



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

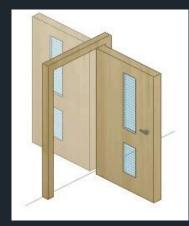
https://www.creativemirror.com/products/etched-and-sandblasted/architectural-sw ing-doors-and-walls.php

What makes a door easy to use?





A "Push" / "Pull" sign



Opens both ways ("double action")



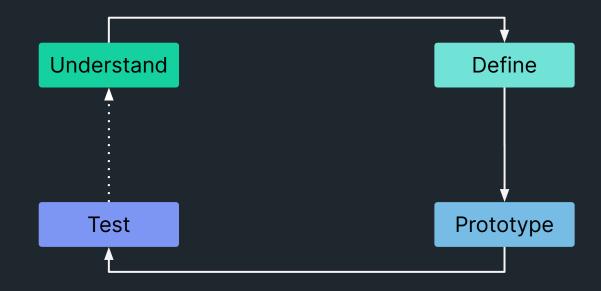
Clear handle design



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





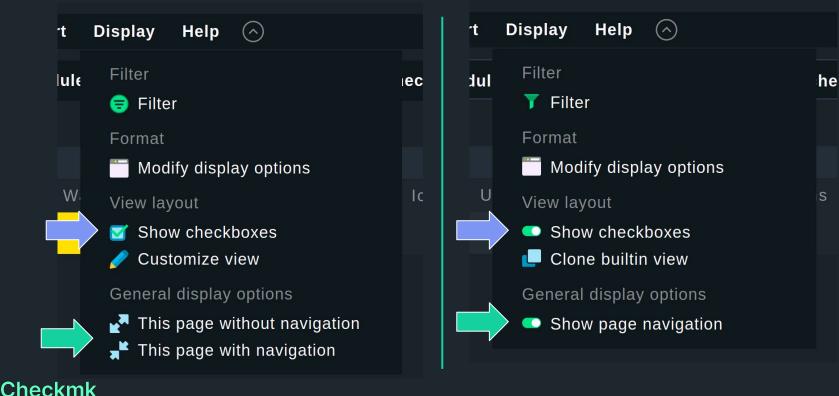






Do/Click the right things

Conference

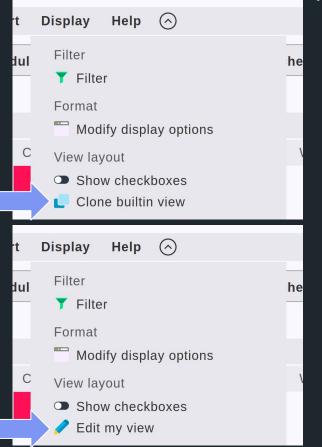




More intuitive interaction Do/Click the right things

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

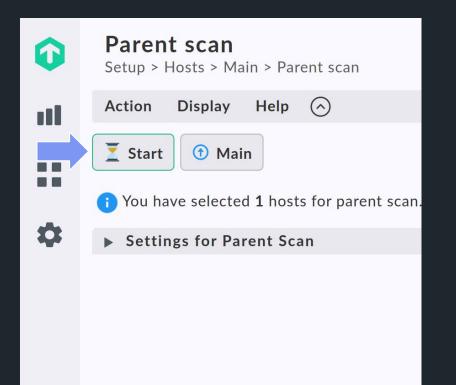
① Main

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

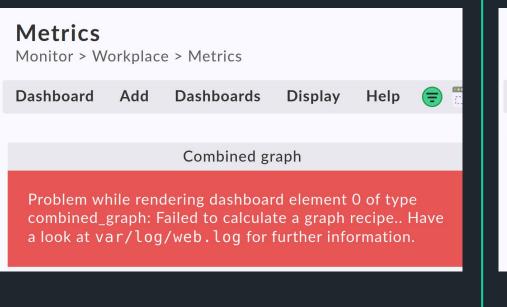


Properties of host localhost Setup > Hosts > Main > Properties of host localhost					
 Network address 		show more 🚥			
IP address family IPv4 address		IPv4 only (Default value) empty (Default value)			





Better error messages



Metrics Monitor > Or	ther > N	1etrics			
Dashboard	Add	Dashboards	Display	Help	T
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

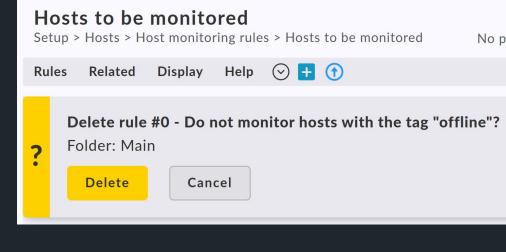
Setup > Hosts > Host monitoring rules > Hosts to be monitored

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 oups 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

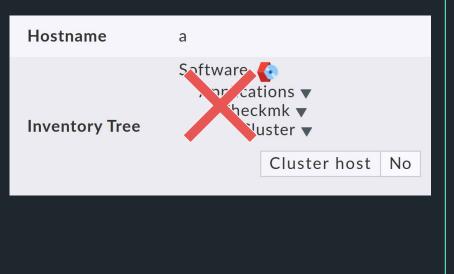


Fewer errors and less frustration

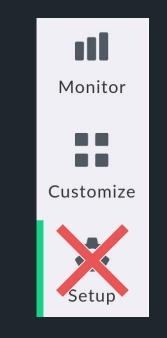
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Only show relevant information

Only show HW/SW inventory, if data available



Hide setup menu on remote sites when Setup is disabled

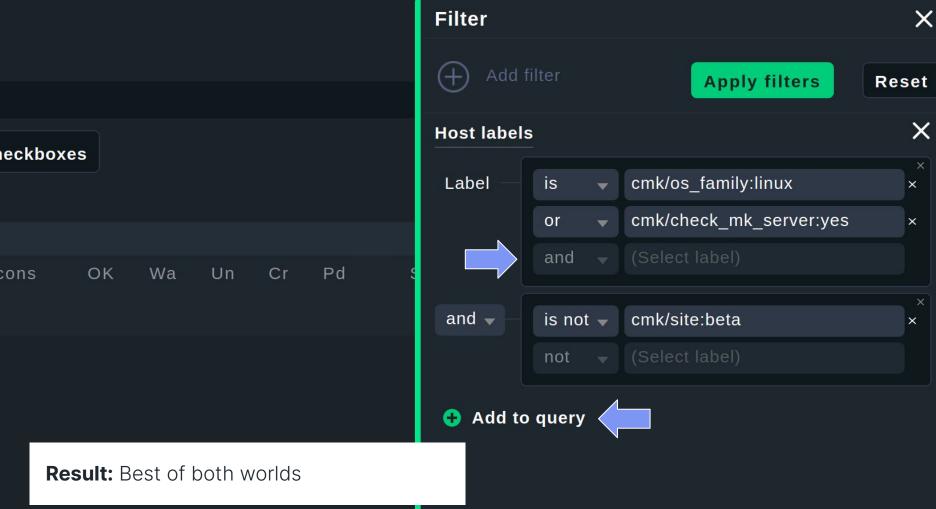




Filter labels with the AND/OR/NOT operator

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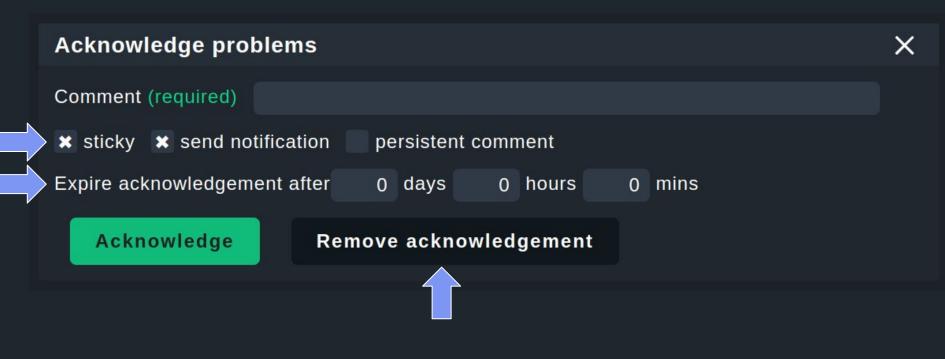
Anytime a new user acknowledges a problem, they need to google / check the documentation for the meaning of the "sticky" checkbox:

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

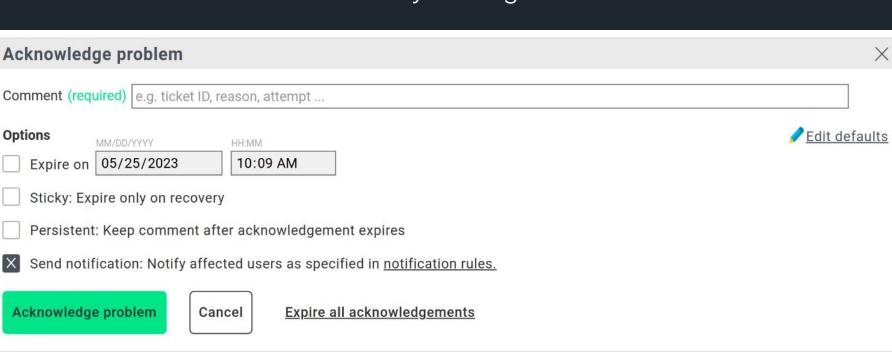
Expire all acknowledgements





X

Clickable prototype Iteration III - after internal usability testing





High fidelity mockup Iteration IV - after external usability testing

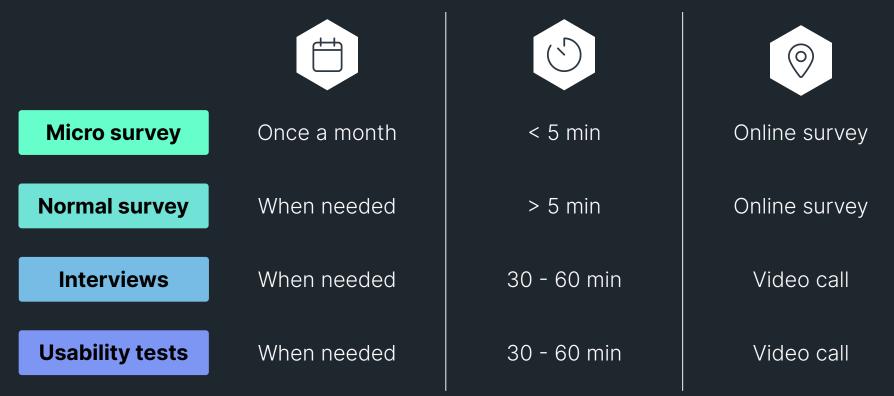






How to get involved

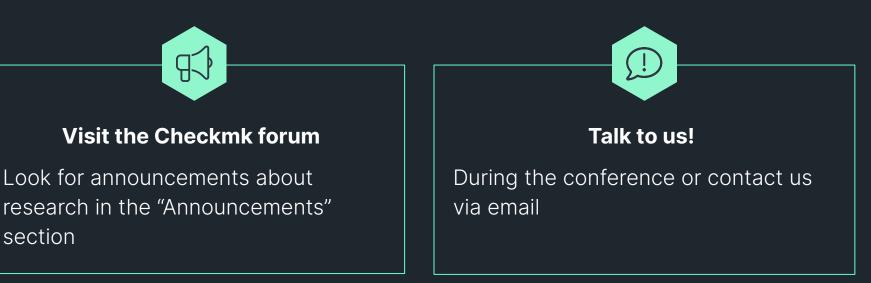






How to participate









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Participate and help us to shape the future of Checkmk!



Thank you! Vielen Dank!



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