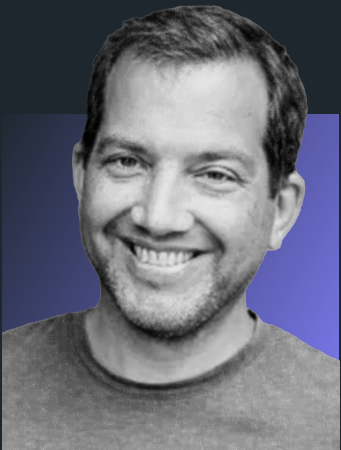


Combining Tags and Labels



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Combining Tags and Labels



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Tags



- configured in Tag Groups
- additional Auxiliary Tags

- Usable in
 - Host Properties
 - Rules
 - Filters

- only for hosts
- only one choice applicable per host

Tags



- configured in Tag Groups
- additional Auxiliary Tags

- Usable in
 - Host Properties
 - Rules
 - Filters

- only for hosts
- only one choice applicable per host

Example

- Tag group:
 - Rack
- Choices:
 - Not applicable
 - BC3040
 - BC3041
 - B53R07R02
 - B53R10R09

Auxiliary Tags



- combine multiple choices of tags
- allow to have "supersets"

- Racks BC3040 & BC3041 in DC G12
- Racks B53R07R02 & B53R10R09 in DC L15
- hosts with a rack tag automatically get a datacenter assigned

- Rules for datacenters
- Filter by datacenter

Auxiliary Tags



- combine multiple choices of tags
- allow to have "supersets"

- Racks BC3040 & BC3041 in DC G12
- Racks B53R07R02 & B53R10R09 in DC L15
- hosts with a rack tag automatically get a datacenter assigned

- Rules for datacenters
- Filter by datacenter

Example

- Aux Tag: DC_G12
- Aux Tag: DC_L15
- Tag Group:
 - Rack
- Choices:
 - Not applicable -> No aux tag
 - BC3040 -> DC_G12
 - BC3041 -> DC_G12
 - B53R07R02 -> DC_L15
 - B53R10R09 -> DC_L15

Labels



- basically free text
- Form: `label_key:label_value`
- Only one label key possible per
 - Host
 - Service
- Risk of inconsistency when applied manually
- Labels should be set automatically
 - from Agent data
 - via REST-API
 - via rulesets "Host labels" & "Service labels"
 - via ruleset "Process discovery"
- Usable like tags

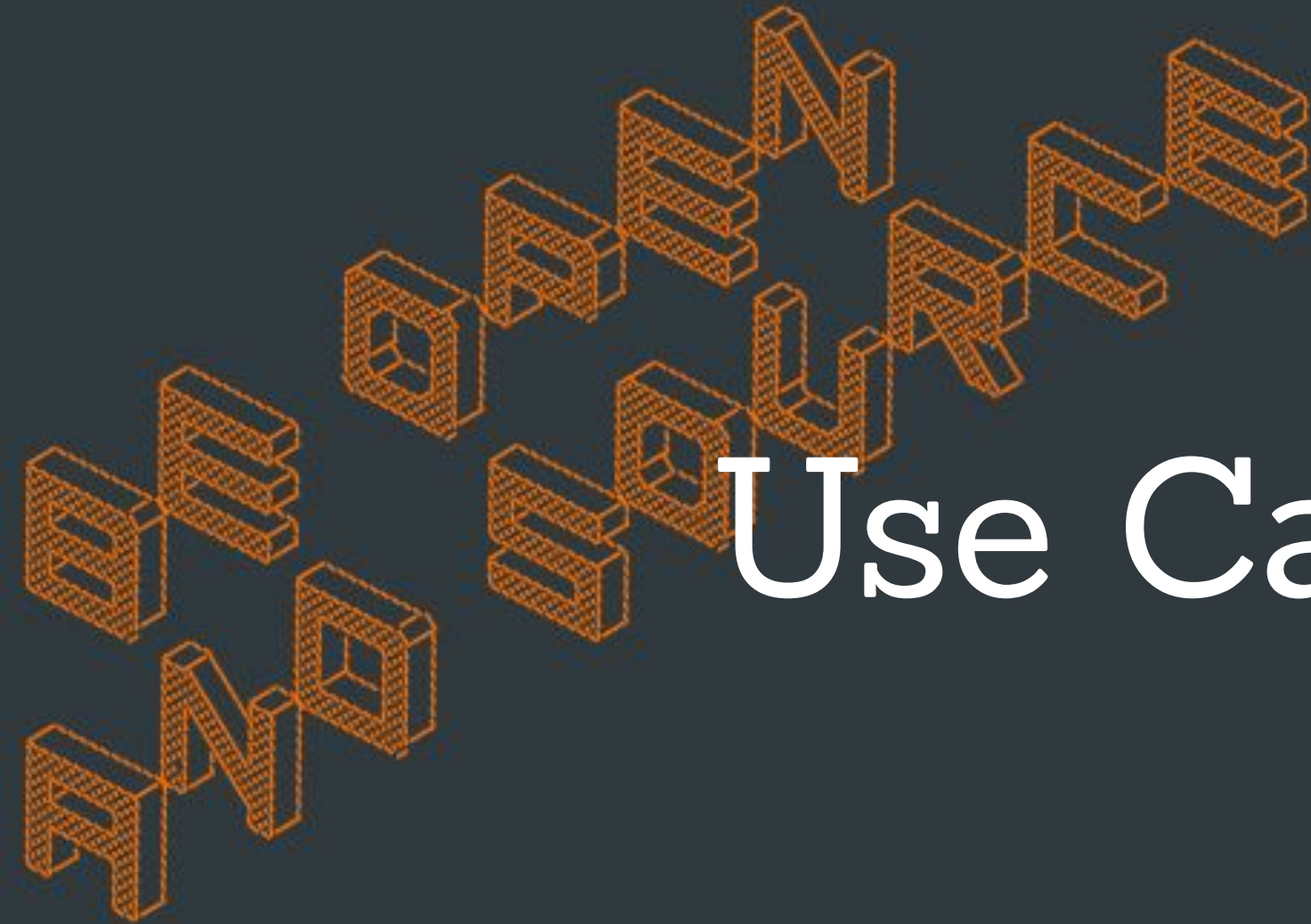
Labels



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- Risk of inconsistency when applied manually
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 - via ruleset "Process discovery"
- Usable like tags

Examples:

- `cmk/os_family:linux`
- `cmk/os_family:windows`
- `cmk/kubernetes:yes`
- `cmk/site:k8s`
- `software/apache:yes`
- `software/mssql:yes`
- `sla:platinum`
- `sla:gold`
- `sla:silver`



Use Case

Use Case



- Send Notifications based on Criticality
- Be able to flexibly assign Criticality to monitored assets

- Example:
 - Send SMS in the night for Platinum assets
 - Do not send E-Mail for Silver assets

Service Levels



- Service Levels configured in Global Settings
 - 0: No service level
 - 10: Silver
 - 20: Gold
 - 30: Platinum
- Usable in Filters and Notifications
 - from NN to MM
- Rulesets "Service Level of services" and "Service Level of hosts"
 - Default: no configuration



Idea



- assign Service Levels via labels
 - use host tags for defaults
 - use labels for exceptions
-
- Services can have labels, but no tags

Assigning Service Levels Tag Group



- Tag group: Criticality
 - added "nosla" choice

Edit tag group
Setup > Hosts > Tag groups > Edit tag group

Tag group Display Help

Save Tag groups

Basic settings

Tag group ID criticality

Title (required) Criticality

Topic* Create new topic

Tag ID	Title*
prod	Productive system (Gold)
critical	Business critical (Platinum)
test	Test system (Silver)
nosla	No SLA
offline	Do not monitor this host

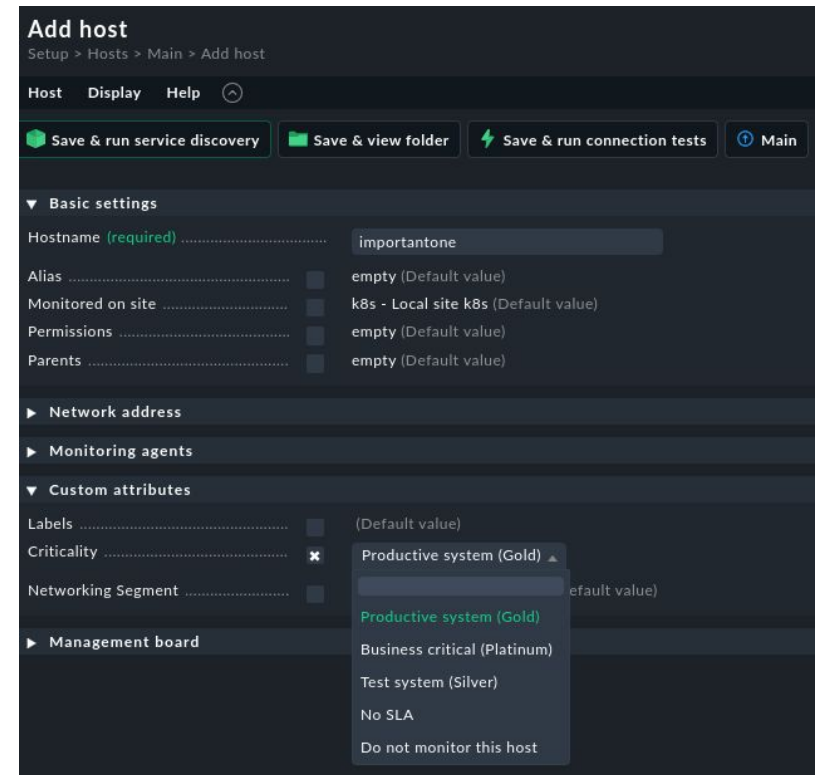
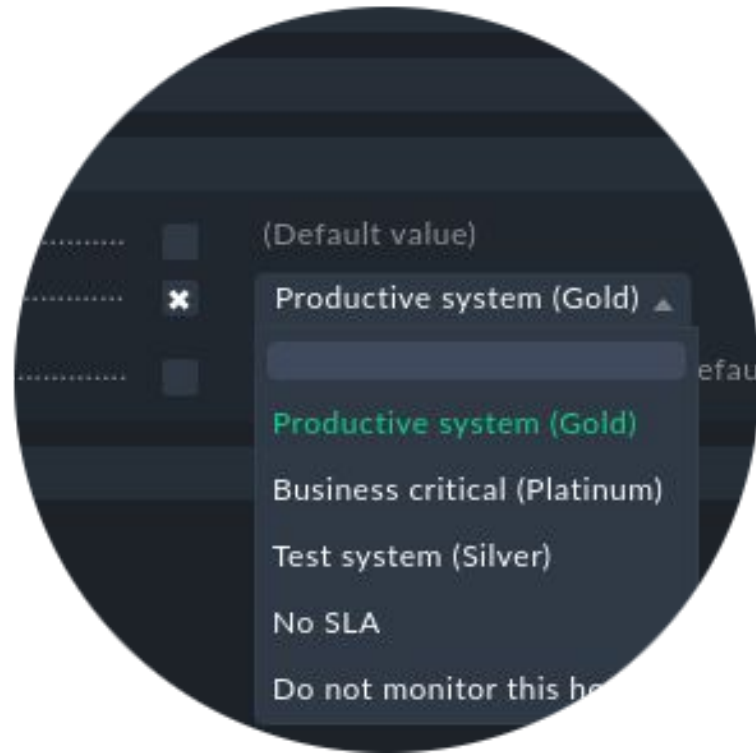
Sort

Tag ID	Title*
prod	Productive system (Gold)
critical	Business critical (Platinum)
test	Test system (Silver)
nosla	No SLA
offline	Do not monitor this host

Host Properties

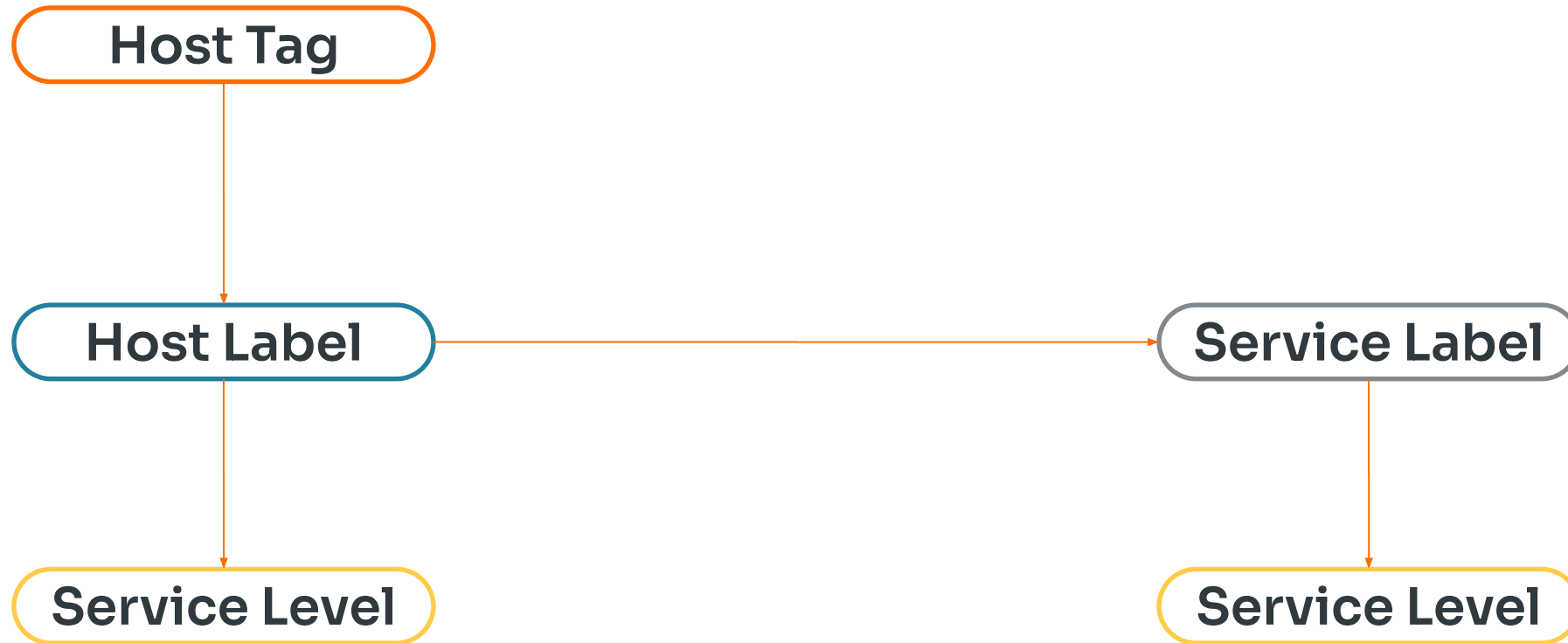


- Only one choice from the tag group
- No inconsistency



Assigning Service Levels

Conceptual Overview



Assigning Service Levels Default Labels



Host labels





















Setup > Hosts > Host monitoring rules > Host labels

Rules Related Display Help ^

+ Add rule ⓘ Host monitoring rules

ⓘ Matching: Each parameter is defined by the first matching rule where that parameter is set (c

▼ Rules in folder Main (4)

#	Actions	Conditions	Value
0	    	Host tag: Criticality is No SLA	sla:none
1	    	Host tag: Criticality is Test system	sla:silver
2	    	Host tag: Criticality is Productive system	sla:gold
3	    	Host tag: Criticality is Business critical	sla:platinum

Service labels





















Setup > Services > Service monitoring rules > Service labels

Rules Related Display Help ^

+ Add rule ⓘ Service monitoring rules

ⓘ Matching: Each parameter is defined by the first matching rule where that parameter is set

▼ Rules in folder Main (4)

#	Actions	Conditions	Value
0	    	Host matching labels: sla:none	sla:none
1	    	Host matching labels: sla:silver	sla:silver
2	    	Host matching labels: sla:gold	sla:gold
3	    	Host matching labels: sla:platinum	sla:platinum

Assigning Service Levels Rulesets



Service Level of hosts
















Setup > Hosts > Host monitoring rules > Service Level of hosts

Rules Related Display Help ^

+ Add rule ⓘ Host monitoring rules

ⓘ Matching: The first matching rule defines the parameter.

▼ Rules in folder Main (3)

#	Actions	Conditions	Value
0	    	Host matching labels: <code>sla:silver</code>	Silver
1	    	Host matching labels: <code>sla:gold</code>	Gold
2	    	Host matching labels: <code>sla:platinum</code>	Platinum

Service Level of services
















Setup > Services > Service monitoring rules > Service Level of services

Rules Related Display Help ^

+ Add rule ⓘ Service monitoring rules

ⓘ Matching: The first matching rule defines the parameter.

▼ Rules in folder Main (3)

#	Actions	Conditions	Value
0	    	Service matching labels: <code>sla:silver</code>	Silver
1	    	Service matching labels: <code>sla:gold</code>	Gold
2	    	Service matching labels: <code>sla:platinum</code>	Platinum

Assigning Service Levels Exceptions in “Service labels”



Service labels
Setup > Services > Service monitoring rules > Service labels

Rules Related Display Help

[+ Add rule](#) [Service monitoring rules](#)

Matching: Each parameter is defined by the first matching rule where that parameter is set (checked).

▼ Rules in folder Main (7)

#	Actions	Conditions	Value
0		Service name begins with Check_MK	sla:silver
1		Host name is testhost12 Service name begins with MSSQL	sla:none
2		Service name begins with MSSQL	sla:platinum
3		Host matching labels: sla:none	sla:none
4		Host matching labels: sla:silver	sla:silver
5		Host matching labels: sla:gold	sla:gold
6		Host matching labels: sla:platinum	sla:platinum

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