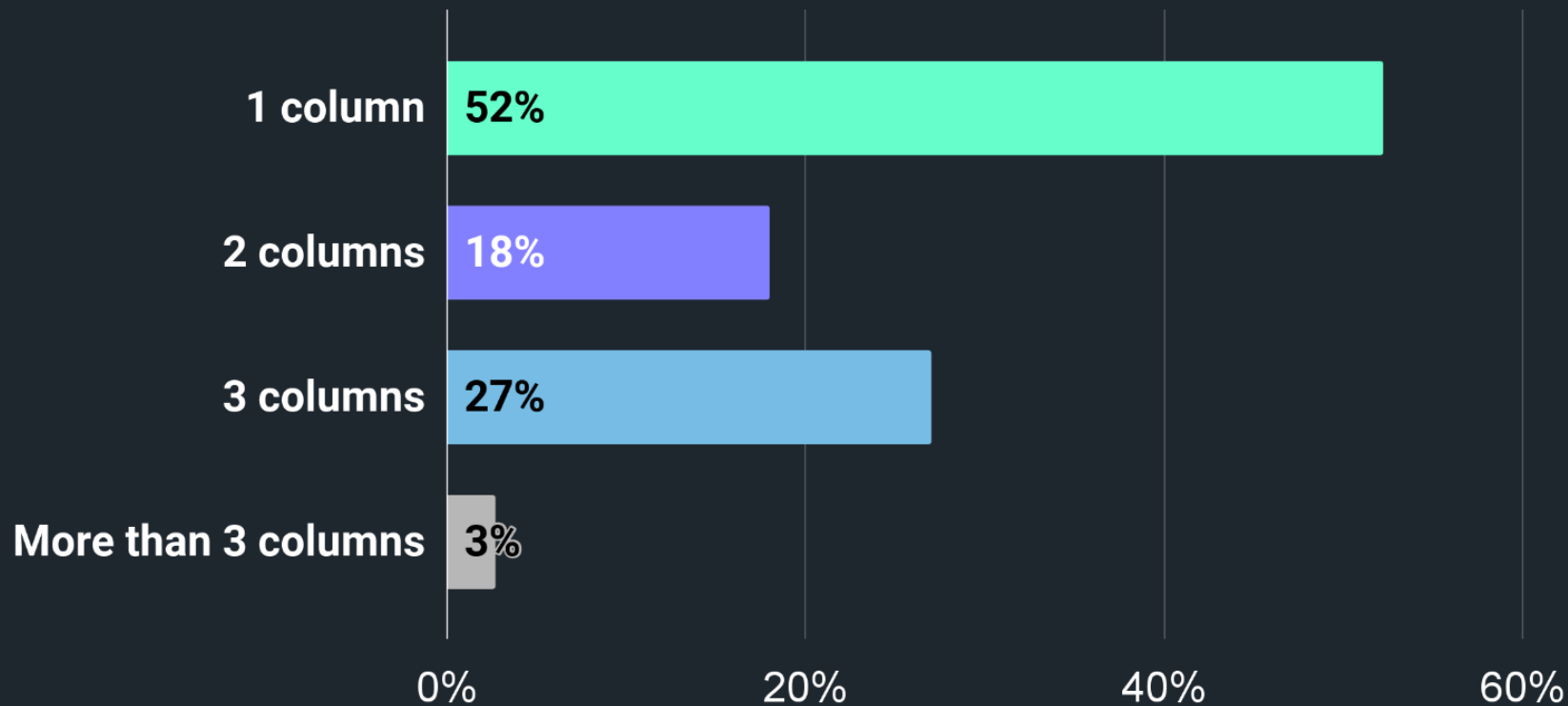
*'ALT + c'*



## Monitor

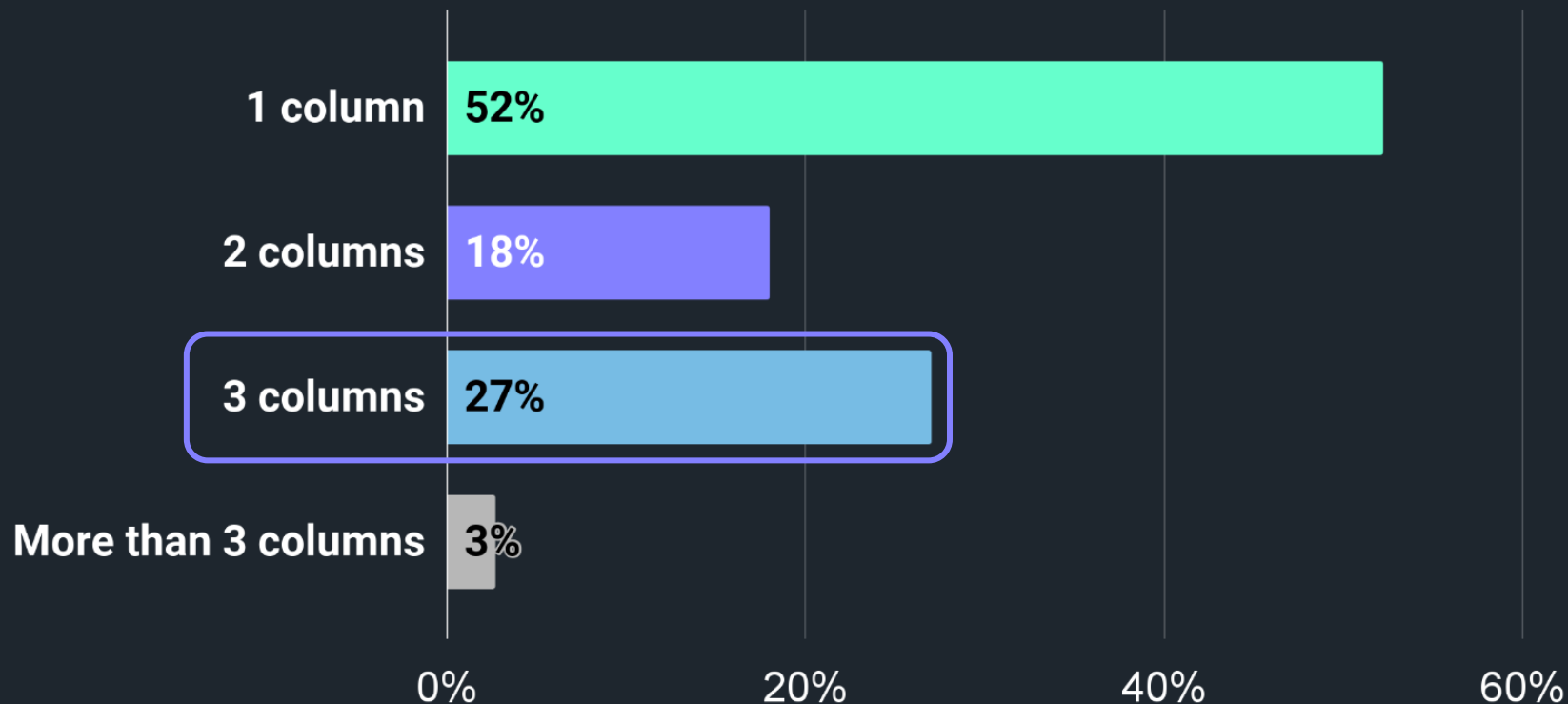
*'ALT + m'*

# Survey: Default Hosts/Services per row on Views





# Survey: Default Hosts/Services per row on Views



# New: One column by default



### Modify display options ✕

Entries per row ..... 1 ▾

Refresh interval ..... 30s ▾

Submit Reset

5 rows

### Local site luffy

State	Host	Icons	OK	Wa	Un	Cr	Pd
<b>DOWN</b>	AWS-01		0	0	0	<b>2</b>	0
<b>UP</b>	klapp-0370		<b>37</b>	<b>3</b>	0	<b>7</b>	0

# New: One column by default



## Modify display options



Entries per row ..... 1 ▾

Refresh interval ..... 30s ▾

Submit

Reset

5 rows

### Local site luffy

State	Host	Icons	OK	Wa	Un	Cr	Pd
<b>DOWN</b>	AWS-01		0	0	0	2	0
<b>UP</b>	klapp-0370		37	3	0	7	0

# Fixing minor annoyances



# Fixing minor annoyances



**Explicitly naming  
Regex in Filters**

# Fixing minor annoyances



**Explicitly naming  
Regex in Filters**

**Consistent  
Chevrons  
(Arrows)**

# Fixing minor annoyances



**Explicitly naming  
Regex in Filters**

**Consistent  
Chevrons  
(Arrows)**

**Hiding the  
“Customize”  
-menu if a user  
has no  
permission**

# Fixing minor annoyances



**Explicitly naming  
Regex in Filters**

**Consistent  
Chevrons  
(Arrows)**

**Hiding the  
“Customize”  
-menu if a user  
has no  
permission**

**Renaming of  
“builtin” to “built-  
in”**



# Fixing minor annoyances



**Explicitly naming  
Regex in Filters**

**Consistent  
Chevrons  
(Arrows)**

**Hiding the  
“Customize”  
-menu if a user  
has no  
permission**

**Renaming of  
“builtin” to “built-  
in”**

**Cleaning up of  
“Customize”  
-pages, e.g.,  
“Bookmark list”**



... and much more!



>100

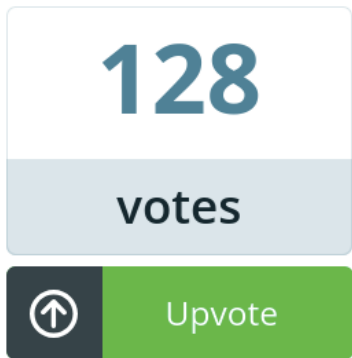
Minor & Major UX  
Improvements

# From user idea to functional feature

# It all started with an idea...



"Fake check results" should create hard state to test notifications

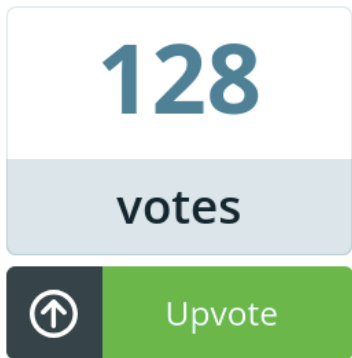


"Fake check results" should create hard state. This would allow to test the notifications

# It all started with an idea...



"Fake check results" should create hard state to test notifications



"Fake check results" should create hard state. This would allow to test the notifications



# How can you currently test notifications?



checkmk

# Services of Host

Monitor > Overview > All hosts > Host > Services of Host

Commands Host Services Add to Export Display Help

On selected objects

- Acknowledge problems
- Schedule downtimes
- Fake check results
- Reschedule active checks
- Notifications
- Active checks
- Passive checks
- Modified attributes
- Custom notification
- Add comment
- Archive events of hosts

Selection

Select all checkboxes

Schedule downtimes

Filter

Show checkboxes

ns	Summary	Age
	Version: 2.1.0p16, OS: linux, TLS is not activated on monitored host (see details), Agent plugins: 0, Local checks: 0	127 s
	Manually set to Critical by cmkadmin	183 s
	Manually set to Critical by cmkadmin	183 s
	Mount options exactly as expected	127 s
	Mount options exactly as expected	127 s
	Mount options exactly as expected	127 s







checkmk

# Services of Host

Monitor > Overview > All hosts > Host > Services of Host

Commands Host Services Add to Export Display Help

On selected objects

Acknowledge problems

Schedule downtimes

Fake check results

Reschedule active checks

Notifications

Active checks

Passive checks

Modified attributes

Custom notification

Add comment

Archive events of hosts

Selection

Select all checkboxes

Schedule downtimes

Filter

Show checkboxes

ns	Summary	Age
	Version: 2.1.0p16, OS: linux, TLS is not activated on monitored host (see details), Agent plugins: 0, Local checks: 0	127 s
	Manually set to Critical by cmkadmin	183 s
	Manually set to Critical by cmkadmin	183 s
	Mount options exactly as expected	127 s
	Mount options exactly as expected	127 s
	Mount options exactly as expected	127 s





checkmk



Monitor



Customize



Setup

# Services of Host

Monitor > Overview > All hosts > Host > Services of Host

Commands Host Services Add to Export Display Help



Acknowledge problems

Schedule downtimes

Filter

Show checkboxes

## Fake check results

Plugin output

Performance data

Result

OK

Warning

Critical

Unknown

State

Service

Icons

Summary

Age

OK

Check\_MK Agent



Version: 2.1.0p16, OS: linux, TLS is not activated on monitored host (see details), Agent plugins: 0, Local checks: 0

2023-09-22 15:28:22

OK

Check\_MK Discovery



Services: all up to date, Host labels: all up to date

6 h





checkmk



Monitor



Customize



Setup



# Services of Host

Monitor > Overview > All hosts > Host > Services of Host

Commands Host Services Add to Export Display Help

Acknowledge problems

Schedule downtimes

Filter

Show checkboxes

## Fake check results

Plugin output

Performance data

Result

OK

Warning

Critical

Unknown

State	Service	Icons	Summary	Age
OK	Check_MK Agent		Version: 2.1.0p16, OS: linux, TLS is not activated on monitored host (see details), Agent plugins: 0, Local checks: 0	2023-09-22 15:28:22
OK	Check_MK Discovery		Services: all up to date, Host labels all up to date	6 h



checkmk



Monitor



Customize



Setup



# Services of Host

Monitor > Overview > All hosts > Host > Services of Host

Commands Host Services Add to Export Display Help

Acknowledge problems

Schedule downtimes

Filter

Show checkboxes

State	Service	Icons	Summary	Age
CRIT	Check_MK		Manually set to Critical by cmkadmin	32.1 s
CRIT	Check_MK Agent		Manually set to Critical by cmkadmin	32.1 s
CRIT	Check_MK Discovery		Manually set to Critical by cmkadmin	32.1 s
CRIT	Check_MK HW/SW Inventory		Manually set to Critical by cmkadmin	32.1 s
CRIT	CPU load		Manually set to Critical by cmkadmin	32.1 s
CRIT	CPU utilization		Manually set to Critical by cmkadmin	32.1 s
CRIT	Disk IO SUMMARY		Manually set to Critical by cmkadmin	32.1 s

# Default: 1 Check Attempt to Hard State



Check Attempt

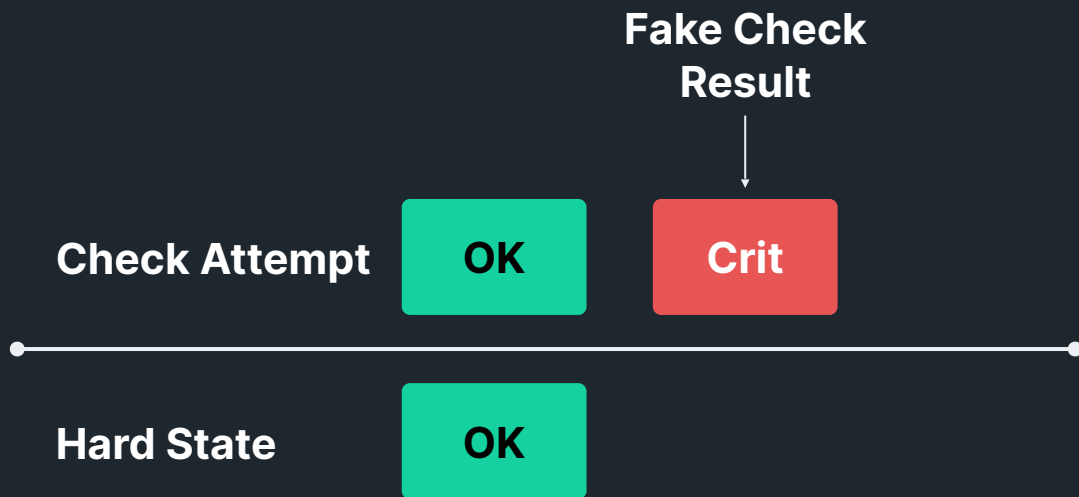
OK



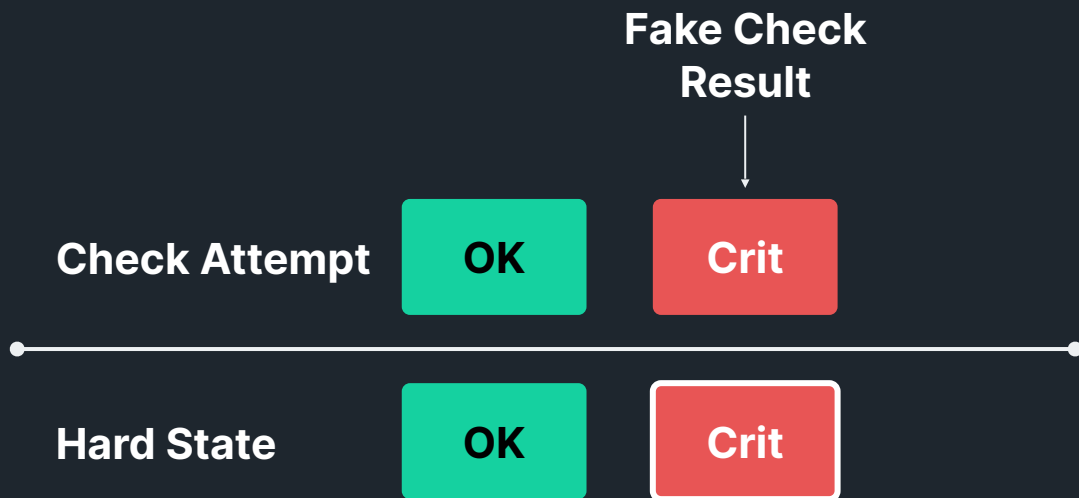
Hard State

OK

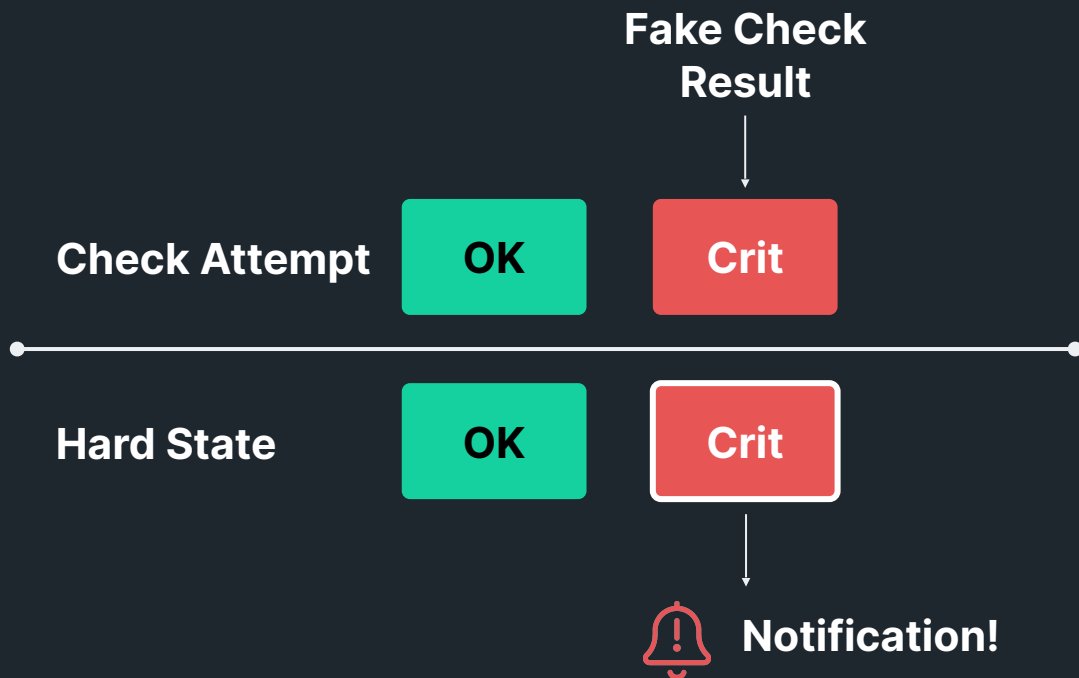
# Default: 1 Check Attempt to Hard State



# Default: 1 Check Attempt to Hard State



# Default: 1 Check Attempt to Hard State





# More likely: 3 Check Attempts to Hard State



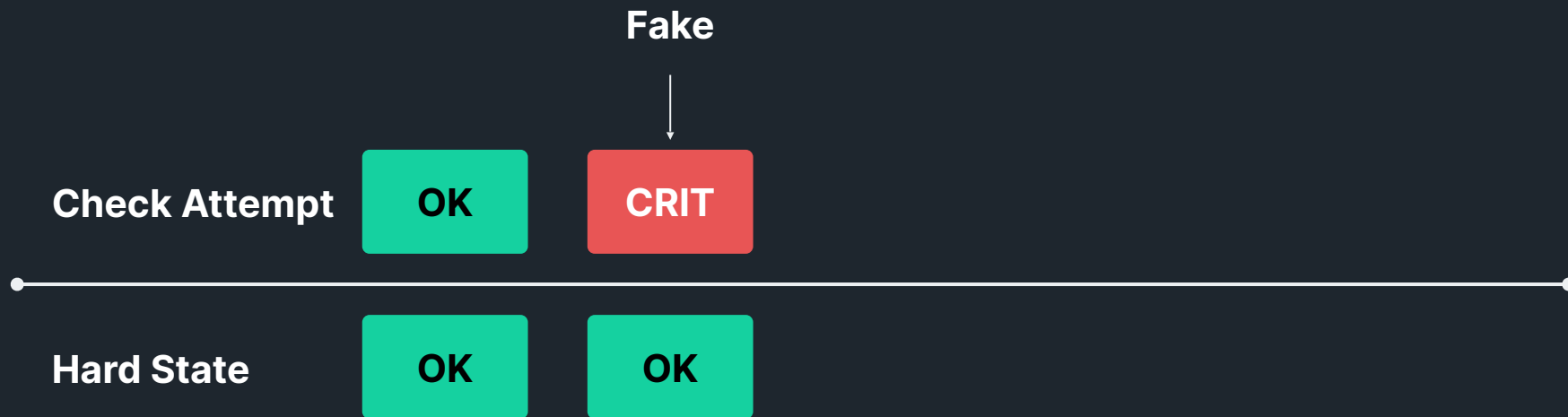
Check Attempt

OK

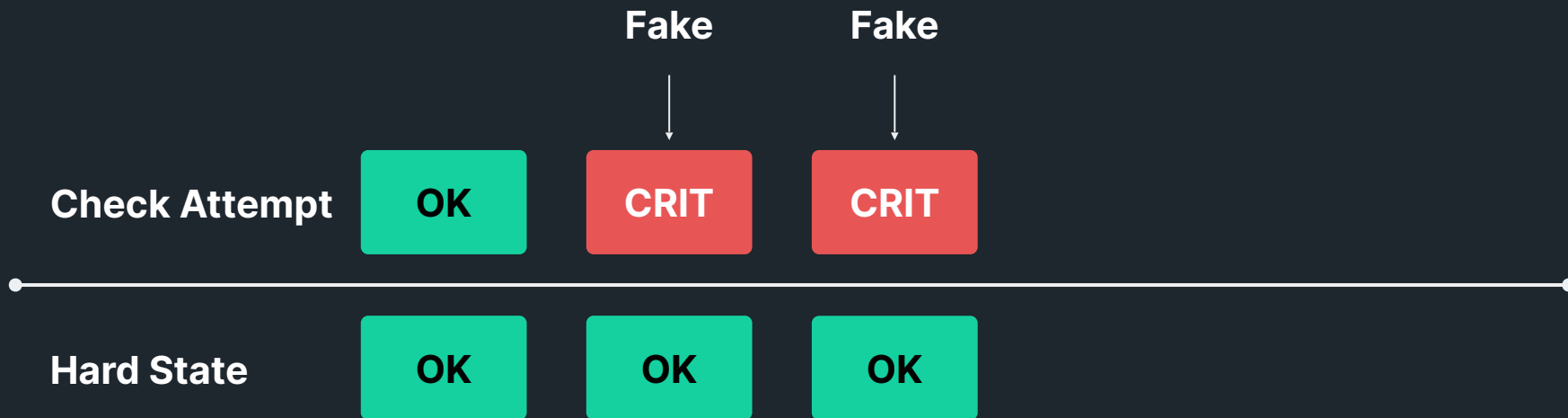
Hard State

OK

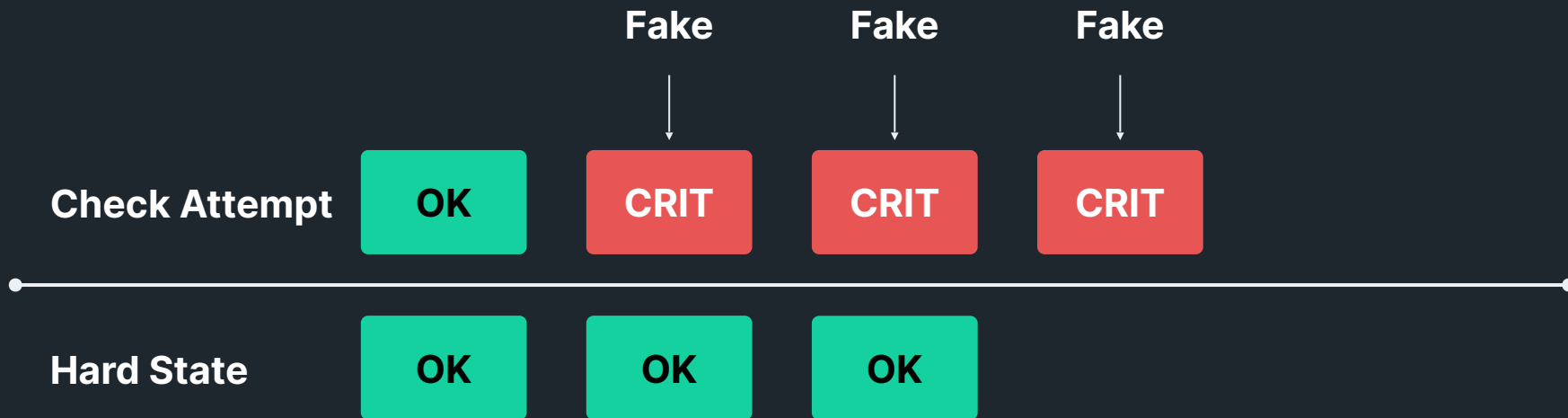
# More likely: 3 Check Attempts to Hard State



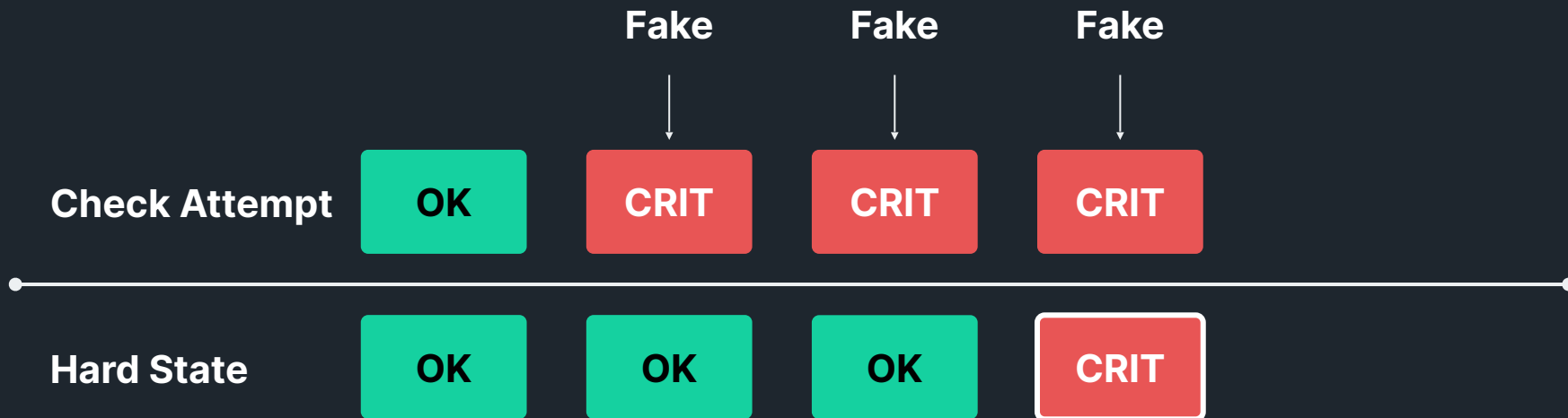
# More likely: 3 Check Attempts to Hard State



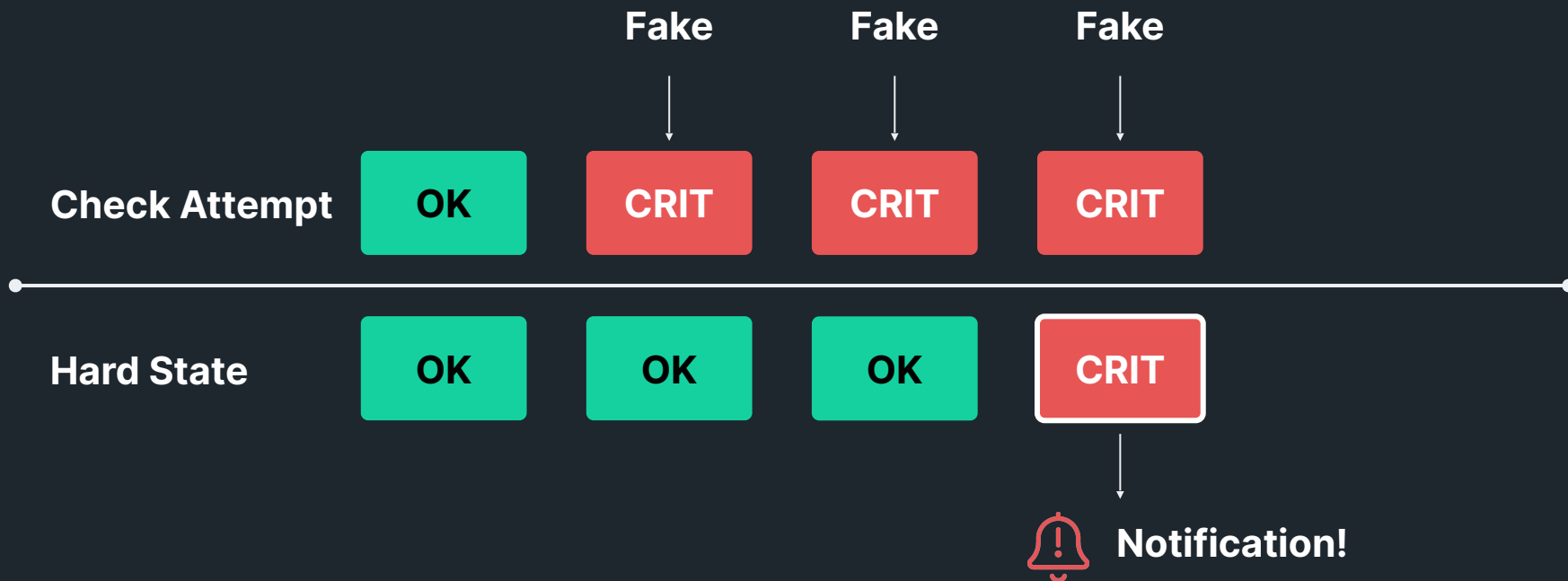
# More likely: 3 Check Attempts to Hard State



# More likely: 3 Check Attempts to Hard State



# More likely: 3 Check Attempts to Hard State





checkmk



Monitor



Customize



Setup

# Services of Host

Monitor > Overview > All hosts > Host > Services of Host

Commands

Host

Services

Add to

Export

Display

Help



Acknowledge problems



Schedule downtimes



Filter



Show checkboxes

## Fake check results

Plugin output

Performance data

Create hard state

Result

OK

Warning

Critical

Unknown

State

Service

Icons

Summary

Age

OK

Check\_MK Agent



Version: 2.1.0p16, OS: linux, TLS is not activated on monitored host (see details), Agent plugins: 0, Local checks: 0

2023-09-22 15:28:22



checkmk



Monitor



Customize



Setup

# Services of Host

Monitor > Overview > All hosts > Host > Services of Host

Commands

Host

Services

Add to

Export

Display

Help



Acknowledge problems



Schedule downtimes



Filter



Show checkboxes

## Fake check results

Plugin output

Performance data

Create hard state

Result

OK

Warning

Critical

Unknown

State

Service

Icons

Summary

Age

OK

Check\_MK Agent



Version: 2.1.0p16, OS: linux, TLS is not activated on monitored host (see details), Agent plugins: 0, Local checks: 0

2023-09-22 15:28:22





**... but why should you rely on “Fake  
check results” to test your notifications?**



checkmk



Monitor



Customize



Setup



Help

# Notification configuration

Setup > Events > Notification configuration

Notification rules

Display

Help

Find on this page ...



Add rule

Test notifications

Show analysis

Show bulks

## Global notification rules

#	Actions	Type	Plugin	Bulk	Description	Cont
0			mail		Notify all contacts of a host/service via HTML email	• all the obj
1			sms_api		Notify all contacts of a host/service via SMS	• all the obj



checkmk



Monitor



Customize



Setup



Help

# Notification configuration

Setup > Events > Notification configuration

Notification rules

Display

Help

Find on this page ...



+ Add rule



Test notifications













Show analysis



Show bulks

## Global notification rules

#	Actions	Type	Plugin	Bulk	Description	Cont
0	   		mail		Notify all contacts of a host/service via HTML email	<ul style="list-style-type: none"><li>all of the objects</li></ul>
1	   		sms_api		Notify all contacts of a host/service via SMS	<ul style="list-style-type: none"><li>all of the objects</li></ul>



checkmk



Monitor



Customize



Setup



Help

## Test notifications

Test notifications on

Host

Service

Host (required)

(Select hostname) ▼

Simulate

Status change ▼

From

UP ▼

to

DOWN ▼

Plugin output

This is a notification test

Send out notification according to notification rules (uncheck to avoid spam)

> **Advanced condition simulation**

**Test notifications**

**Cancel**



checkmk



Monitor



Customize



Setup



Help

## Test notifications

Test notifications on

Host

Service

Host **(required)**

(Select hostname) ▼

Simulate

Status change ▼

From UP ▼

to

DOWN ▼

Plugin output

This is a notification test

Send out notification according to notification rules (uncheck to avoid spam)

> **Advanced condition simulation**

**Test notifications**

**Cancel**



checkmk



Monitor



Customize



Setup



Help

## Test notifications

Test notifications on

Host

Service

Host (required)

(Select hostname) ▼

Service (required)

(Select service) ▼

Simulate

Status change ▼

From

OK ▼

to

WARN ▼

Plugin output

This is a notification test

Send out notification according to notification rules (uncheck to avoid spam)

> **Advanced condition simulation**



checkmk



Monitor



Customize



Setup



Help

## Test notifications

Test notifications on

Host

Service

Host *(required)*

AWS-01



Service *(required)*

Check\_MK Discovery



Simulate

Status change ▾

From

OK ▾

to

WARN ▾

Plugin output

This is a notification test

Send out notification according to notification rules (uncheck to avoid spam)

> **Advanced condition simulation**



checkmk



Monitor



Customize



Setup



Help

## Test notifications

Test notifications on

Host

Service

Host *(required)*

AWS-01



Service *(required)*

Check\_MK Discovery



Simulate

Status change ▾

From

OK ▾

to

WARN ▾

Plugin output

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Send out notification according to notification rules (uncheck to avoid spam)

> **Advanced condition simulation**





checkmk



Monitor



Customize



Setup



Help

## Test notifications

Test notifications on

Host

Service

Host *(required)*

AWS-01



Service *(required)*

Check\_MK Discovery



Simulate

Status change ▾

From

OK ▾

to

WARN ▾

Plugin output

This is a notification test

Send out notification according to notification rules (uncheck to avoid spam)

> **Advanced condition simulation**



checkmk



Monitor



Customize



Setup



Help

## Test notifications

Test notifications on

Host

Service

Host *(required)*

AWS-01



Service *(required)*

Check\_MK Discovery



Simulate

Status change

From OK

to

WARN

Plugin output

This is a notification test

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checkmk



Monitor



Customize



Setup



Help

## Test notifications

Test notifications on

Host

Service

Host (required)

AWS-01



Service (required)

Check\_MK Discovery



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Status change ▾

From

OK ▾

to

WARN ▾

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checkmk



Monitor



Customize



Setup



Help

## Test notifications

Test notifications on

Host

Service

Host *(required)*

AWS-01



Service *(required)*

Check\_MK Discovery



Simulate

Status change



From

OK



to

WARN



Plugin output

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checkmk



Monitor



Customize



Setup



Help

## Test notifications

Test notifications on

Host

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Host (required)

AWS-01



Service (required)

Check\_MK Discovery



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Status change ▾

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checkmk



Monitor



Customize



Setup



Help

## Test notifications

Test notifications on

Host

Service

Host *(required)*

AWS-01



Service *(required)*

Check\_MK Discovery



Simulate

Status change ▾

From OK ▾

to

WARN ▾

Plugin output

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Send out notification according to notification rules (uncheck to avoid spam)

> **Advanced condition simulation**



checkmk



Monitor



Customize



Setup



Help

## Test notifications

Test notifications on

Host

Service

Host (required)

AWS-01



Service (required)

Check\_MK Discovery



Simulation

### Advanced condition simulation

Event date and time

05/17/2024



08:38 AM



Notification number

1

Send out notification according to notification rules (uncheck to avoid spam)

> Advanced condition simulation





checkmk



Monitor



Customize



Setup



Help

Test notifications on

Host

Service

Host *(required)*

AWS-01



Service *(required)*

Check\_MK Discovery



Simulate

Status change

From

OK

to

WARN

Plugin output

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Test notifications

Cancel





checkmk



Monitor



Customize



Setup



Help

Test notifications on

Host

Service

Host (required)

AWS-01



Service (required)

Check\_MK Discovery



Simulate

Status change

From

OK

to

WARN

Plugin output

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> **Advanced condition simulation**

**Test notifications**

**Cancel**



checkmk



Monitor



Customize



Setup



Help

# Notification configuration

Setup > Events > Notification configuration

Notification rules

Display

Help

Find on this page ...



**Matching:** Each parameter is defined by the first matching rule where that param



## Analysis results

3 notification rules are matching

1 resulting notifications

Notifications have been sent. View the following tables for more details.

## Analysis: Test notifications

		Date and time	Type	From	To	Host	Service
		2024-05-27 20:43:00	PROBLEM	OK	WARN	AWS-01	Check_M

## Resulting notifications



checkmk



Monitor



Customize



Setup



Help

# Notification configuration

Setup > Events > Notification configuration

Notification rules

Display

Help

Find on this page ...



**Matching:** Each parameter is defined by the first matching rule where that param



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## Resulting notifications



checkmk



Monitor



Customize



Setup



Help

# Notification configuration

Setup > Events > Notification configuration

Notification rules

Display

Help

Find on this page ...



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### Resulting notifications



checkmk

# Notification configuration

Setup > Events > Notification configuration

Notification rules

Display

Help

Find on this page ...



Monitor



**Matching:** Each parameter is defined by the first matching rule where that param



Customize



Setup



Help



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		Date and time	Type	From	To	Host	Service
		2024-05-27 20:43:00	PROBLEM	OK	WARN	AWS-01	Check_M

## Resulting notifications



checkmk



Monitor



Customize



Setup



Help

# Notification configuration

Setup > Events > Notification configuration

Notification rules

Display

Help

Find on this page ...



**Matching:** Each parameter is defined by the first matching rule where that param





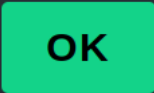

## Analysis results

3 notification rules are matching

1 resulting notifications

Notifications have been sent. View the following tables for more details.

## Analysis: Test notifications

	Date and time	Type	From	To	Host	Service
	 2024-05-27 20:43:00	PROBLEM			AWS-01	Check_M

## Resulting notifications



checkmk



Monitor



Customize



Setup



Help

## Analysis: Test notifications

Date and time	Type	From	To	Host
2024-05-27 20:43:00	PROBLEM			AWS-0

HOSTADDRESSES_4		HOSTADDRESSES_4
HOSTADDRESS_4	0.0.0.0	HOSTADDRESS_6
HOSTADDRESS_FAMILY	4	HOSTALIAS
HOSTCONTACTGROUPNAMES	all	HOSTFILENAME
HOSTGROUPNAMES	check_mk	HOSTNAME
HOSTSTATE	DOWN	HOSTSTATEID
HOSTTAGS	/wato/aws/ auto-piggyback ip-v4 ip-v4-only lan no-snmp prod site:mysite special-agents tcp	HOST_ADDRESSES
HOST_ADDRESSES_6		HOST_ADDRESS_4
HOST_ADDRESS_6		HOST_ADDRESS_F



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## Analysis: Test notifications

Date and time	Type	From	To	Host
2024-05-27 20:43:00	PROBLEM			AWS-0

HOSTADDRESSES_4		HOSTADDRESSES_4
HOSTADDRESS_4	0.0.0.0	HOSTADDRESS_6
HOSTADDRESS_FAMILY	4	HOSTALIAS
HOSTCONTACTGROUPNAMES	all	HOSTFILENAME
HOSTGROUPNAMES	check_mk	HOSTNAME
HOSTSTATE	DOWN	HOSTSTATEID
HOSTTAGS	/wato/aws/ auto-piggyback ip-v4 ip-v4-only lan no-snmp prod site:mysite special-agents tcp	HOST_ADDRESSES_6
HOST_ADDRESSES_6		HOST_ADDRESS_4
HOST_ADDRESS_6		HOST_ADDRESS_F





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2024-05-27 20:43:00

PROBLEM

OK

WARN

AWS-01

Check\_M

### Resulting notifications

Recipient	Plugin	Plugin parameters
test@test.com	HTML Email	graphs_per_notification, notifications_with_grap

### Global notification rules

#	Actions	Type	Plugin	Bulk	Description	Contact
0			mail		Notify all contacts of a host/service via HTML email	• email address test@
1			sms_api		Notify all contacts of a host/service via SMS	• users cmka
					Notify all contacts of a	• all co



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# What about “Fake Check Results”?



## Fake check results

 If you are looking for a way to test your notification settings, try '[Test notification](#)' in Setup > Notifications

Result  Up  Down

Plugin output

Performance data


**Fake check result**

**Cancel**

# What about “Fake Check Results”?



## Fake check results

 If you are looking for a way to test your notification settings, try '[Test notification](#)' in Setup > Notifications

Result  Up  Down

Plugin output

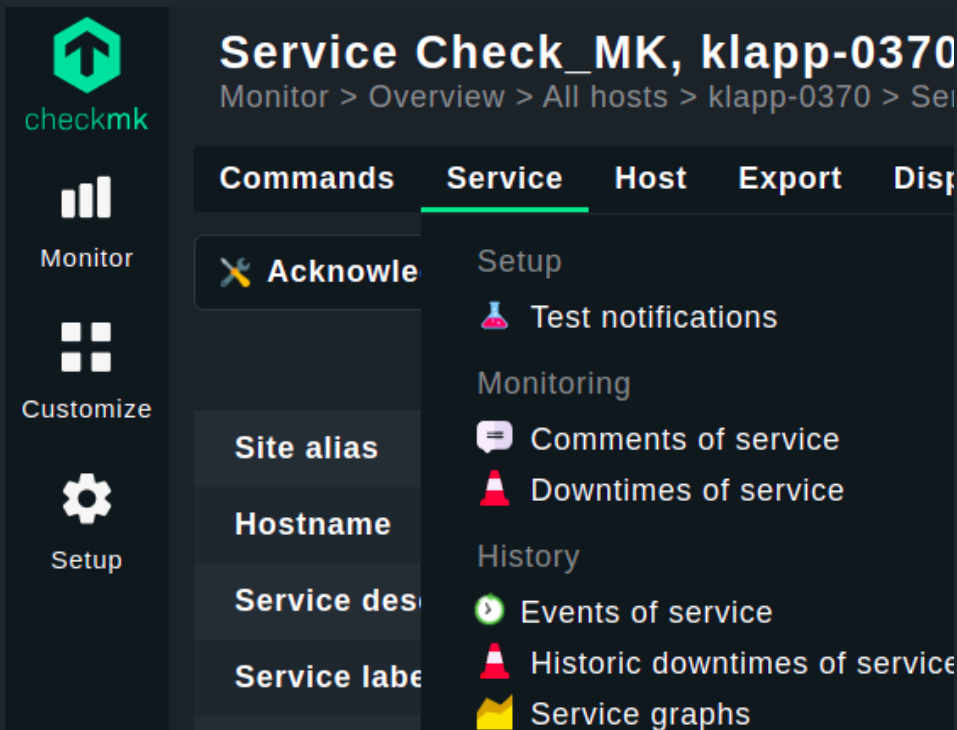
Performance data

**Fake check result**

**Cancel**

# Shortcuts!

Easily access “Test notifications”



The screenshot shows the Checkmk web interface for a service named 'Service Check\_MK, klapp-0370'. The breadcrumb trail is 'Monitor > Overview > All hosts > klapp-0370 > Service'. The 'Service' tab is selected, and a dropdown menu is open, showing options like 'Acknowledge', 'Setup', 'Test notifications', 'Monitoring', 'Comments of service', 'Downtimes of service', 'History', 'Events of service', 'Historic downtimes of service', and 'Service graphs'. The 'Test notifications' option is highlighted.

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Service Check\_MK, klapp-0370

Monitor > Overview > All hosts > klapp-0370 > Service

Commands Service Host Export Display

Acknowledge

Setup

Test notifications

Monitoring

Comments of service

Downtimes of service

History

Events of service

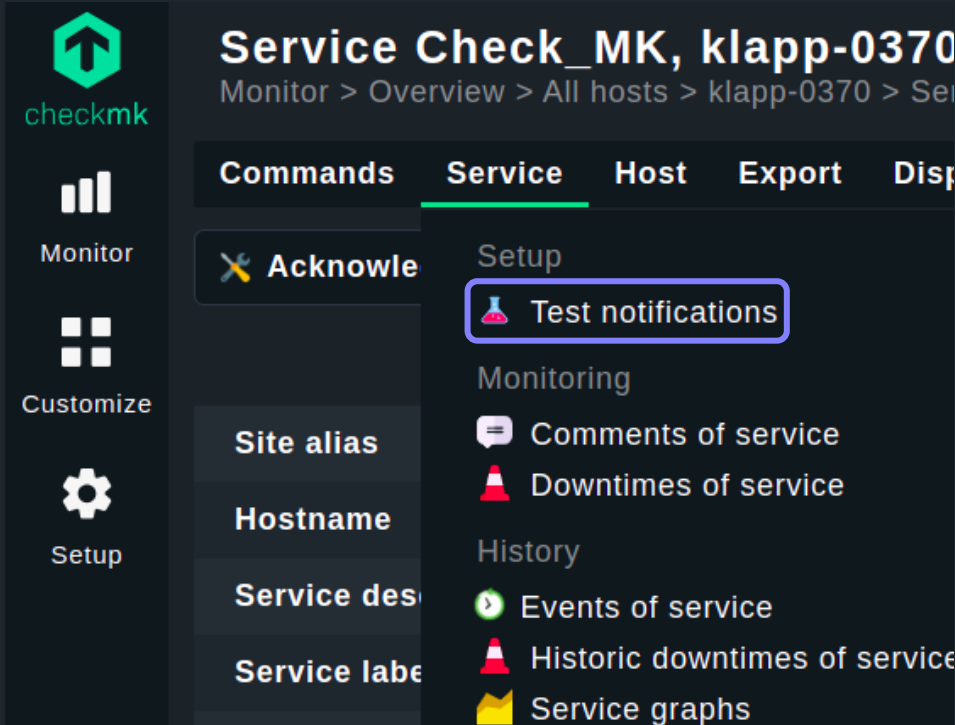
Historic downtimes of service

Service graphs



# Shortcuts!

Easily access “Test notifications”



The screenshot shows the Checkmk web interface for a service named 'Service Check\_MK, klapp-0370'. The breadcrumb trail is 'Monitor > Overview > All hosts > klapp-0370 > Service'. The 'Service' tab is selected in the top navigation bar. A dropdown menu is open, showing options like 'Acknowledge', 'Setup', 'Monitoring', and 'History'. The 'Test notifications' option under the 'Setup' section is highlighted with a red box. The left sidebar contains navigation icons for Monitor, Customize, and Setup.

# Shortcuts!

Easily access “Test notifications”



**Service Check\_MK, klapp-0370**  
Monitor > Overview > All hosts > klapp-0370 > Service

Commands **Service** Host Export Display

**Acknowledge**

Setup

- Test notifications**

Monitoring

- Comments of service
- Downtimes of service

History

- Events of service
- Historic downtimes of service
- Service graphs

**Properties of host klapp-0370**  
Setup > Hosts > Main > Langenau > Properties

Host **Display** Help

Save this host and go to

- Save & run service discovery
- Save & view folder
- Save & run connection tests

For this host

- Run service discovery
- Test connection
- Test notifications**
- Effective parameters
- Rules

# Shortcuts!

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For this host

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- Test notifications**
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- Rules

# Test notifications in a flexible and intuitive way

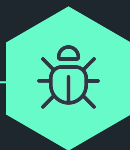


**Simulate  
specific  
scenarios**

# Test notifications in a flexible and intuitive way



**Simulate  
specific  
scenarios**

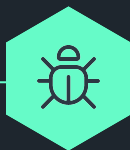


**Check, which  
rules have (or  
haven't!)  
triggered the  
notification**

# Test notifications in a flexible and intuitive way



**Simulate  
specific  
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**Check, which  
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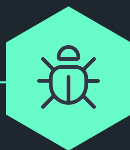


**Avoid  
spamming  
your colleagues**

# Test notifications in a flexible and intuitive way



**Simulate  
specific  
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haven't!)  
triggered the  
notification**



**Avoid  
spamming  
your colleagues**



**Convenient  
access from a  
variety of entry  
points**



# What's next?



# UX Projects in the making



**Notifications**

# UX Projects in the making



**Notifications**



**Setup made  
easy**

# UX Projects in the making



**Notifications**



**Setup made  
easy**



**No more  
“Show more”**

# UX Projects in the making



+ Many small projects



**Notifications**



**Setup made  
easy**



**No more  
"Show more"**

# Want to participate and give feedback?

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... or come visit us at our booth!

slido



## Audience Q&A Session

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# Checkmk #10

Conference