

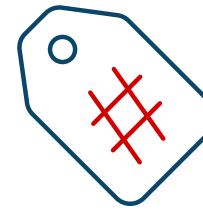
# What are Zabbix tags ?

Artjoms Rimdjonoks, Software Developer, Team Lead, Zabbix



OCTOBER 8 • 10, 2025  
RIGA • LATVIA

Tags are a fundamental component of the Zabbix system.



Tags	Name	Value	
	class	os	<a href="#">Remove</a>
	target	linux	<a href="#">Remove</a>
<a href="#">Add</a>			

# Analogy

ZABBIX FEATURE REQUESTS / ZBXNEXT-10077

## Support for MariaDB 12.0

[Edit](#) [Add comment](#) [Assign](#) [More](#) [Closed](#)

[Details](#)

Type:	<a href="#">Change Request</a>	Resolution:	Fixed
Priority:	<input checked="" type="radio"/> Trivial	Fix Version/s:	<a href="#">6.0.42rc1, 7.0.19rc1,</a> <a href="#">7.2.13rc1, 7.4.3rc1,</a> <a href="#">8.0.0alpha1 (master)</a> <small>+++</small>
Affects Version/s:	None		
Component/s:	<a href="#">API (A)</a> , <a href="#">Documentation (D)</a> , <a href="#">Frontend (F)</a> , <a href="#">Proxy (P)</a> , <a href="#">Server (S)</a> <small>+++</small>		
Labels:	<a href="#">MariaDB</a>		
Sprint:	Prev.Sprint, S25-W34/35		
Story Points:	0.25		

Jira labels:

Social network hashtags: #ZabbixSummit2025

# Metadata

## Logical Grouping

- Hosts/templates
- Items/triggers
- Prototypes (host, item and trigger)
- Web scenarios
- Services (SLA)

For control of data flow:

- **Visualization/searching**  
(configuration, metric data, problems)
- **Event generation control**  
(actions, event correlation, SLA)
- **Access control** (user groups - host groups)
- **Administration** (maintenance)

# Items configuration

Items

All hosts / Zabbix server Enabled ZBX SNMP IPMI JMX Items 1558 Triggers 499 Graphs 196 Discovery rules 186 Web scenarios ? Create item

Host groups type here to search Select Hosts Zabbix server X Select Name Key Value mapping type here to search Select Type All Type of information All History Trends Update interval

Tags And/Or Or tag Contains value Add State All Normal Not supported Status All Enabled Disabled Triggers All Yes No Inherited All Yes No Discovered All Yes No

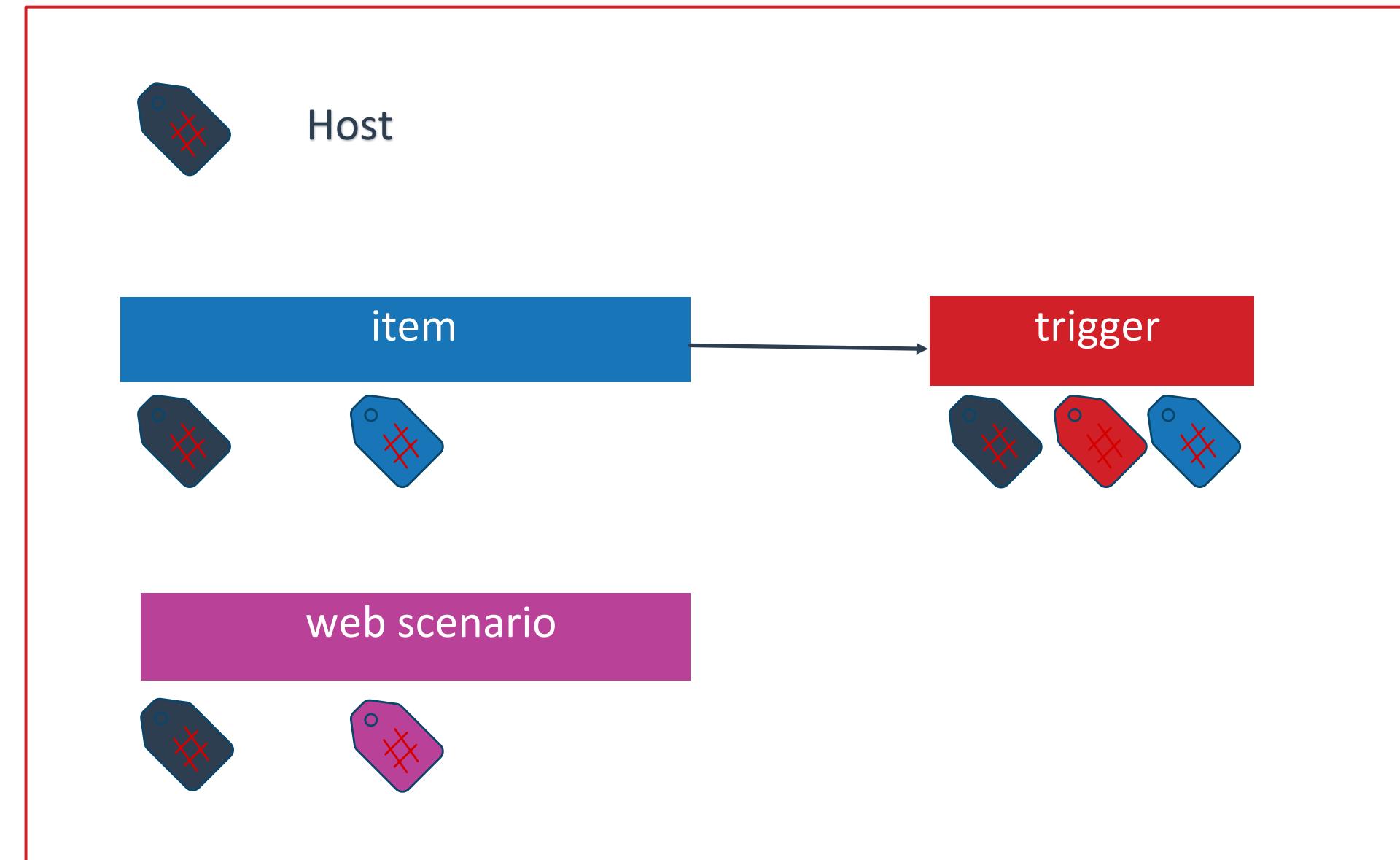
Apply Reset

Subfilter affects only filtered data

TAGS

```
class: cloud 77 class: database 303 class: hardware 9 class: network 100 class: power 12 class: software 490 class: voip 10 component: alarms 1 component: allocations 10 component: application 50 component: array 5 component: asserts 5 component: asynchronous-metrics 1 component: audit_log 4 component: bandwidth 2 component: barrier 4 component: battery 5 component: bgwriter 10 component: boltdb 2 component: buckets 1 component: ca-certificate 1 component: cache 19 component: calls 3 component: cert 12 component: certificate 2 component: cgo 2 component: channels 2 component: clients 3 component: cluster 29 component: collections 1 component: commands 3 component: computers 1 component: connections 45 component: containers 10 component: coprocessor 5 component: core 6 component: counter 2 component: cpu 42 component: cursors 4 component: dashboards 1 component: database 7 component: databases 1 component: datafiles 2 component: datastore 6 component: descriptors 2 component: dictionaries 1 component: discovery 5 component: disk 6 component: dns 1 component: documents 5 component: environment 16 component: error 14 component: errors 1 component: events 1 component: executors 3 component: expire 7 component: fds 7 component: filesystem 4 component: firewall 2 component: fra 6 component: gc 2 component: global-lock 3 component: go 3 component: go-threads 1 component: goroutines 1 component: grpc 2 component: health 33 component: http 3 component: images 3 component: indices 1 component: innodb 11 component: iops 8 component: job 2 component: jobs 28 component: keys 3 component: keyspace 3 component: kv 2 component: latency 8 component: leader 4 component: listen-queue 3 component: listener 7 component: listener-manager 1 component: liveness 2 component: lock 1 component: log 1 component: memory 79 component: metrics 3 component: mountpoint 1 component: namenode 16 component: network 46 component: node-certificate 1 component: nodes 8 component: nvp 8 component: operations 15 component: oplog 1 component: orchestrator 4 component: organizations 1 component: os 7 component: page 7 component: peers 4 component: performance 21 component: pga 5 component: process 2 component: queries 7 component: queue 5 component: raw 167 component: replicas 1 component: replicaset 2 component: replication 4 component: reports 1 component: requests 27 component: security 2 component: sessions 8 component: shards 5 component: sql 1 component: status 9 component: storage 30 component: system 56 component: system-events 1 component: system-metrics 1 component: system-settings 1 component: tables 8 component: tasks 1 component: temperature 2 component: throughput 4 component: tokens 1 component: traffic 13 component: uptime 1 component: voltage 6 component: wait-time 4 component: wal 1 datastore: DS-NFS 5
```

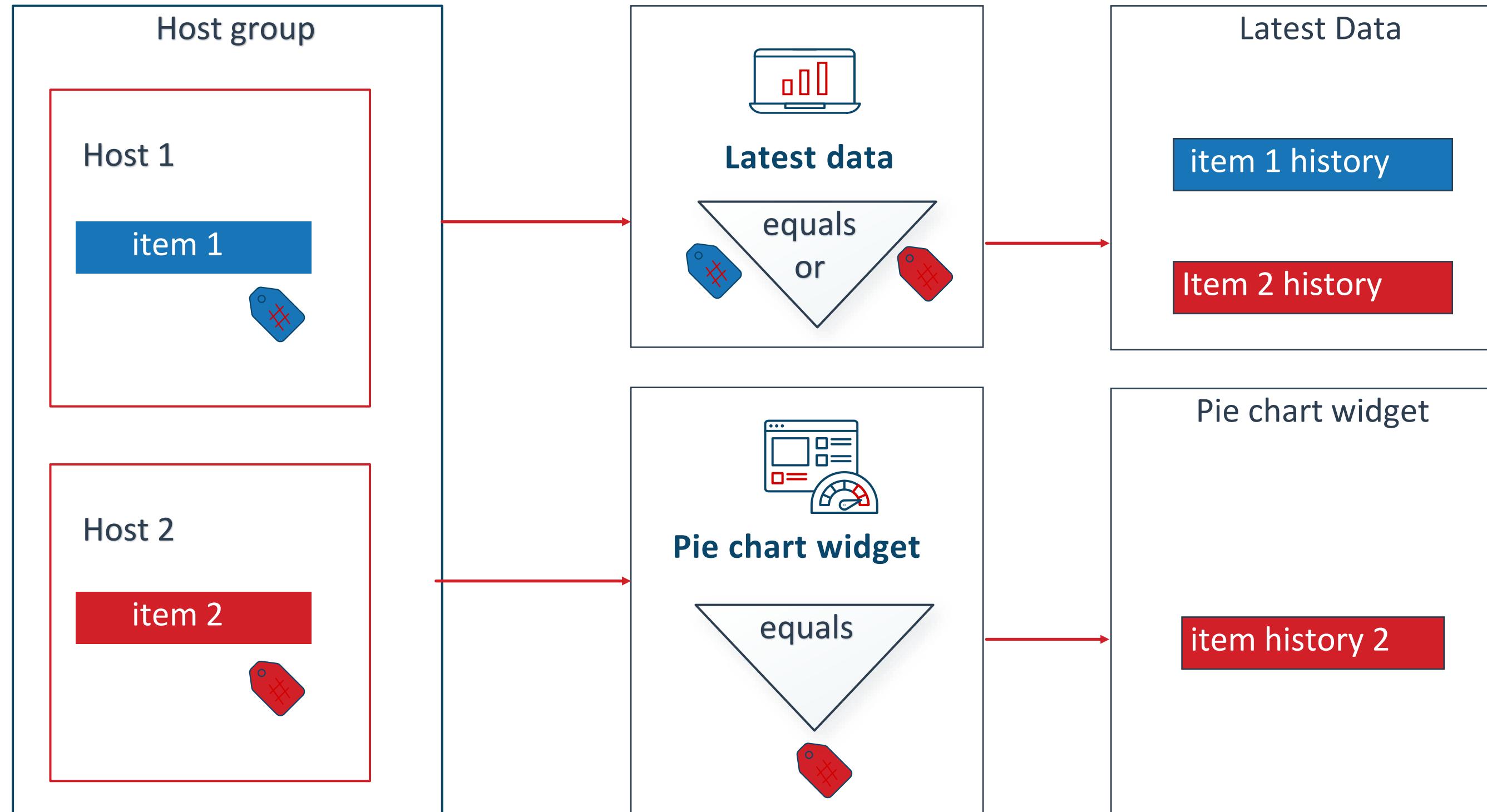
# Adding tags



No discovery rules, no graphs

Item and trigger – also applies to prototypes

## Latest data filtering



# Latest data

Latest data

Host groups

Hosts

Name

Tags    
target Equals docker  
  
Show tags          
Tag display priority   
State     
Show details   
  

Subfilter affects only filtered data

HOSTS

[Zabbix server](#) 44

TAGS  
[class](#) 44 [component](#) 44 [target](#) 44

TAG VALUES  
class: [software](#) 44  
component: [application](#) 7 [containers](#) 5 [cpu](#) 5 [health](#) 1 [images](#) 3 [memory](#) 5 [network](#) 1 [os](#) 5 [raw](#) 4 [storage](#) 6 [system](#) 6  
target: [docker](#) 44

DATA  
[With data](#) [Without data](#)

<input type="checkbox"/> Host	Name ▲	Last check	Last value	Change	Tags
<input type="checkbox"/>	<a href="#">Zabbix server</a>	Architecture			<a href="#">target: docker</a> <a href="#">class: software</a> <a href="#">component: os</a>
<input type="checkbox"/>	<a href="#">Zabbix server</a>	Cgroup driver			<a href="#">target: docker</a> <a href="#">class: software</a> <a href="#">component: os</a>
<input type="checkbox"/>	<a href="#">Zabbix server</a>	Containers paused <a href="#">?</a>			<a href="#">target: docker</a> <a href="#">class: software</a> <a href="#">component: containers</a>

+ scope overview

# Widgets

VMware

Geomap widget

Graph

Honeycomb

Top items

Top hosts

Top triggers

Trigger overview

Host card

Item card

Host navigator

Item navigator

Problem hosts

Problems

Web monitoring

? Host

**Edit widget**

CPU swap-in latency in percent X CPU usage X CPU usage in percent X  
 Datacenter name X Free disk space on [/] X  
 Free disk space on [/] (percentage) X Get snapshots X  
 Guest memory swapped X Guest memory usage X Host memory consumed X  
 Host memory usage X Host memory usage in percent X  
 Hypervisor maintenance mode X Hypervisor name X Memory size X  
 Network utilization on interface [/][Network adapter 1] X  
 Number of bytes received on interface [/][Network adapter 1] X  
 Number of bytes transmitted on interface [/][Network adapter 1] X  
 Number of packets received on interface [/][Network adapter 1] X  
 Number of packets transmitted on interface [/][Network adapter 1] X  
 Number of virtual CPUs X Power state X Private memory X  
 Shared memory X Snapshot consolidation needed X Snapshot count X  
 Snapshot latest date X Swapped memory X Total disk space on [/] X  
 Uncommitted storage space X Unshared storage space X Uptime X  
 Uptime of guest OS X Used disk space on [/] X VM state X  
 VMware Tools status X VMware Tools version X  
 patterns

Item tags And/Or Or

component	Equals	memory
-----------	--------	--------

Add

Show hosts in maintenance

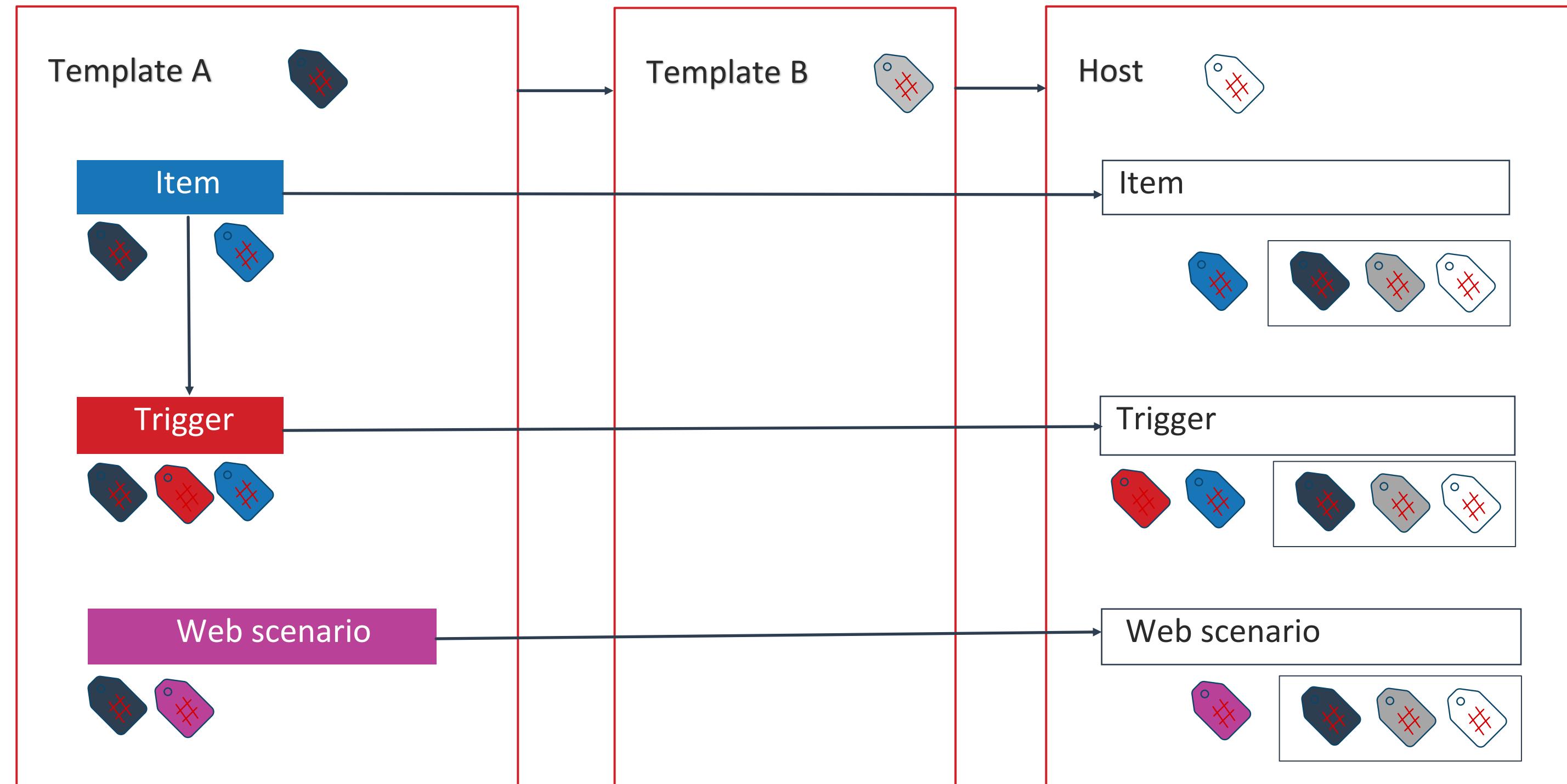
\* Show  Primary label  Secondary label

# Events

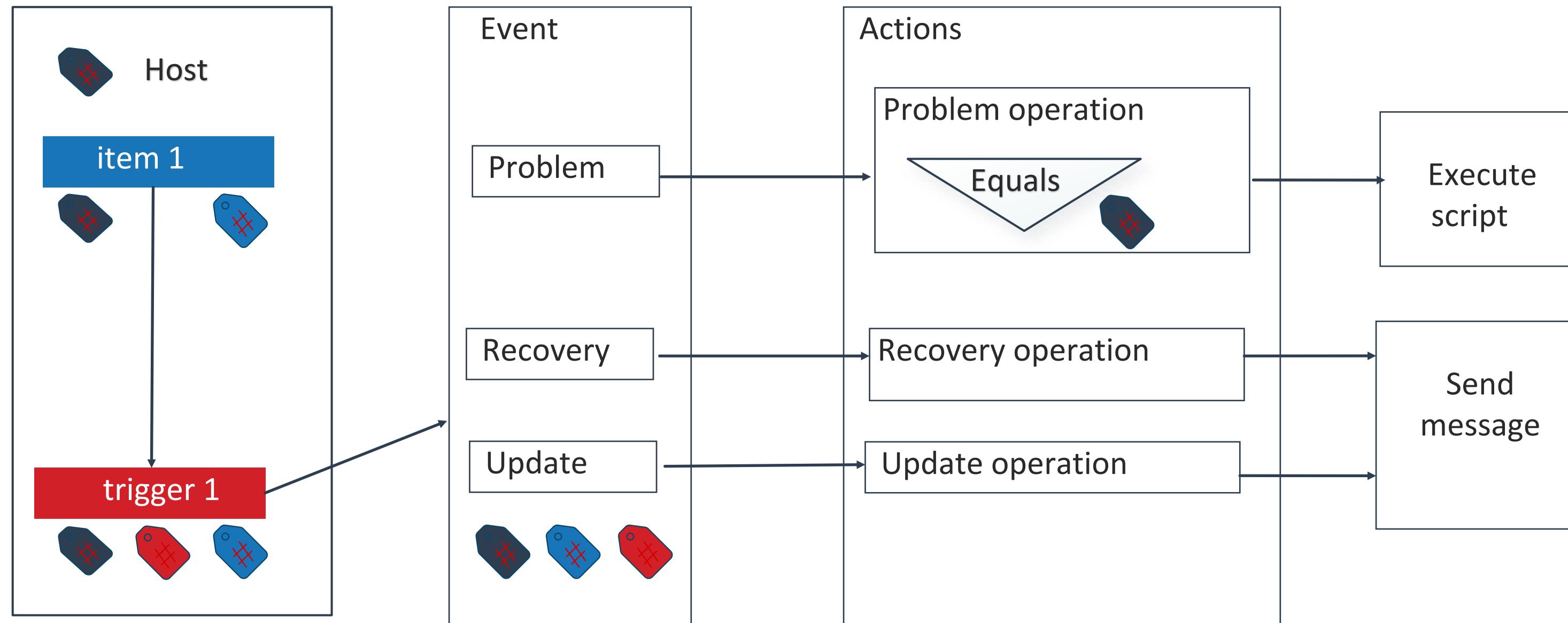
- Most important use-case for tags
- Processed by Zabbix server
- Problem, recovery, or update



# Adding tags, templates



# Events



# Events

**Problems**

Recent problems Problems History

Host groups type here to search Select

Hosts Zabbix server X Select

Triggers type here to search Select

Problem

Severity  Not classified  Warning  High  
 Information  Average  Disaster

Show symptoms

Show suppressed problems

Acknowledgement status All Unacknowledged Acknowledged By me

Save as Apply Reset

Host inventory Type  Remove

Add

Tags And/Or Or

tag Contains value Remove

Add

Show tags None 1 2 3 Tag name Full Shortened None

Tag display priority comma-separated list

Show operational data None Separately With problem name

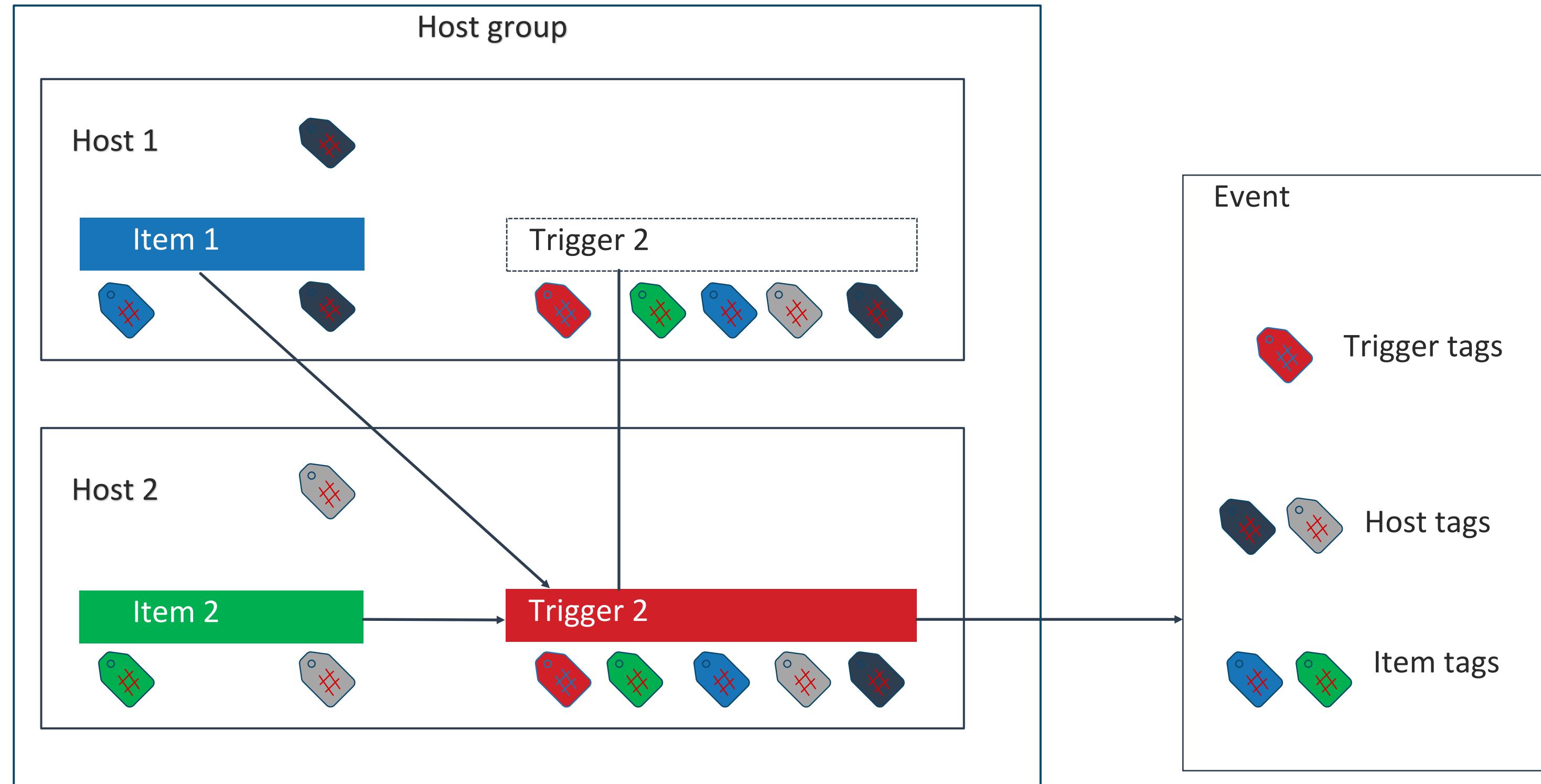
Compact view  Show timeline

Show details  Highlight whole row

Time ▾ Severity Recovery time Status Info Host Problem Duration Update Actions Tags

Time	Severity	Recovery time	Status	Info	Host	Problem	Duration	Update	Actions	Tags
03:29:01 PM	Warning			Zabbix	Zabbix server	AWS ECS Serverless: Failed to get metrics data <a href="#">?</a>	4s	Update	2	class: cloud component: status scope: availability ...
03:29:01 PM	Warning			Zabbix	Zabbix server	AWS ECS Serverless: Failed to get alarms data <a href="#">?</a>	4s	Update	2	class: cloud component: status scope: availability ...
03:29:00 PM	Average			Zabbix	Zabbix server	HAProxy: Service is down <a href="#">?</a>	5s	Update	2	class: software component: health component: network ...
03:28:59 PM	Average			Zabbix	Zabbix server	CockroachDB: Service is down <a href="#">?</a>	6s	Update	2	class: database component: health component: network ...

# Events



# Tag filter

## And/Or

Or - for same tag names

And - for different tag names

Tags And/Or Or

tag	Contains	value
-----	----------	-------

Add

State	All	Normal	Not supp
-------	-----	--------	----------

Status	All	Enabled	Disable
--------	-----	---------	---------

Triggers	All	Yes	No
----------	-----	-----	----

Contains

Exists

Equals

Contains

Does not exist

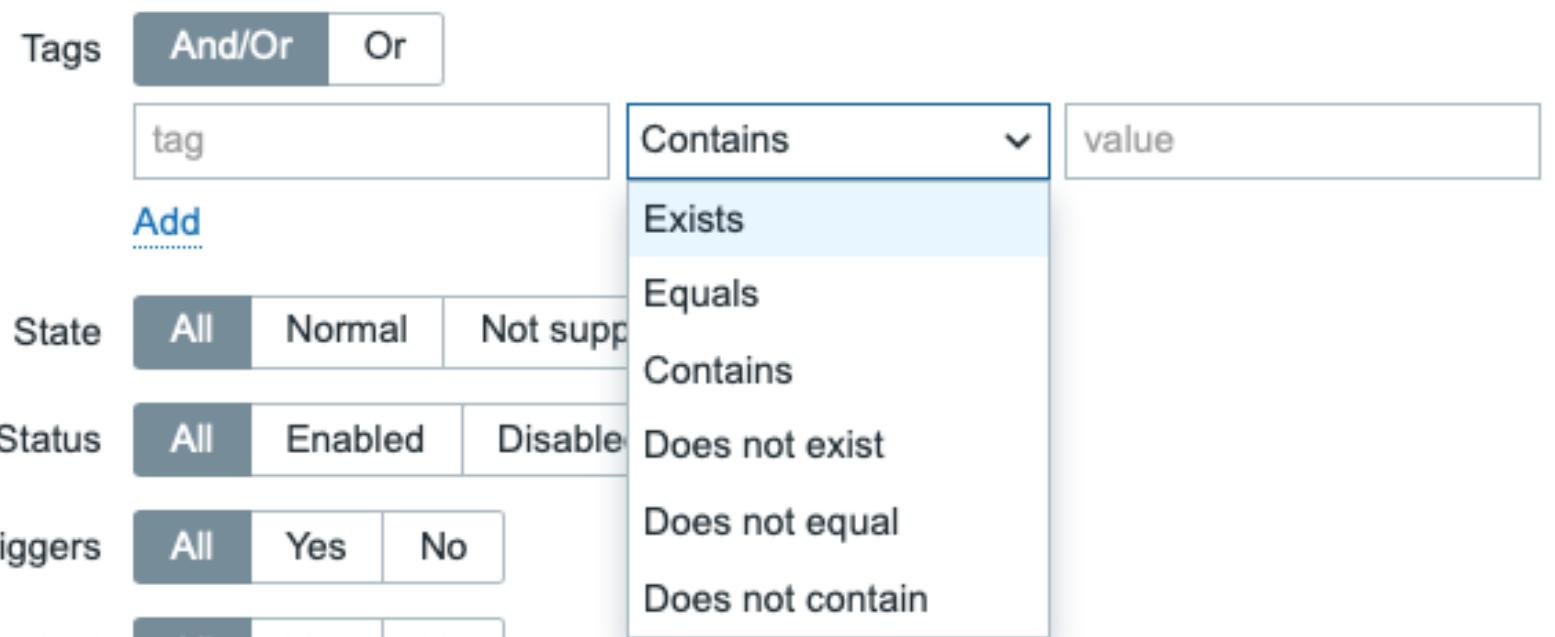
Does not equal

Does not contain



OCTOBER 8-10, 2025  
RIGA • LATVIA

# Tag filter



## Does not equal

- <tag name> does not equal <tag value> OR there is no such <tag name>

## Case sensitivity

- Tag name - case sensitive
- Tag value - case sensitive, (but in 'Contains' and 'Does not contain' NOT case sensitive)

## Tag filter – example 1

Tags    And/Or    Or

class	Does not equal	A
class	Equals	A

Name ▾	Tags
NO_TAG	
3	class: A class: B target: Z
2	class: A target: Z
1	target: Z

Result – everything is shown

Name ▾	Tags
NO_TAG	
3	class: A class: B target: Z
2	class: A target: Z
1	target: Z

# Tag filter – example 2

Tags

class	Does not equal	A
target	Does not equal	Z

Name ▾	Tags
NO_TAG	
3	class: A class: B target: Z
2	class: A target: Z
1	target: Z

## Result

Name ▾	Tags
NO_TAG	
1	target: Z

# Tag filter – example 3

Tags    **And/Or**    Or

class	Does not equal	A
target	Does not equal	Z

Name ▾    Tags

NO_TAG	
3	class: A class: B target: Z
2	class: A target: Z
1	target: Z

Result

<input type="checkbox"/>	Name ▾	Tags
<input type="checkbox"/> ...	NO_TAG	

# SLA

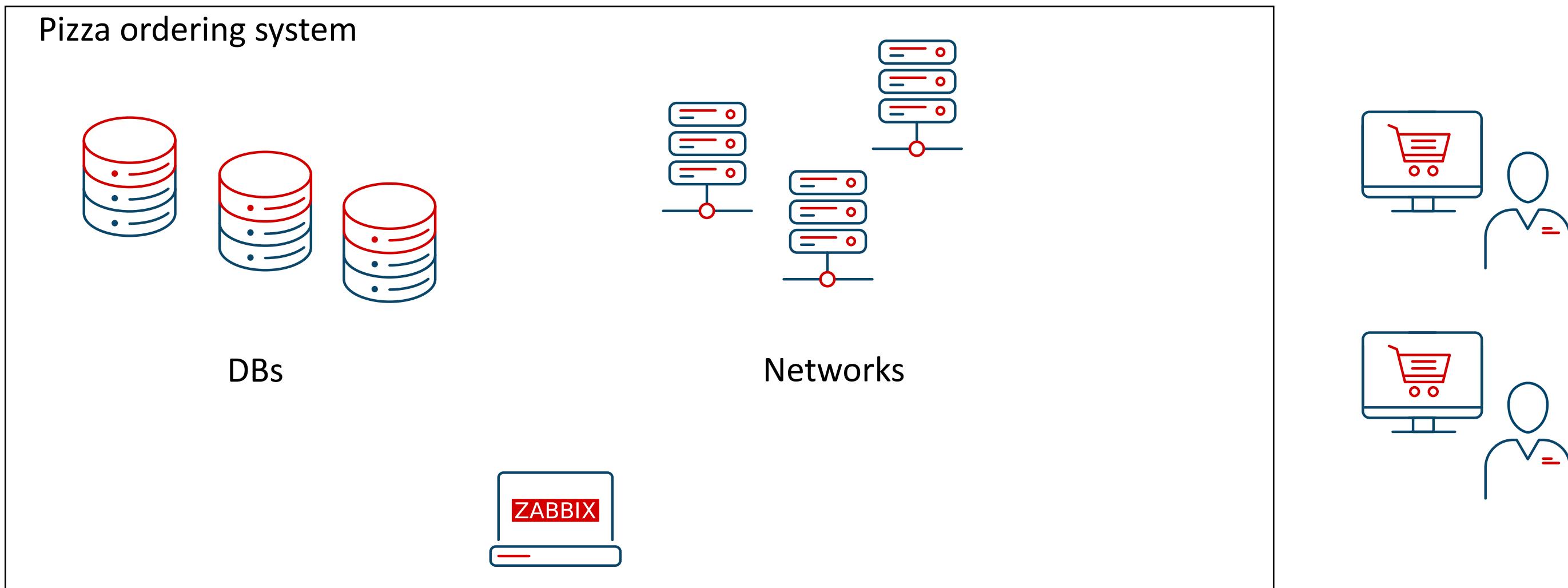
Report if group of triggers was in the problem state <SLO> % of time



OCTOBER 8 • 10, 2025  
RIGA • LATVIA

# SLA

Use case



# SLA

Use case

**Service**

Name	Operation	Value	Remove
target	Equals	mysql	Remove

**Service**

Name	Value
service	DB_service

# SLA

## Use case

**SLA**

**Excluded downtimes**

\* Name: WEB\_SHOP\_AVAIL

\* SLO: 99.9 %

Reporting period: Daily, Weekly, Monthly, Quarterly, Annually

Time zone: System default: (UTC+00:00) UTC

Schedule: 24x7, Custom

\* Effective date: 2025-09-04

\* Service tags:

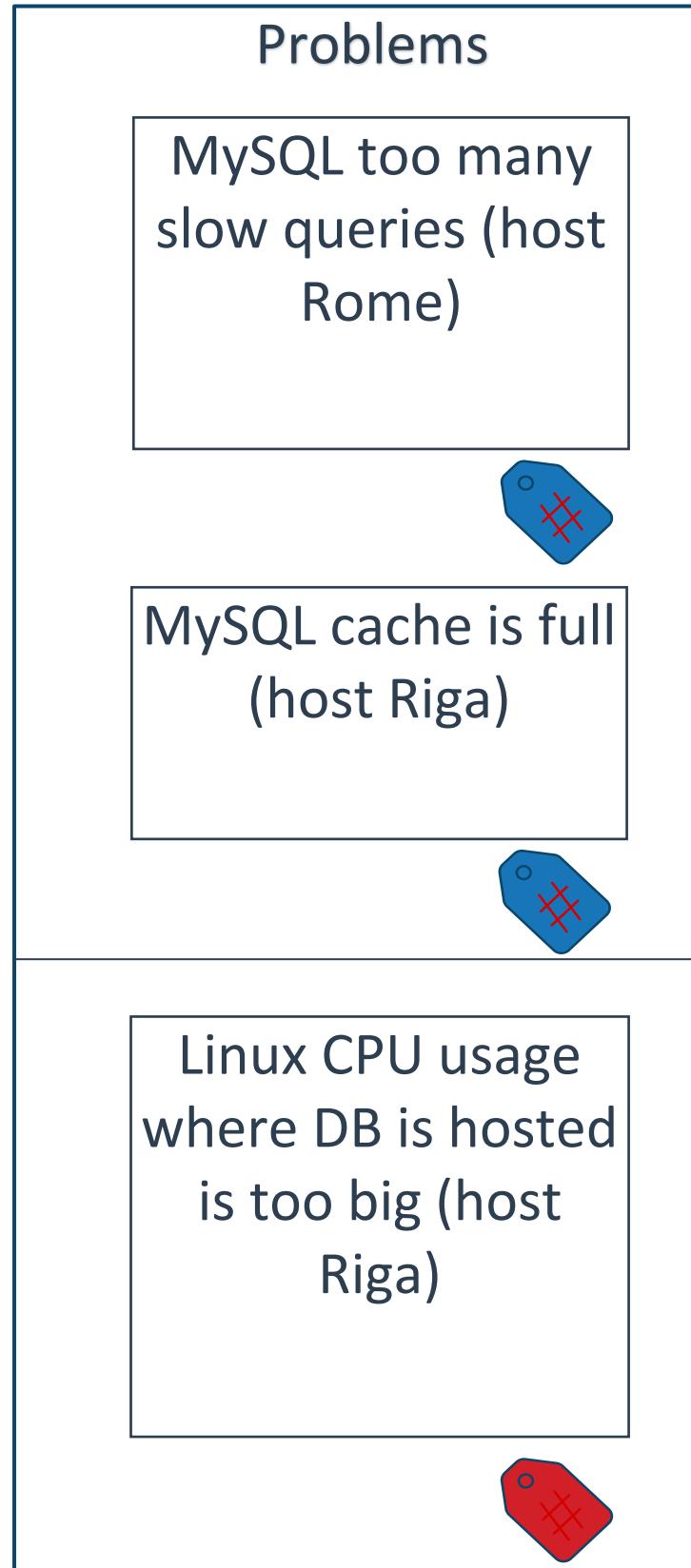
Name	Operation	Value
service	Equals	DB_service
service	Equals	NETWORK_service

Add Remove Remove

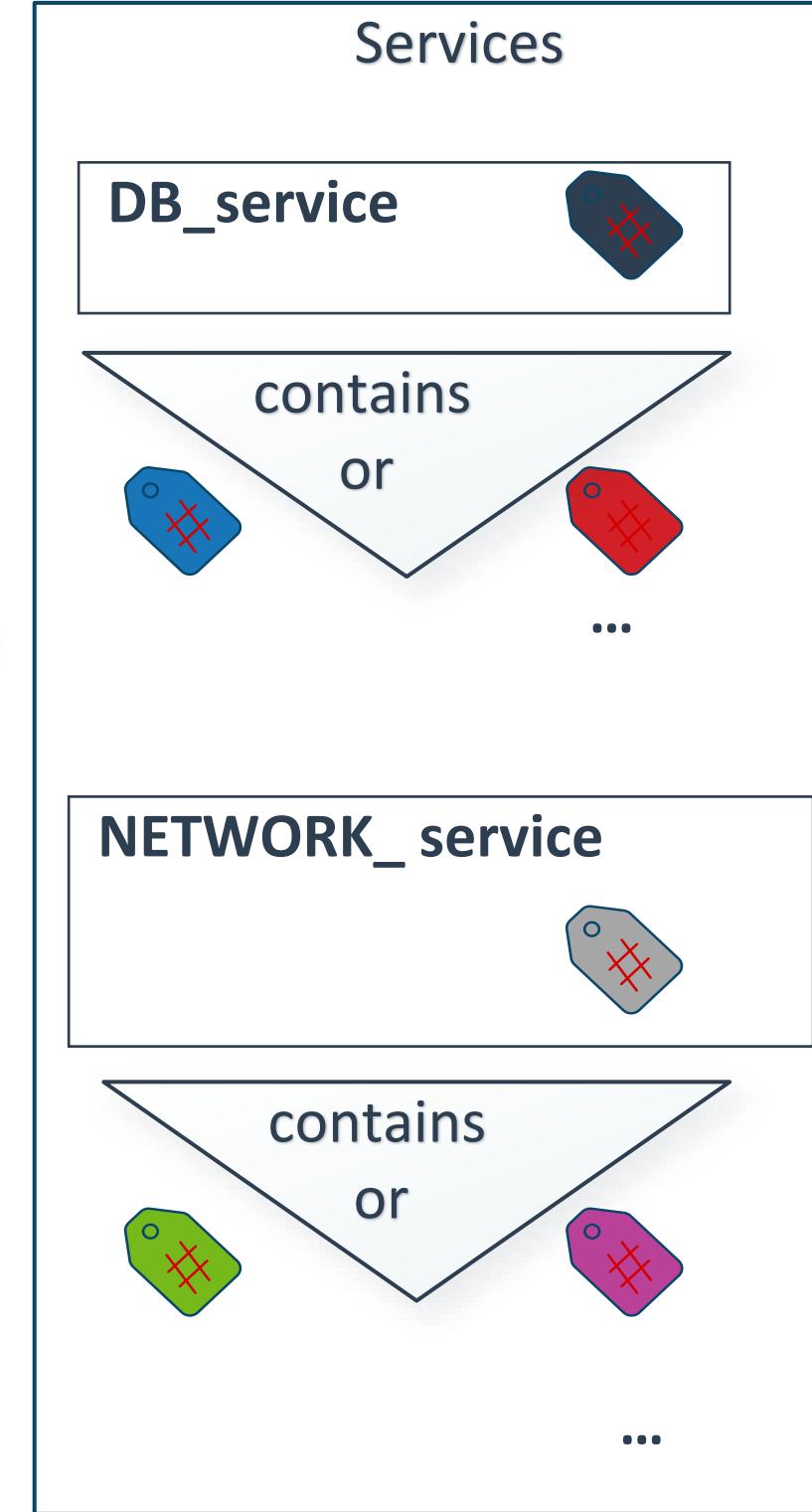
**SLA report**

Service ▲	SLO	2020-06	2020-07	2020-08	2020-09	2020-10	2020-11	2020-12	2021-01	2021-02	2021-03	2021-04	2021-05	2021-06	2021-07	2021-08	2021-09	2021-10	2021-11	2021-12	2022-01
Availability	100%	100	100	100	100	100	100	100	100	100	100	100	100	100	72.5434	0.0028	28.8072	17.049	0	0	0

# SLA



## Problem tags mapping



## Service tags mapping

+ schedule  
Mon-Fri (8:00-18:00)  
+ SLO (99.9 %)

A large red arrow points downwards from the middle section towards the bottom right corner, where a green square with a white checkmark and a slice of pizza emoji are located.



# Macros



OCTOBER 8 • 10, 2025  
RIGA • LATVIA

## Adding tags automatically

To hosts

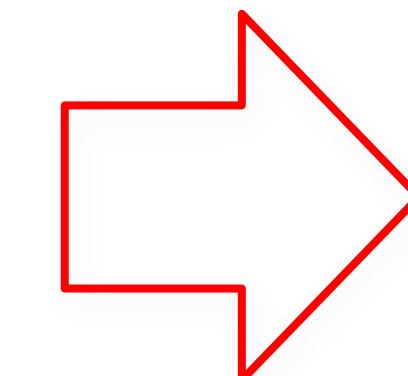
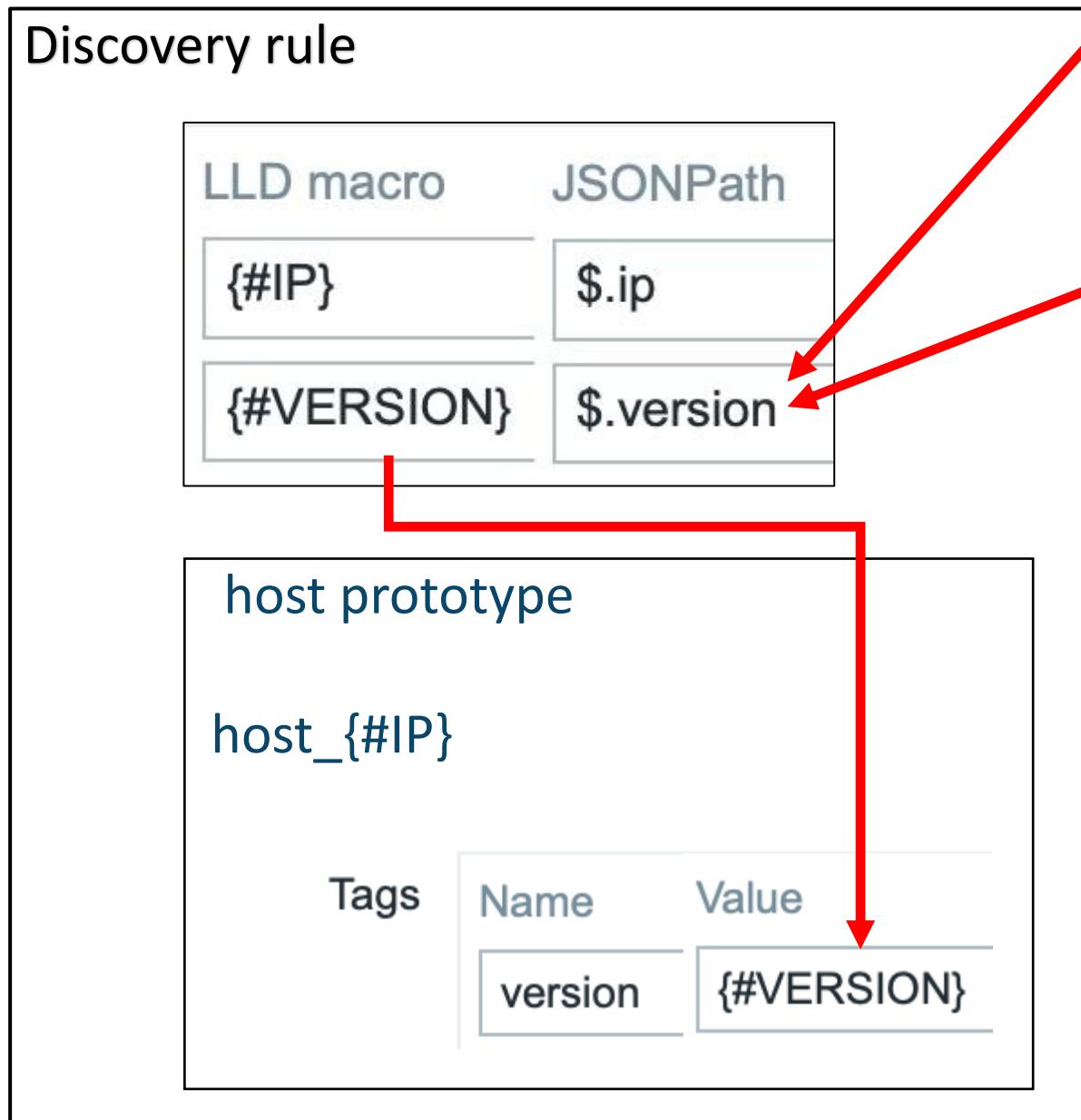
- Autoregistration – in Autoregistration actions
- Network discovery – in Discovery actions

To hosts, items, and triggers

- LLD

## LLD

```
[{"ip":"127.0.0.1","version":"2.0"}, {"ip":"127.0.0.2", "version":"3.3"}]
```



Name ▲	Tags
A: host_127.0.0.1	version: 2.0
A: host_127.0.0.2	version: 3.3

## Macros in tags

LLD macros

{#MACRO}

Built-in macros

{MACRO}

User macros (global or host)

{\$MACRO}

Expression macros - {?MACRO}

{?MACRO}

## User macros

	Macro	Value	
Host macros	{\$URL}	http://www.example.com/index.html	T ▾
	{\$PASSWORD}	*****	?
Host tags	Tags	Name	Value
		URL	{\$URL}
		password	{\$PASSWORD}
Problem	Tags		
		password: *****	URL: https://www.example.com

## Built-in macros

Resolved only during the **event generation**

### Host macros

- {HOST.CONN}, {HOST.DNS}, {HOST.HOST}, {HOST.ID}, {HOST.IP}, {HOST.NAME}, {HOST.PORT}

{HOST.IP} -> 127.0.0.1

{HOST.NAME} -> Zabbix server

{HOST.PORT} -> 10050

# Built-in macros

Resolved only during the **event generation**

## Host inventory macros

- {INVENTORY.HW.ARCH}, {INVENTORY.OS} ...

...

{INVENTORY.TAG}, {INVENTORY.ASSET.TAG}

Serial number A

Serial number B

Tag

Asset tag

MAC address A

# Built-in macros

Resolved only during the **event generation**

## Item macros

{ITEM.LASTVALUE\*}, {ITEM.LOG.\*}, {ITEM.VALUE\*}

Common use cases, extract:

- SNMP OIDs
- error codes

---

Tags

---

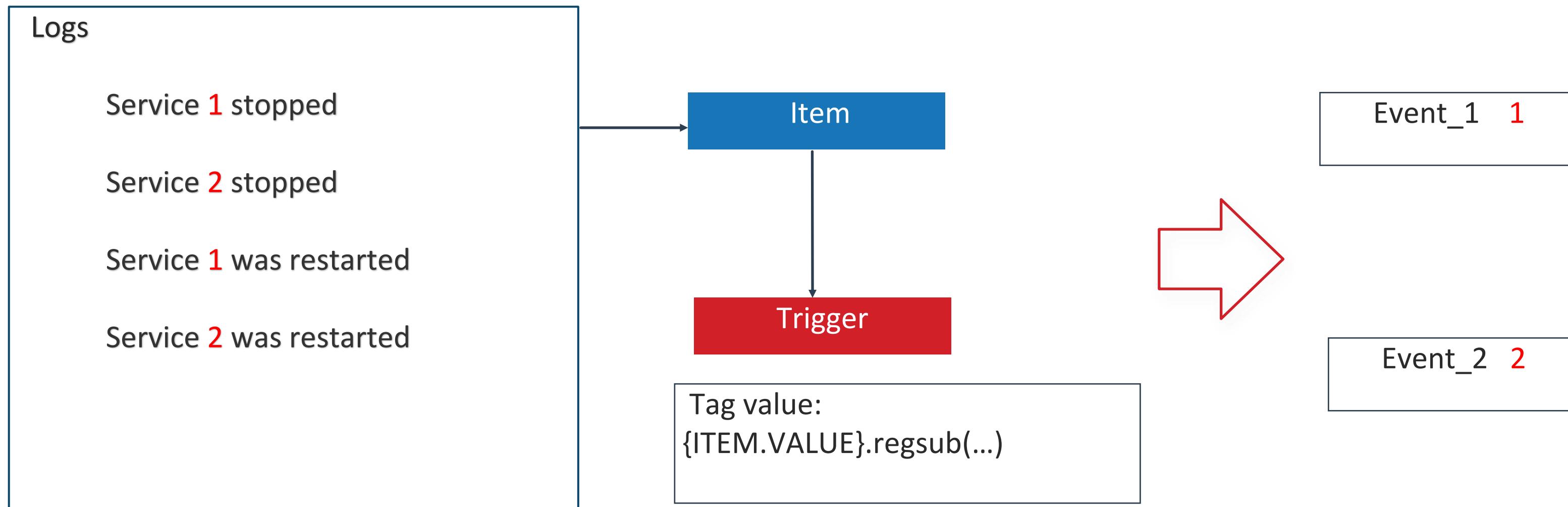
code: 404

code: 402

With the help of macro functions

{ITEM.VALUE}.**regsub**(pattern, output)}

# Event correlation



Events get **context** which is stored in the tag.

# Alerts

{EVENT.TAGS}

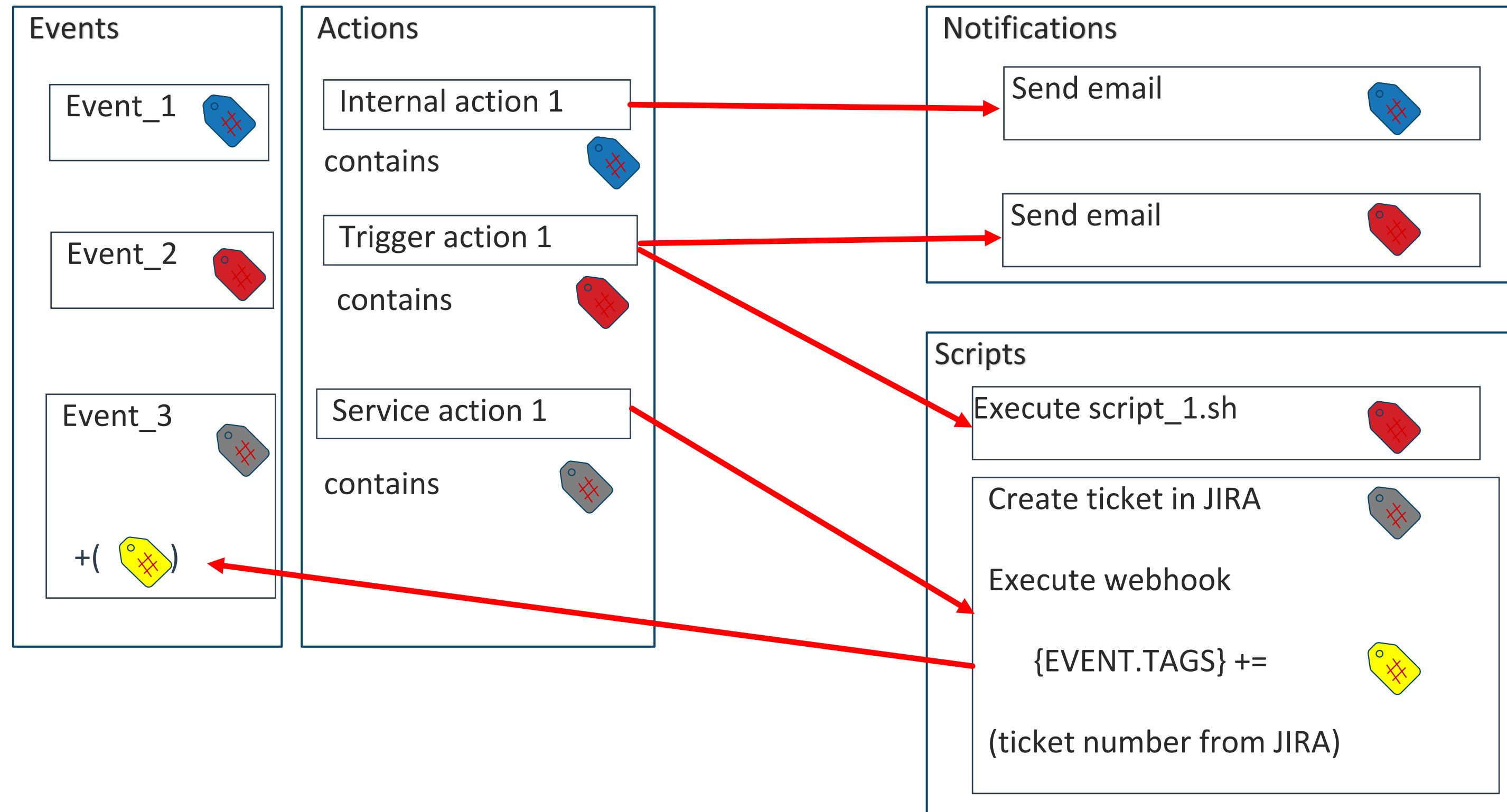
{EVENT.TAGSJSON}

{EVENT.TAGS<tag name>}



- Can be used in scripts/webhooks
- Can retrieve the Jira ticket number and attach it to the problem as a tag
- Communication channel + macros (notifications)

# Alerts



# Other use cases

- Aggregate functions
- Maintenance
- User groups access control



OCTOBER 8 • 10, 2025  
RIGA • LATVIA

# User groups access control

## User groups

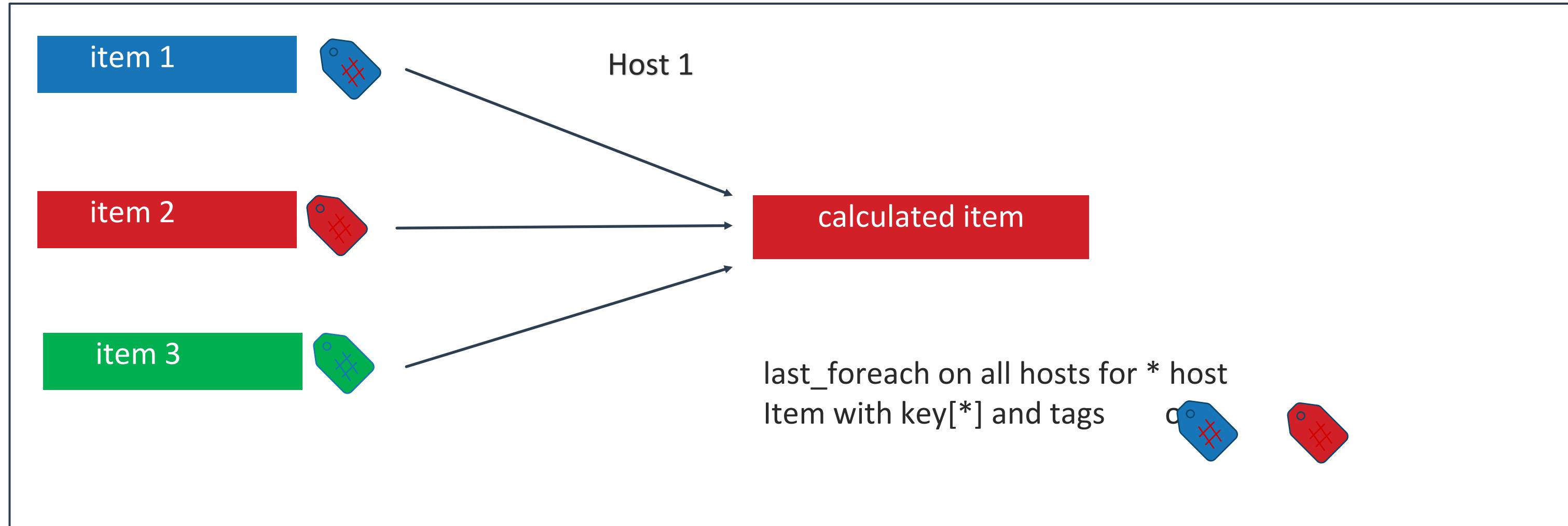
The screenshot shows the Zabbix User groups interface with a modal dialog titled "New tag filter". The dialog has two main sections: "Host groups" and "Tags".

- Host groups:** A search input field containing "Databases" with a "Select" button.
- Tags:** A table with columns "Tag" and "Value". It contains one row: "target" and "mysql". There is a "Remove" link next to the value and an "Add" button below the table.

At the bottom right of the dialog are "Add" and "Cancel" buttons.

Allow certain user groups to see problems (from particular host groups) according to tags.

## \_foreach functions



Calculated item, aggregate functions – avg, exists, count, etc. on selection of items.

# Maintenance

For triggers from  
multiple hosts for a  
particular tag...

## New maintenance period

\* Name

Maintenance type  With data collection  No data collection

\* Active since  

\* Active till  

\* Periods

Period type	Schedule	Period	Actions
Weekly	At 12:00 AM Saturday, Sunday of every 1 week	1h	<a href="#">Edit</a> <a href="#">Remove</a>

[Add](#)

Host groups    
type here to search

Hosts    
type here to search

\* At least one host group or host must be selected.

Tags  And/Or  Or

<input type="text" value="target"/>	Contains	Equals	<input type="text" value="vmware"/>	<a href="#">Remove</a>
-------------------------------------	----------	--------	-------------------------------------	------------------------

[Add](#)

# Inherited tags



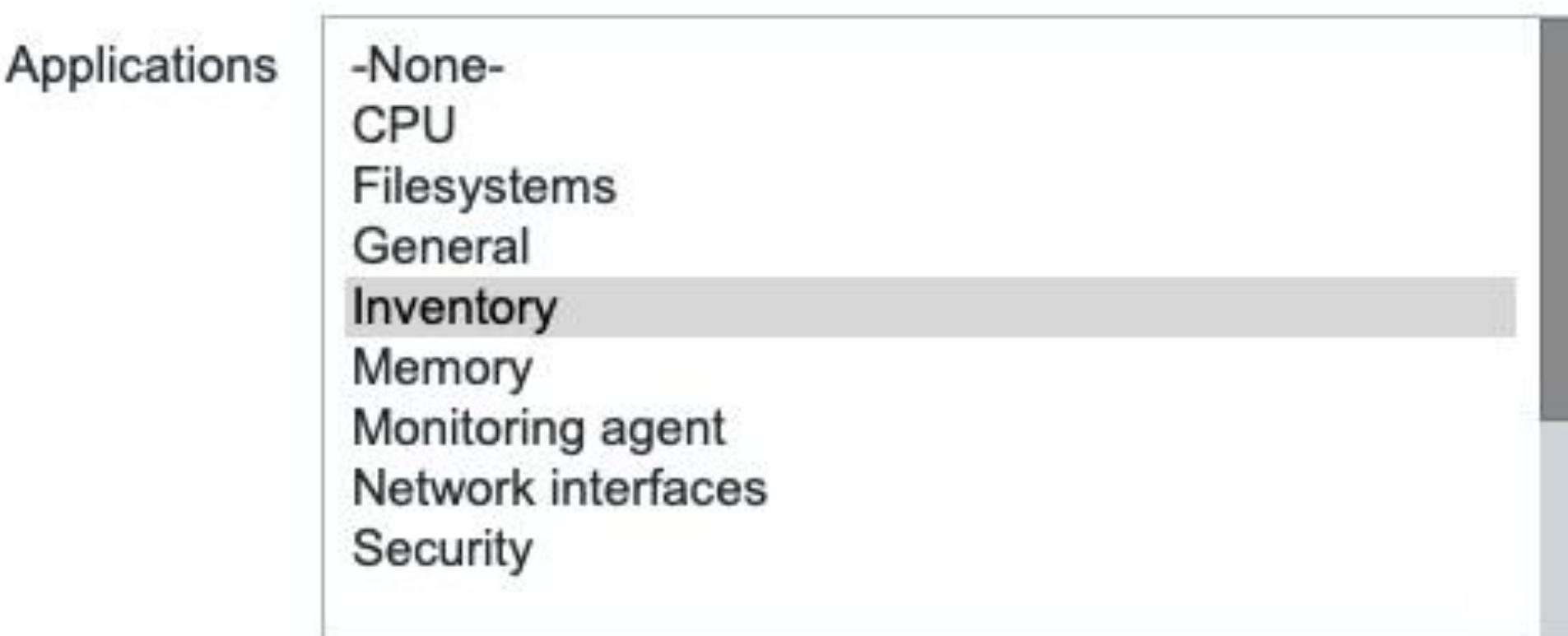
OCTOBER 8 • 10, 2025  
RIGA • LATVIA

# Applications

Legacy feature, Zabbix 5.0

Host with many templates – not a common use case.

Additional grouping to hosts.



# Item grouping - Tags vs. Applications vs. Hosts

## Applications

- Logical grouping of items
- Optional (item may not belong to any application)
- Single dimension - item can belong at most to one application

## Tags

- Logical grouping of items + events, triggers, hosts, templates, web scenarios
- Optional (item may not have any tags)
- Multidimensional - item can have many tags
- Filtering by key/value combinations

## Hosts

- Logical grouping of items
- Mandatory (item must belong to a host)
- Single dimension - item can belong at most to 1 host

## Template prefixes

Can't just search by name ? Zabbix 6.0 – Templates were made consistent.

Name of template added to items, triggers, graphs, hosts.

Host	Name ▲	Last check	Last value	Change	Tags
. Zabbix server	Acronis CPC: Get access token ?				component: authoriz...
. Zabbix server	Apache: Bytes per second ?	1s	8.09 KBps	+7.13 KBps	component: network
. Zabbix server	Apache: CPU utilization ?	3s	0 %		component: cpu
. Zabbix server	Apache: Get status ?	1s	{"Date":"Tue, 09 ...		component: raw
. Zabbix server	Apache: Memory usage (rss) ?	5s	0 B		component: memory

which allowed wildcard search.. But added lots of duplication...

7.0.0 - prefixes were removed - ZBXNEXT-8746 (result -> tags not available in notifications)

7.0.7 - prefixes were restored in ZBX-24866 but partially only for triggers..

## Inherited tags

Before Zabbix 8.0

No inherited tags from templates are shown...

## Templates

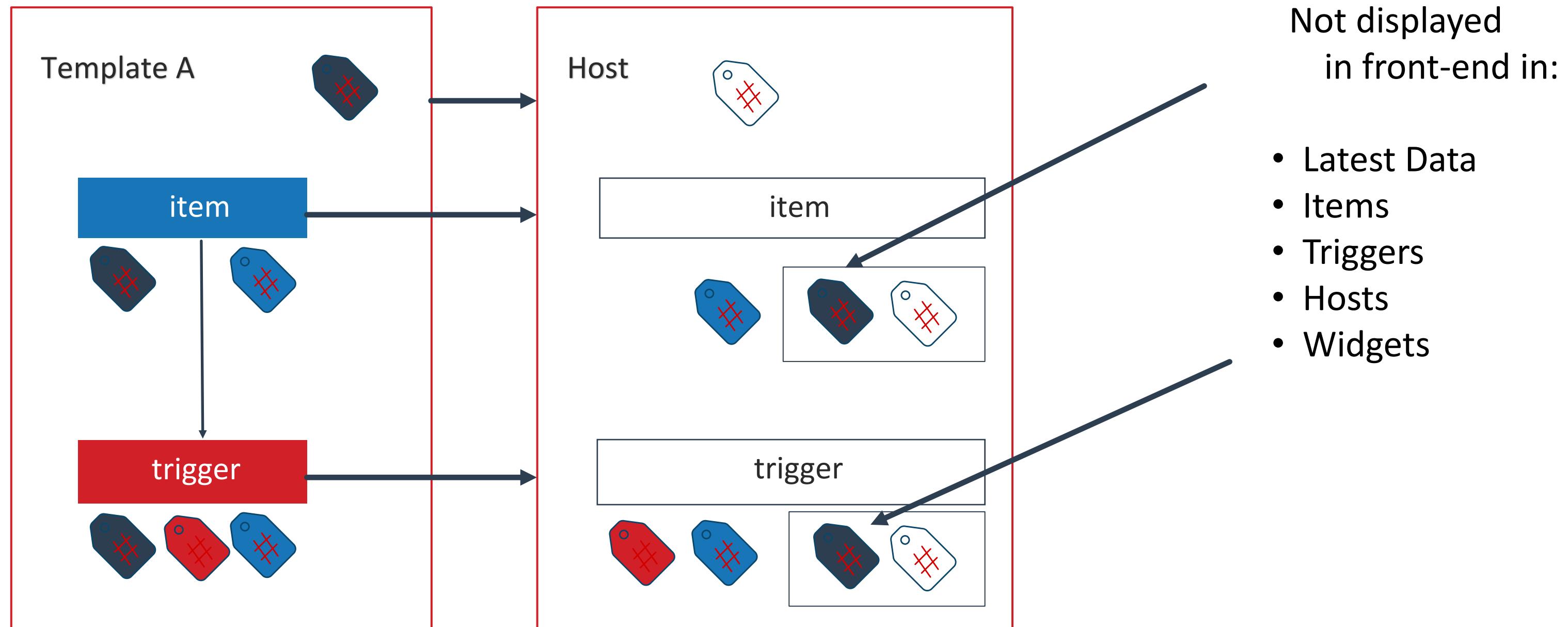
<input type="checkbox"/> Nginx by HTTP	Hosts	Items 13	Triggers 5	Graphs 3	Dashboards 1	Discovery	Web	<span>class: software target: nginx</span>
<input type="checkbox"/> Nginx by Zabbix agent	Hosts 1	Items 17	Triggers 6	Graphs 4	Dashboards 1	Discovery	Web	<span>class: software target: nginx</span>

## Items

<input type="checkbox"/>	Name ▲	Triggers	Key	Interval	History	Trends	Type	Status	Tags
<input type="checkbox"/>	... <a href="#">Nginx: Get stub status page: Nginx: Connections accepted per second</a>		nginx.connections.accepted.rate	7d	365d	Dependent item	Enabled	<span>component: connections</span>	
<input type="checkbox"/>	... <a href="#">Nginx: Get stub status page: Nginx: Connections active</a>		nginx.connections.active	7d	365d	Dependent item	Enabled	<span>component: connections</span>	

# Limitation

Before Zabbix 8.0 - ZBXNEXT-9546



# Inherited tags

Items display template tags (same with triggers)

Before

Items										
All hosts / Zabbix server		Enabled	ZBX	Items 118	Triggers 68	Graphs 8	Discovery rules 6	Web scenarios		
	Name	Triggers	Key	Interval	History	Trends	Type	Status	Tags	Info
<input type="checkbox"/>	... Linux by Zabbix agent: Available memory	Triggers 1	vm.memory.size[available]	1m	31d	365d	Zabbix agent	Enabled	component: memory	
<input type="checkbox"/>	... Linux by Zabbix agent: Available memory in %		vm.memory.size[pavailable]	1m	31d	365d	Zabbix agent	Enabled	component: memory	
<input type="checkbox"/>	... Linux by Zabbix agent: Checksum of /etc/passwd	Triggers 1	vfs.file.cksum[/etc/passwd,sha256]	15m	31d		Zabbix agent	Enabled	component: security	

Now

Items										
All hosts / Zabbix server		Enabled	ZBX	Items 76	Triggers 30	Graphs 16	Discovery rules 3	Web scenarios		
	Name	Triggers	Key	Interval	History	Trends	Type	Status	Tags	Info
<input type="checkbox"/>	... Linux by Zabbix agent: Available memory	Triggers 1	vm.memory.size[available]	1m	31d	365d	Zabbix agent	Enabled	class: os component: memory target: linux	
<input type="checkbox"/>	... Linux by Zabbix agent: Available memory in %		vm.memory.size[pavailable]	1m	31d	365d	Zabbix agent	Enabled	class: os component: memory target: linux	
<input type="checkbox"/>	... Linux by Zabbix agent: Checksum of /etc/passwd	Triggers 1	vfs.file.cksum[/etc/passwd,sha256]	15m	31d		Zabbix agent	Enabled	class: os component: security target: linux	

# Inherited tags

Host display template tags

Before

Hosts													?	Host Wizard	Create host	Import
	Name	Items	Triggers	Graphs	Discovery	Web	Interface	Proxy	Templates	Status	Availability	Agent encryption	Info	Tags		
<input type="checkbox"/>	Zabbix server	Items 43	Triggers 15	Graphs 8	Discovery 3	Web	127.0.0.1:10050		Linux by Zabbix agent	Enabled	ZBX	None				

Now

Hosts													?	Host Wizard	Create host	Import
	Name	Items	Triggers	Graphs	Discovery	Web	Interface	Proxy	Templates	Status	Availability	Agent encryption	Info	Tags		
<input type="checkbox"/>	Zabbix server	Items 77	Triggers 30	Graphs 16	Discovery 3	Web	127.0.0.1:10050		Linux by Zabbix agent	Enabled	ZBX	None		class: os target: linux		

# Inherited tags – Latest data

Before

Latest data

Subfilter affects only filtered data

HOSTS  
[Zabbix server](#) 43

TAGS  
[component](#) 43

TAG VALUES  
component: [application](#) 1 [cpu](#) 17 [environment](#) 1 [memory](#) 7 [os](#) 3 [raw](#) 1 [security](#) 1 [storage](#) 3 [system](#) 12

DATA  
[With data](#) [Without data](#)

Host	Name ▲	Last check	Last value	Change	Tags	Info
<input type="checkbox"/>	Zabbix server	Available memory	?		<a href="#">component: memory</a>	Graph
<input type="checkbox"/>	Zabbix server	Available memory in %	?		<a href="#">component: memory</a>	Graph
<input type="checkbox"/>	Zabbix server	Checksum of /etc/passwd			<a href="#">component: security</a>	History
<input type="checkbox"/>	Zabbix server	Context switches per second	?		<a href="#">component: cpu</a>	Graph
<input type="checkbox"/>	Zabbix server	CPU guest nice time	?		<a href="#">component: cpu</a>	Graph
<input type="checkbox"/>	Zabbix server	CPU guest time	?		<a href="#">component: cpu</a>	Graph
<input type="checkbox"/>	Zabbix server	CPU idle time	?		<a href="#">component: cpu</a>	Graph
<input type="checkbox"/>	Zabbix server	CPU interrupt time	?		<a href="#">component: cpu</a>	Graph

The screenshot shows the Zabbix interface for 'Latest data'. A red box highlights the 'Tags' column in the table, which lists various component tags such as 'component: memory', 'component: security', and multiple entries for 'component: cpu'. This indicates that the host 'Zabbix server' is assigned to these components.

# Inherited tags – Latest data

Now

Latest data

Subfilter affects only filtered data

HOSTS  
[Zabbix server](#) 76

TAGS  
class 75 component 75 disk 8 filesystem 14 fstype 14 interface 9 target 75

TAG VALUES

class:	<a href="#">os</a> 75
component:	<a href="#">application</a> 1 <a href="#">cpu</a> 17 <a href="#">environment</a> 1 <a href="#">memory</a> 7 <a href="#">network</a> 9 <a href="#">os</a> 3 <a href="#">raw</a> 4 <a href="#">security</a> 1 <a href="#">storage</a> 25 <a href="#">system</a> 12
disk:	<a href="#">vda</a> 8
filesystem:	<a href="#">/</a> 7 <a href="#">/boot</a> 7
fstype:	<a href="#">ext4</a> 14
interface:	<a href="#">enp0s1</a> 9
target:	<a href="#">linux</a> 75

STATE  
Normal 75 Not supported 1

DATA  
With data Without data

Host	Name ▲	Last check	Last value	Change	Tags	Info
<input type="checkbox"/>	<a href="#">Zabbix server</a> Available memory <a href="#">?</a>	47s	14.46 GB	+2.53 MB	<a href="#">class: os</a> <a href="#">component: memory</a> <a href="#">target: linux</a>	Graph
<input type="checkbox"/>	<a href="#">Zabbix server</a> Available memory in % <a href="#">?</a>	46s	92.7798 %	+0.01697 %	<a href="#">class: os</a> <a href="#">component: memory</a> <a href="#">target: linux</a>	Graph
<input type="checkbox"/>	<a href="#">Zabbix server</a> Checksum of /etc/passwd	37m 48s	a39059fb61ca333...		<a href="#">class: os</a> <a href="#">component: security</a> <a href="#">target: linux</a>	History

# Inherited tags – Tags menu

Now

Host

Host IPMI Tags 1 Macros Inventory Encryption Value mapping

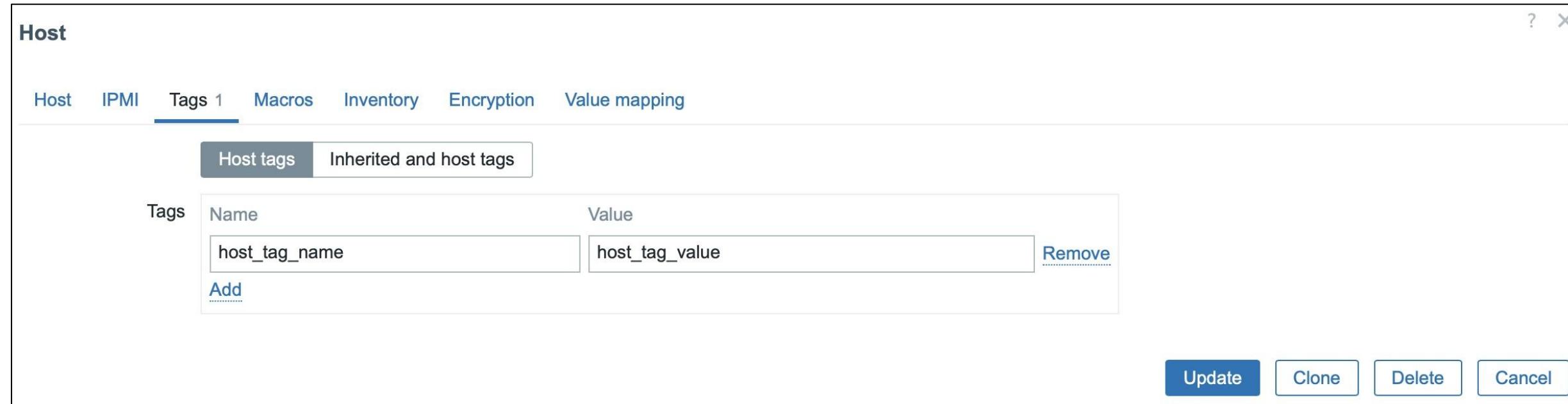
Host tags Inherited and host tags

Tags Name Value

host_tag_name	host_tag_value	Remove
---------------	----------------	--------

Add

Update Clone Delete Cancel



Host

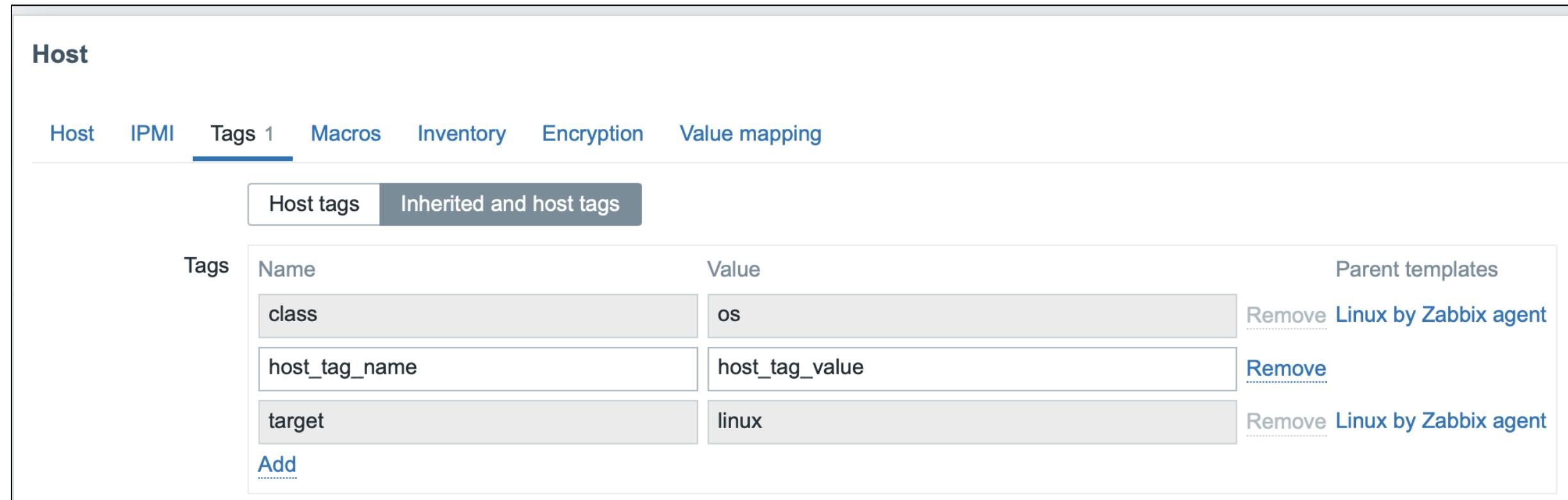
Host IPMI Tags 1 Macros Inventory Encryption Value mapping

Host tags Inherited and host tags

Tags Name Value Parent templates

class	os	Remove Linux by Zabbix agent
host_tag_name	host_tag_value	Remove
target	linux	Remove Linux by Zabbix agent

Add



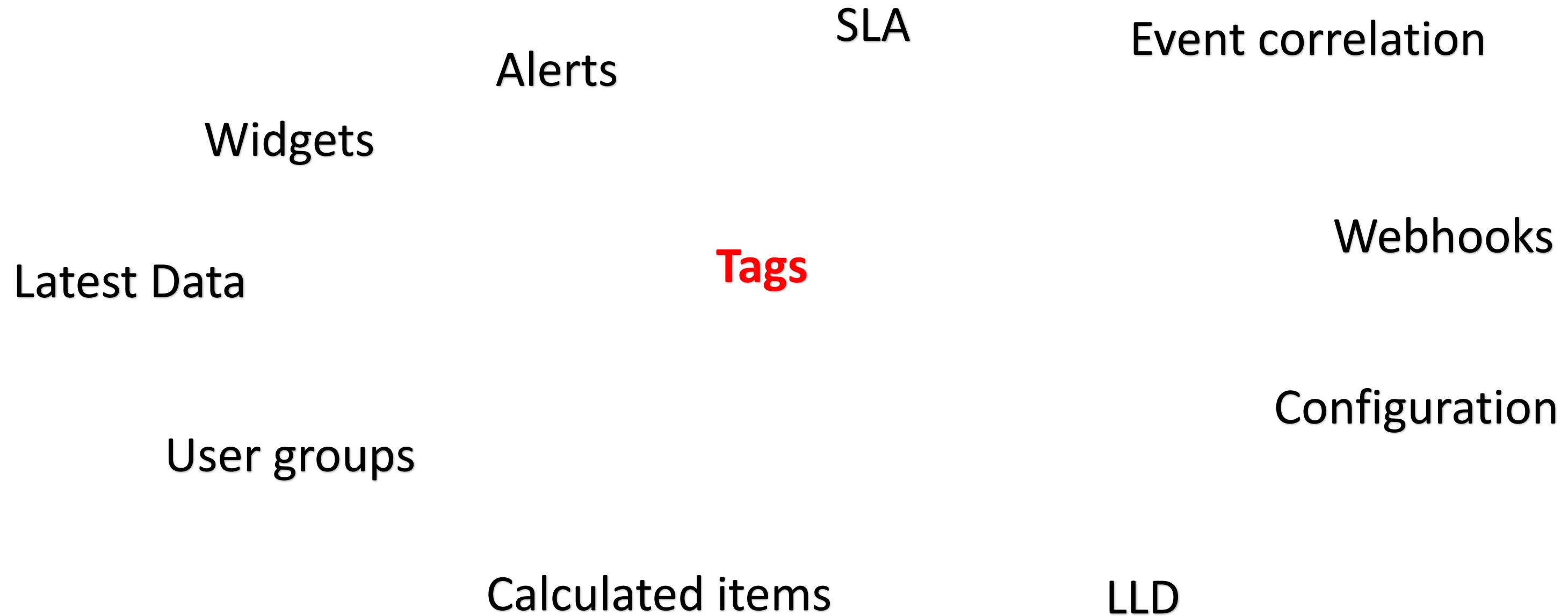
# Tag naming policy



OCTOBER 8 • 10, 2025  
RIGA • LATVIA

# Tag naming policy

Tags bind together most components of Zabbix!



## Tag naming policy

### Grouping:

- Events
- Configurations
- Metric data

### According to:

- Zabbix features
- Your **unique business environment**

# Tag naming policy - possible suggestions

- **Location** – Asia-Pacific, US West Side, BRST, Room 404, ... (consider host, host group)

Can use emojis - BR MX JP US LV

- **Departments** – accountancy, HR, security ...
- **IT services** – DNS, HTTP, SSH, .... (consider SLA)
- **Software release cycles** – Production, QA, Dev, ...
- **Versions of the product** – MariaDB 12.1, Apache 2.4.4, ...

## Tag naming policy

Zabbix template naming guidelines

Template: class -> database, network, os, power, etc.

Items: component -> memory, network, software, etc.

Triggers: scope -> performance, security, availability, etc.

Guidelines on creating templates

<https://www.zabbix.com/documentation/guidelines/en/hosts>

## Links

Tagging documentation

<https://www.zabbix.com/documentation/7.4/en/manual/config/tagging>

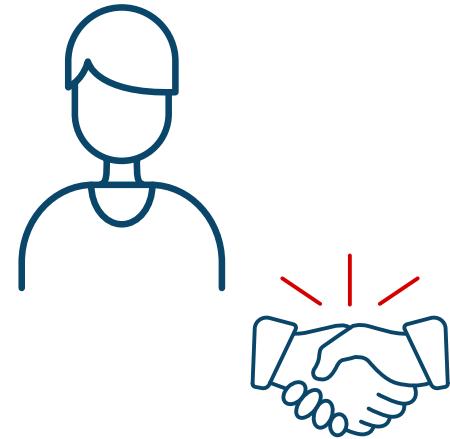
Built-in macros

[https://www.zabbix.com/documentation/current/en/manual/appendix/macros/supported\\_by\\_location](https://www.zabbix.com/documentation/current/en/manual/appendix/macros/supported_by_location)

Initmax presentation on tags in Zabbix 6.0

<https://www.initmax.cz/wp-content/uploads/2022/05/power-of-tags-6.0.pdf>

# Tags are your friends



Tags

Name	Value
server health status	🔥

A screenshot of a user interface showing a table titled "Tags". The table has two columns: "Name" and "Value". There is one row visible, which contains the text "server health status" in the "Name" column and a small orange flame icon in the "Value" column. A blue line connects the "server health status" text to a red tag icon above it. Another blue line connects the orange flame icon to the same red tag icon. The red tag icon has a red "X" mark through it, indicating that the current value is problematic or critical.