



## **More Than Just Aesthetics**

### Tackling the User Experience in Checkmk



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### A brief history of UX in Checkmk



#### Checkmk 1.6 (and before)

### Checkmk 2.0

Checkmk 2.2 (and onwards)

"All-in-one" developers: Product management, UX design, coding, consulting Complete redesign focusing on the general navigation, with a modern look and feel Reduce the daily pain with a data-informed UX process







#### Checkmk Conference

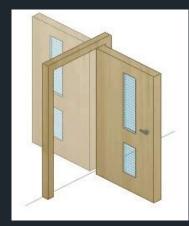
https://www.creativemirror.com/products/etched-and-sandblasted/architectural-sw ing-doors-and-walls.php

### What makes a door easy to use?





A "Push" / "Pull" sign



Opens both ways ("double action")



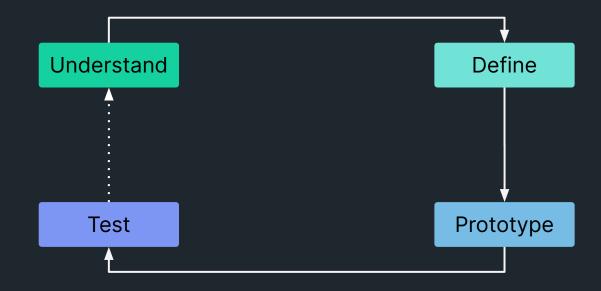
Clear handle design



Push/Pull: https://www.reddit.com/r/nosafetysmokingfirst/comments/hf26ik/how\_the\_hell\_do\_you\_open\_this\_door/ Double action door: https://constructionmentor.net/doors-fundamentals/ Clear handle: http://blogs.evergreen.edu/brookewalsb/push-sign-on-a-pull-door/



### We have (basically) improved the user experience









### We want to improve any "door" that's confusing or difficult to use in Checkmk.



### The 3 layers of UX improvements in Checkmk



#### **Complex workflows**

Dialogs

Simple elements, e.g. icon



### More intuitive interaction Do/Click the right things





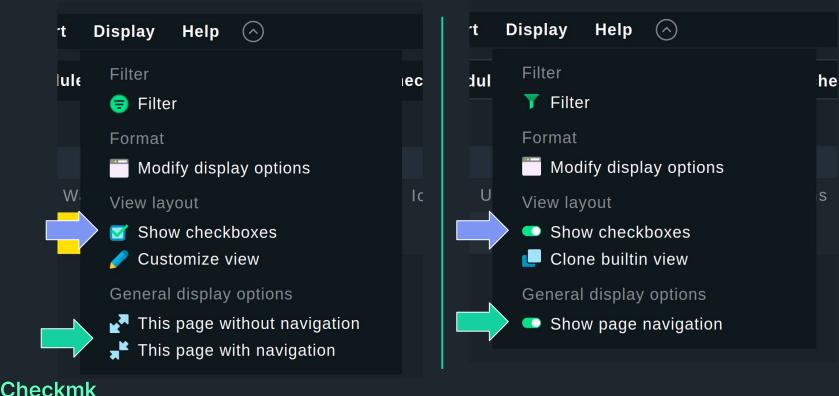






### Do/Click the right things

Conference

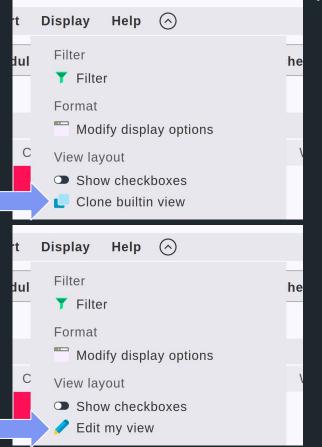




### More intuitive interaction Do/Click the right things

rt	Display Help 🔿	
lule	Filter	ec
	Format	
	Modify display options	
W	View layout	lo
	🗹 Show checkboxes	
	🥒 Customize view	
	General display options	
	🛃 This page without navigation	
	📲 This page with navigation	

#### Checkmk Conference





### Windows, Linux, Solaris, AIX

Setup > Agents > Windows, Linux, Solaris, AIX

	Agents	Related	Display	Help	Filter		Ŧ	$\bigcirc$	
Monitor	Reake	and sign a	gents	Bake aç	gents	<u>द</u> े Sign age	nts 🗮 Ag	ent rules	
Customize	▼ Sign	agents							
\$	Key to sig	gn with			test	•			
Setup	Key pass	phrase							
	Bake a	nd sign			_				
Agen	t bakery: '	"Bake and	sign agent	S"					
confir	mation bu	tton now ii	n green		Linux	Linux	Linux	Solaris	Solaris
	Default configura	tion			-	Q	•		0

### More intuitive interaction Do/Click the right things



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Parent scan Setup > Hosts > Main > Parent scan

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Help

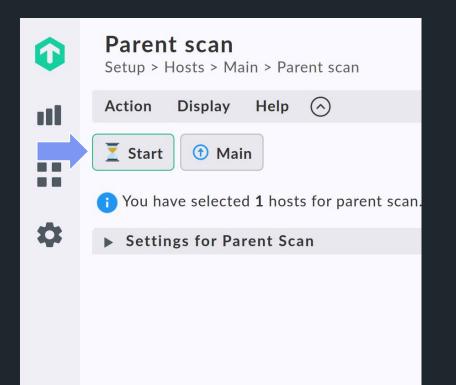
#### ① Main

Display

You have selected **1** hosts for parent scan

The parent scan will try to detect the last traceroute. If a gateway is found by tha that host will be used as the hosts parent. created if you have not disabled this featu

Settings for Parent Scan



### More intuitive interaction Simpler configuration



#### New connection

Setup > Hosts > Dynamic host management > New connection

#### Connection Properties



#### Add connection

Setup > Hosts > Dynamic host management > Add connection

#### Connection properties







### Simpler configuration

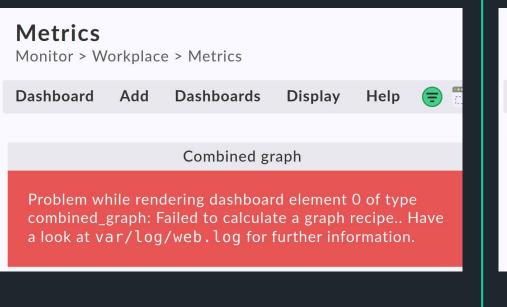


<b>Properties of host localhost</b> Setup > Hosts > Main > Properties of host localhost					
<ul> <li>Network address</li> </ul>		show more 🚥			
IP address family IPv4 address		IPv4 only (Default value) empty (Default value)			





Better error messages



<b>Metrics</b> Monitor > Or	ther > N	1etrics			
Dashboard	Add	Dashboards	Display	Help	<b>T</b>
Combined graph					

Sorry, you cannot create combined graphs for more than 200 objects. Please add more filters to match on less hosts/services.





Better error messages

AgentUpdate: ... Unexpected answer from Checkmk server: Missing json data. Maybe we are talking to an agent bakery from before Checkmk 2.0 ?

AgentUpdate: ... The deployment server provides an agent but that is not signed.



### **More intuitive interaction** Do/Click the right things



#### Hosts to be monitored

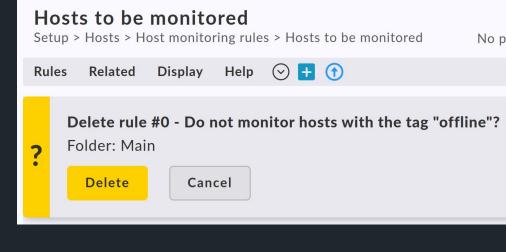
Setup > Hosts > Host monitoring rules > Hosts to be monitored

Related Rules Display Help 🕑 🕂 🔿

Delete rule #0 (ID: 10843c55-11ea-4eb2-bfbc-bce65co of folder 'Main'?



Matching: The first matching rule defines the parameter.





### Increasing productivity



Make things readable

i Use this condition to select hosts based on the configured host labels.

Add label condition

Rule only applies to hosts matching the label conditions.

Add label condition



### Increasing productivity



Make things readable

#### Host groups

Monitor > Overview > Host groups

Name			Dw							
check_mk	check_mk	1	1	0	0	38	1	3	0	0

Host gi Monitor > 0	r <b>oups</b> Overview > ł	lost g	roups							
Name	Alias	Up	Dw	Un	Pd	0	W	С	U	Ρ
check_mk	check_mk	3	1	0	0	273	8	14	0	0

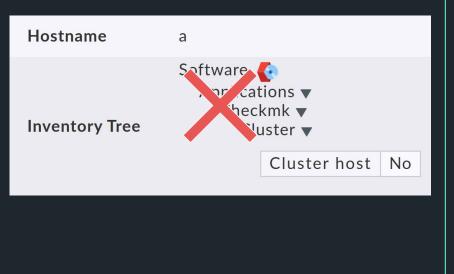


### Fewer errors and less frustration

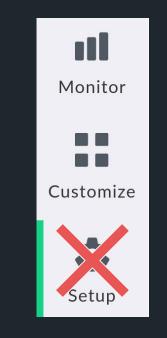
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Only show relevant information

#### Only show HW/SW inventory, if data available



#### Hide setup menu on remote sites when Setup is disabled

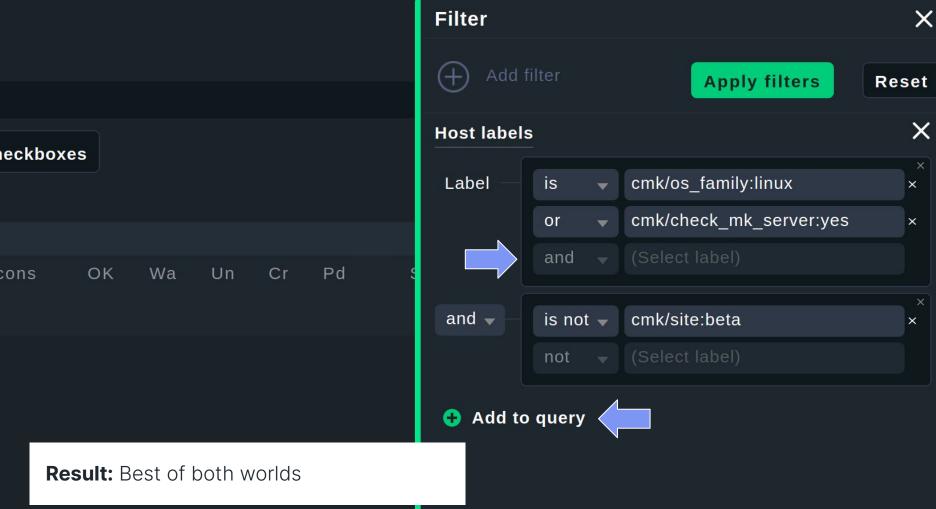




### Filter labels with the AND/OR/NOT operator

Filter		×	Filter				×
Add filter	Apply filters	Reset	⊕ A	dd filter		Apply filters	Reset
Host labels		×	Host la	oels			×
	ion:MUC × ion:BER ×	×	~ 	Or ~ Or ~	location: location: Add label	BER ×	×
	onment:test × /os_family:linux ×	×	Not ~	And ~ Or ~		ent:test × amily:linux ×	*
+ Add group			And ~		Add label		×

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### 'Acknowledge problem'-dialog

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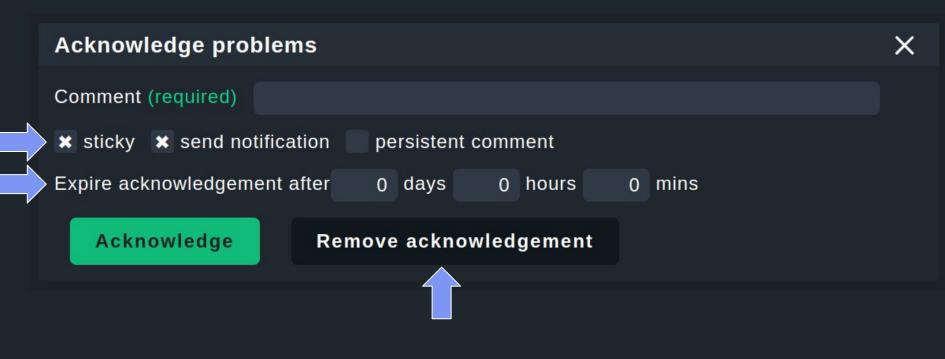
Anytime a new user acknowledges a problem, they need to google / check the documentation for the meaning of the "sticky" checkbox:

Acknowledge problems					
Comment (required)					
🗙 sticky 🗙 send notification 📄 persistent comment					
Expire acknowledgement after	0 days 0 hours	0 mins			
Acknowledge Rem	iove acknowledgement				



### Analysing current dialog







### **Understand - Define - Prototype - Test - Repeat**



61

Participants in Micro survey

### 13

Prototype tester 6 internal, 7 external 4

Iterations



### **First concept** Sketched wireframe



	Comment (required)	
All about renoval is next to each other	Remove when stakes changes to OK/UP~ Remove after Today ~ Keep comment when Addinowledgement is removed Acknowledge Cancel Remove Addroyledgment	Consistent language (remove") Makes clear what can huill happen -> no meed to look up Documentation
	Way out of the dialog	



#### Checkmk Conference

### **Iteration I** Sketched wireframe

		to global settings
	Acknowledge problem	¢ X
	Comment (required)	Expire after
inline help	Keep comment after expiration	12 hours Today
inline help	🛛 Expire, when service status changes 🗌 Expire after Today 🗸 Enterprise Teature	Custom
inline help -> can be over- written by rules	X Send notification	
	Acknowledge Cancel Expire all acknowledgements	



### **Clickable prototype** Iteration II - after internal feedback

#### Acknowledge problem

Comment (required) e.g. ticket ID, reason, attempt ...

#### Options 🎝

Stic	ky: Expire	only on	recovery
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Expire after 1 hour 🗸

Persistent: Keep comment after acknowledgement expires

Notify other users (as specified with <u>notification rules)</u>

Acknowledge problem

Cancel

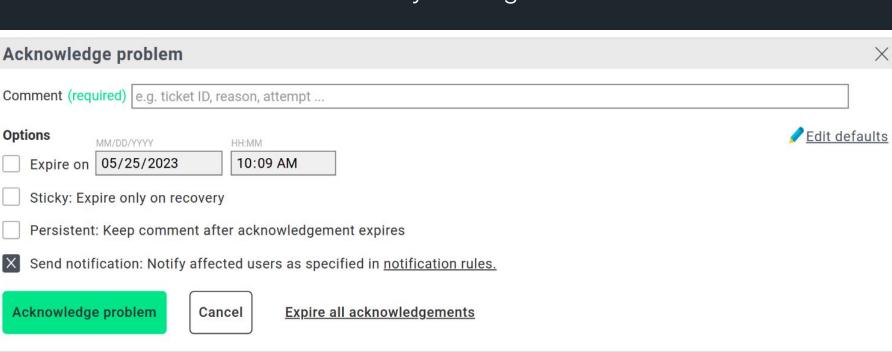
Expire all acknowledgements





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### **Clickable prototype** Iteration III - after internal usability testing





### **High fidelity mockup** Iteration IV - after external usability testing

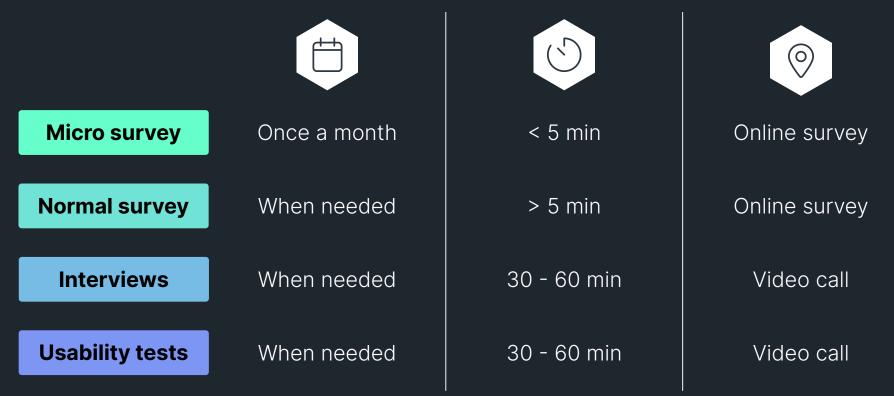






### How to get involved

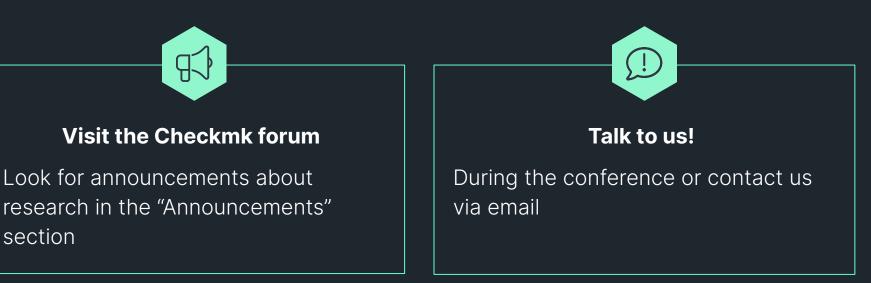






### How to participate









Join the Checkmk UX Research mailing list

To subscribe: Scan the QR-Code or visit lists.checkmk.com and look for "Checkmk user experience research".

Up to date announcements about research directly in your inbox

https://lists.checkmk.com/mailman3/postorius/lists/ux-res earch.lists.checkmk.com/









# Participate and help us to shape the future of Checkmk!



### Thank you! Vielen Dank!



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