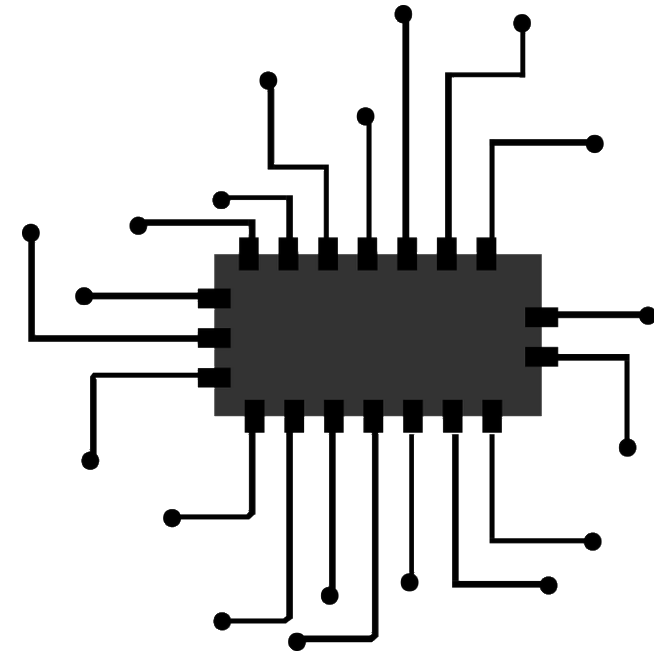


Keeping things structured within Zabbix



Who am I?

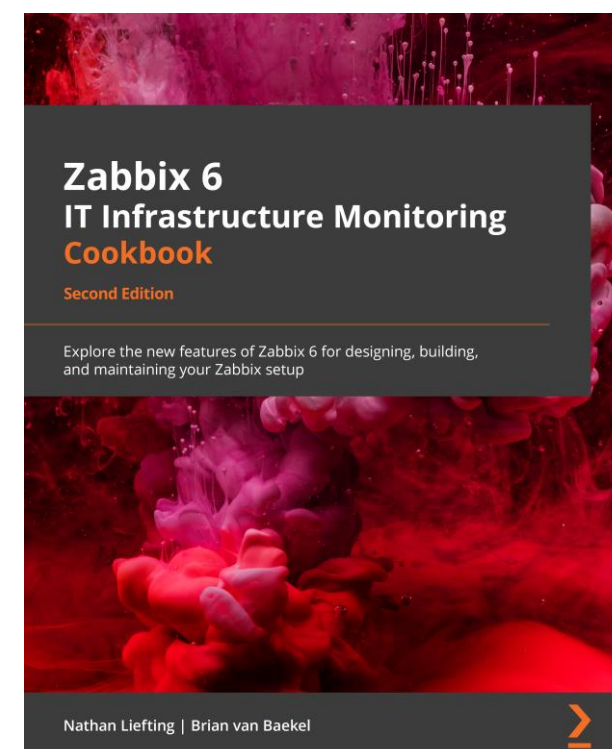
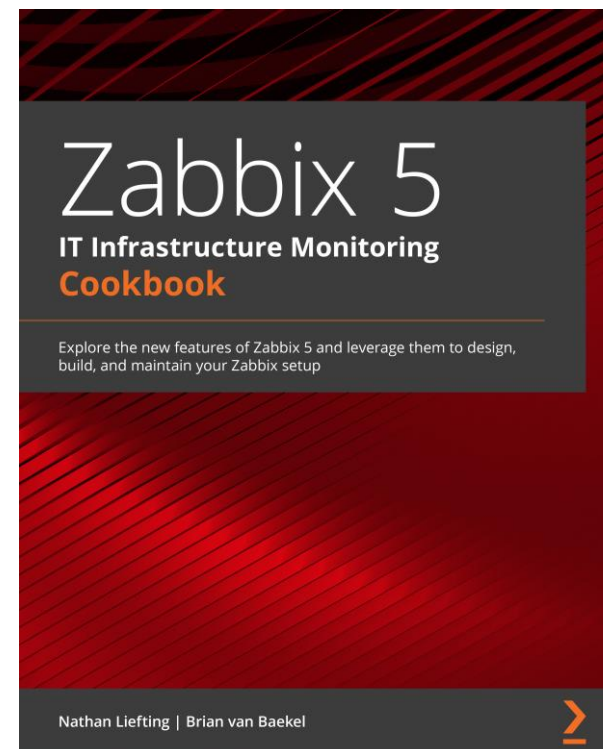


Nathan Liefing
Zabbix Consultant / Trainer



Opensource ICT Solutions

- Zabbix support
- Zabbix training
- Zabbix consultancy
- And more...



<https://www.linkedin.com/company/opensource-ict-solutions/>



Introduction

- Data is the new gold.. But only if you know where to find it.
- Common Zabbix issue: “Monitoring Fatigue”
The term used to describe what happens if we do not structure our monitoring systems correctly and our users ‘refuse’ to use it as they should.
- The solution? Utilizing best practices and good structure!



1 – The basics

- Host groups
- Host names
- Template groups
- Template names
- Tags
- Business service monitoring

First thing to do after architecture

Stick with what you have

New in 6.2

Changed.. YET AGAIN?

More important than ever before

Tags, tags and some more tags



Host groups

- Name ▲
- Applications
- Databases
- Discovered hosts
- Hypervisors
- Linux servers
- Virtual machines
- Zabbix servers

- Name ▲
- Applications
- Applications/Databases
- Applications/Databases/MariaDB
- Discovered hosts
- Servers/Hardware
- Servers/Hypervisors
- Servers/OS
- Servers/OS/Linux
- Servers/OS/Windows
- Servers/Virtual machines
- Zabbix/Databases
- Zabbix/Frontends
- Zabbix/Proxies
- Zabbix/Servers



Host groups

- Name ▲

- Applications

- Applications/Databases

- Applications/Databases/MariaDB



- Name ▲

- Applications

- Applications/DB

- Applications/DB/MariaDB



- Name ▲

- App

- App/DB

- App/DB/MariaDB



Host groups

User group **Template permissions** Host permissions Problem tag filter

* Group name

User group **Template permissions** **Host permissions** Problem tag filter

Permissions	Host group	Permissions
	All groups	None

type here to search

Include subgroups

[Add](#)

User group **Template permissions** Host permissions Problem tag filter

* Group name

User group **Template permissions** **Host permissions** Problem tag filter

Permissions	Host group	Permissions
	All groups	None

type here to search

Include subgroups

[Add](#)



Host groups

Action Operations

* Name

Conditions

Label	Name	Action
A	Host group equals <i>Applications/DB</i>	Remove

[Add](#)

Action **Operations 1**

* Default operation step duration

Operations

Steps	Details	Start in	Duration	Action
1	Send message to users: Media user: Database administrators via MS Teams	Immediately	Default	Edit Remove

[Add](#)



Host groups

The screenshot shows the Zabbix Host Groups configuration page. It features a search bar at the top right labeled 'Filter' with a dropdown arrow. The main configuration area is divided into several sections:

- Host groups:** A search box containing 'Servers/OS x' and a 'Select' button.
- Templates:** A search box with the placeholder 'type here to search' and a 'Select' button.
- Name, DNS, IP, Port:** Four empty text input fields for specifying host details.
- Monitored by:** A set of radio buttons with 'Any' selected, and options for 'Server' and 'Proxy'.
- Proxy:** A search box with a 'Select' button.
- Tags:** Radio buttons for 'And/Or' (selected) and 'Or'. Below them is a tag configuration row with a 'tag' input, a 'Contains' dropdown, a 'value' input, and a 'Remove' link. An 'Add' link is positioned below the tag input.

At the bottom of the configuration area, there are 'Apply' and 'Reset' buttons.

- Configuration | Hosts
- Monitoring | Hosts
- Dashboard widgets

- Monitoring | Problems
- Maps
- Maintenance

- Zabbix API
- And more...



Host names



<input type="checkbox"/>	Name ▲	Items	Triggers	Graphs	Discovery	Web	Interface	Proxy	Templates	Status	Availability	Agent encryption	Info	Tags
<input type="checkbox"/>	Zabbix server	Items 125	Triggers 69	Graphs 25	Discovery 4	Web	127.0.0.1:10050		Linux by Zabbix agent, Zabbix server health	Enabled	ZBX	None		

Displaying 1 of 1 found



<input type="checkbox"/>	Name ▲	Items	Triggers	Graphs	Discovery	Web	Interface	Proxy	Templates	Status	Availability	Agent encryption	Info	Tags
<input type="checkbox"/>	summit-zbx-01	Items 125	Triggers 69	Graphs 25	Discovery 4	Web	192.168.0.127:10050		Linux by Zabbix agent, Zabbix server health	Enabled	ZBX	None		
<input type="checkbox"/>	summit-zbxdb-01	Items 90	Triggers 25	Graphs 14	Discovery 6	Web	192.168.0.126:10050		Linux by Zabbix agent, MySQL by Zabbix agent 2	Enabled	ZBX	None		

Displaying 2 of 2 found

- Stick with what you know, use the actual hostname of your devices
- Keep it short, keep it descriptive, think of all the Zabbix users.



Host names



<input type="checkbox"/>	Name ▲	Items	Triggers	Graphs	Discovery	Web	Interface	Proxy	Templates	Status	Availability	Agent encryption	Info	Tags
<input type="checkbox"/>	mssql01	Items	Triggers	Graphs	Discovery	Web		customer1-proxy-1		Enabled		None		
<input type="checkbox"/>	mssql01	Items	Triggers	Graphs	Discovery	Web		customer2-proxy-1		Enabled		None		

Displaying 2 of 2 found



<input type="checkbox"/>	Name ▲	Items	Triggers	Graphs	Discovery	Web	Interface	Proxy	Templates	Status	Availability	Agent encryption	Info	Tags
<input type="checkbox"/>	BUF mssql01	Items	Triggers	Graphs	Discovery	Web		customer1-proxy-1		Enabled		None		
<input type="checkbox"/>	OIC mssql01	Items	Triggers	Graphs	Discovery	Web		customer2-proxy-1		Enabled		None		

Displaying 2 of 2 found

Filter

Host groups

Templates

Name

DNS

IP

Port

Monitored by

Proxy

Tags

<input type="checkbox"/>	Name ▲	Items	Triggers	Graphs	Discovery	Web	Interface	Proxy	Templates	Status	Availability	Agent encryption	Info	Tags
<input type="checkbox"/>	BUF mssql01	Items	Triggers	Graphs	Discovery	Web		customer1-proxy-1		Enabled		None		
<input type="checkbox"/>	OIC mssql01	Items	Triggers	Graphs	Discovery	Web		customer2-proxy-1		Enabled		None		

Displaying 2 of 2 found



Host names



Host IPMI Tags Macros Inventory Encryption Value mapping

* Host name

Visible name



Host IPMI Tags Macros Inventory Encryption Value mapping

* Host name

Visible name



Host IPMI Tags Macros Inventory Encryption Value mapping

* Host name

Visible name



Host IPMI Tags Macros Inventory Encryption Value mapping

* Host name

Visible name



Template groups

- Zabbix 6.2!
- Already have subgroups
- Add more levels if required
- Useful for permissions
- Keep the name short and descriptive
- No more confusion with host groups

<input type="checkbox"/>	Name ▲	
<input type="checkbox"/>	Templates	
<input type="checkbox"/>	Templates/Applications	62
<input type="checkbox"/>	Templates/Cloud	1
<input type="checkbox"/>	Templates/Databases	19
<input type="checkbox"/>	Templates/Modules	62
<input type="checkbox"/>	Templates/Network devices	107
<input type="checkbox"/>	Templates/Operating systems	13
<input type="checkbox"/>	Templates/Power	11
<input type="checkbox"/>	Templates/SAN	6
<input type="checkbox"/>	Templates/Server hardware	22
<input type="checkbox"/>	Templates/Telephony	1
<input type="checkbox"/>	Templates/Video surveillance	1
<input type="checkbox"/>	Templates/Virtualization	



Template names

Template OS Linux by Zabbix agent

Zabbix 5.0 Template OS Linux by Zabbix agent active

Template OS Linux SNMP

Unnecessary prefix

The useful part

Type indicator
replaced with tags

ZBXNEXT-7949

GridGain by JMX

← “by JMX”

Chassis by IPMI

← “by IPMI”

Apache by HTTP

← “by HTTP”

Asterisk by HTTP

← “by HTTP”

Linux by Zabbix agent active

← “by Zabbix agent active”

Linux SNMP

← just “SNMP” ??

Let's forget about the
“by” for SNMP...

Linux by Zabbix agent

class: os target: linux

Zabbix 6.2

Linux by Zabbix agent active

class: os target: linux

Linux SNMP

class: os target: linux

The useful part

Type indicator
now as tags



Template names

Templates Tags 2 Macros 28 Value mapping 4

* Template name

Visible name

Templates

* Template groups

Templates Tags 2 Macros 28 Value mapping 4

* Template name

Visible name

Templates

* Template groups





How To

Tags in Zabbix 6.0 LTS – Usage, subfilters and guidelines



By Andrey Biba — February 18, 2022

<https://blog.zabbix.com/tags-in-zabbix-6-0-lts-usage-subfilters-and-guidelines/19565/>



Tags: Templates

<input type="checkbox"/> Name ▲	Tags
<input type="checkbox"/> TP-LINK SNMP	class: network target: tp-link
<input type="checkbox"/> Ubiquiti AirOS SNMP	class: network target: aios target: ubiquiti
<input type="checkbox"/> VMWare SD-WAN VeloCloud by HTTP	class: network target: vmware-sd-wa...
<input type="checkbox"/> Windows by Zabbix agent	class: os target: windows
<input type="checkbox"/> Windows by Zabbix agent active	class: os target: windows
<input type="checkbox"/> Windows SNMP	class: os target: windows
<input type="checkbox"/> ZYXEL AAM1212-51 IES-612 SNMP	class: network target: aam1212-51 target: dslam target: zyxel

class: What are we monitoring? 'Network equipment', 'Operating systems', 'Hardware', 'a Database'?

target: What is the Vendor, Type or indicator of which kind of equipment we are monitoring.



Tags: Items

<input type="checkbox"/>	Name ▲	Key	Tags
<input type="checkbox"/>	... Available memory	vm.memory.size[available]	component: memory
<input type="checkbox"/>	... Available memory in %	vm.memory.size[pavailable]	component: memory
<input type="checkbox"/>	... Checksum of /etc/passwd	vfs.file.cksum[/etc/passwd,sha256]	component: environment
<input type="checkbox"/>	... Context switches per second	system.cpu.switches	component: cpu
<input type="checkbox"/>	... Free swap space in %	system.swap.size[,pfree]	component: memory component: storage
<input type="checkbox"/>	... Host name of Zabbix agent running	agent.hostname	component: system

component: “a part or element of a larger whole, especially a part of a computer, machine or vehicle.”



Tags: Items

Template: Linux by Zabbix agent

<input type="checkbox"/>	...	Network interface discovery : Interface ens192: Bits received	net.if.in["ens192"]	<code>component: network</code> <code>interface: ens192</code>
<input type="checkbox"/>	...	Network interface discovery : Interface ens192: Bits sent	net.if.out["ens192"]	<code>component: network</code> <code>interface: ens192</code>
<input type="checkbox"/>	...	Network interface discovery : Interface ens192: Inbound packets discarded	net.if.in["ens192",dropped]	<code>component: network</code> <code>interface: ens192</code>
<input type="checkbox"/>	...	Network interface discovery : Interface lo: Bits received	net.if.in["lo"]	<code>component: network</code> <code>interface: lo</code>
<input type="checkbox"/>	...	Network interface discovery : Interface lo: Bits sent	net.if.out["lo"]	<code>component: network</code> <code>interface: lo</code>
<input type="checkbox"/>	...	Network interface discovery : Interface lo: Inbound packets discarded	net.if.in["lo",dropped]	<code>component: network</code> <code>interface: lo</code>



Tags: Triggers

scope : **availability**
scope : **performance**
scope : **notice**
scope : **security**
scope : **capacity**

Template: Linux by Zabbix agent

<input type="checkbox"/>	Warning	High swap space usage Depends on: Linux by Zabbix agent: High memory utilization Linux by Zabbix agent: Lack of available memory	scope: capacity
<input type="checkbox"/>	Information	System name has changed	scope: notice scope: security
<input type="checkbox"/>	Warning	System time is out of sync	scope: availability scope: performance
<input type="checkbox"/>	Average	Zabbix agent is not available	scope: availability



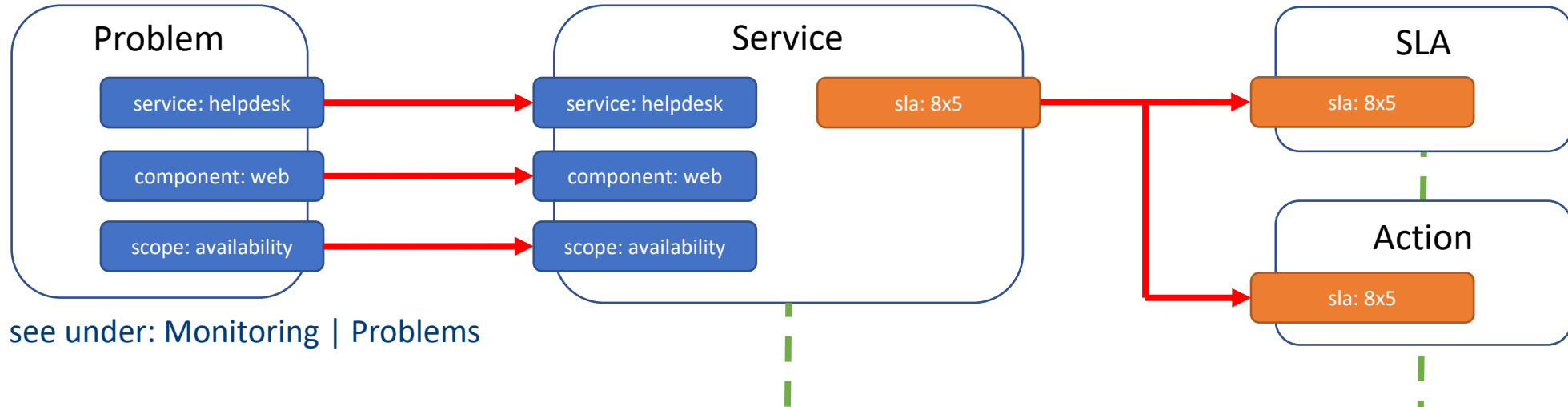
Tags: Together

- Host** tags: Groups certain hosts together as well as provide information
A “service:” tag might be applied to inform about the services running on this host.
- Template** tags: Groups specific templates together as well as provide information
- Item** tags: Groups specific items together as well as provide information
- Trigger** tags: Provides information about the triggers purpose

Severity	Host	Problem	Tags
Average	summit-zbxdb-01	Zabbix agent is not available (for 3m) ?	<code>class: os</code> <code>component: system</code> <code>scope: availability</code> <code>target: linux</code>
Average	summit-zbx-01	Interface ens192: Link down ?	<code>class: os</code> <code>component: network</code> <code>interface: ens192</code> <code>scope: availability</code> <code>target: linux</code>



Business Service Monitoring



The Tags we see under: Monitoring | Problems

Service Tags Child services

Name Helpdesk website

Parent services type here to search Select

Problem tags

Name	Operation	Value	Action
service	Equals	helpdesk	Remove
component	Equals	web	Remove
scope	Equals	availability	Remove

Add

Service Tags 1 Child services

Tags

Name	Value	Action
sla	8x5	Remove

Add



Business Service Monitoring

Configured Service:

<input type="checkbox"/> Name	Status	Root cause	Created at	Tags
<input type="checkbox"/> Helpdesk website	OK		2022-08-30	sla: 8x5

Service SLA:

SLA Excluded downtimes

* Name

* SLO %

Reporting period Daily Weekly Monthly Quarterly Annually

Time zone

Schedule 24x7 Custom

<input type="checkbox"/> Sunday	8:00-17:00, ...
<input checked="" type="checkbox"/> Monday	09:00-17:30
<input checked="" type="checkbox"/> Tuesday	09:00-17:30
<input checked="" type="checkbox"/> Wednesday	09:00-17:30
<input checked="" type="checkbox"/> Thursday	09:00-17:30
<input checked="" type="checkbox"/> Friday	09:00-17:30
<input type="checkbox"/> Saturday	8:00-17:00, ...

* Effective date

* Service tags

Name	Operation	Value	Action
<input type="text" value="sla"/>	<input type="text" value="Equals"/>	<input type="text" value="8x5"/>	Remove

[Add](#)

Service Action:

Action Operations

* Name

Type of calculation A and B

Label	Name	Action
A	Service equals <i>Helpdesk website</i>	Remove
B	Value of tag <i>sla</i> equals <i>8x5</i>	Remove

[Add](#)



2 – Also very important

- Item names
- Trigger names
- Low Level Discovery (LLD)

A good item name makes the item easy to find.

Short, descriptive and immediately hinting at what to do or look for.

Completely based on structure



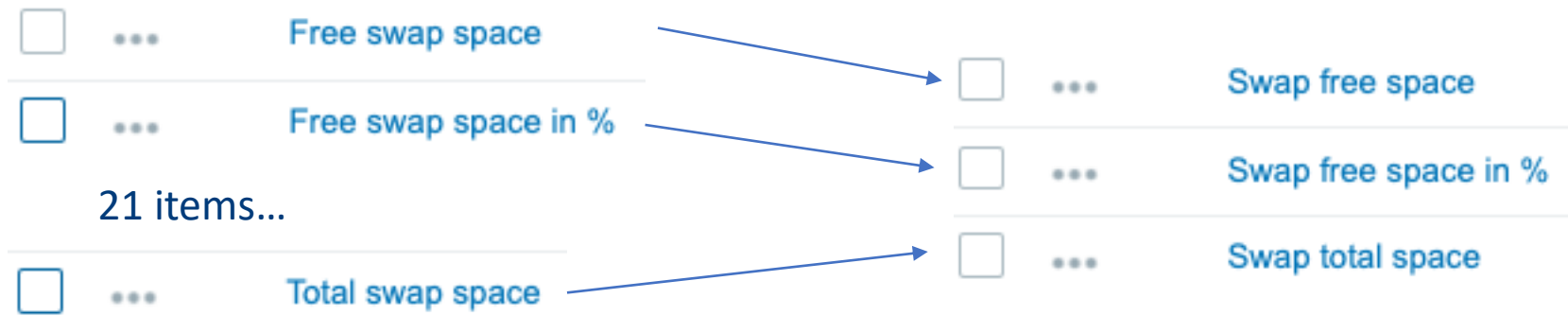
Item names

<input checked="" type="checkbox"/>	item name	Available memory ?
<input checked="" type="checkbox"/>	item name	Available memory in % ?
<input type="checkbox"/>	item name	Checksum of /etc/passwd
<input type="checkbox"/>	item name	Context switches per second
<input checked="" type="checkbox"/>	item name	CPU nice time ?
<input checked="" type="checkbox"/>	item name	CPU utilization ?
<input type="checkbox"/>	item name	Free swap space ?
<input type="checkbox"/>	item name	Free swap space in % ?
<input checked="" type="checkbox"/>	item name	Guest CPU nice time ?
<input checked="" type="checkbox"/>	item name	Guest CPU time ?
<input type="checkbox"/>	item name	Host name of Zabbix agent running
<input checked="" type="checkbox"/>	item name	Idle CPU time ?
<input type="checkbox"/>	item name	Interface ens192: Bits received
<input type="checkbox"/>	item name	Interface lo: Outbound packets with errors
<input type="checkbox"/>	item name	Interface lo: Speed ?
<input checked="" type="checkbox"/>	item name	Interrupt CPU time ?
<input type="checkbox"/>	item name	Interrupts per second
<input checked="" type="checkbox"/>	item name	lowait CPU time ?

<input type="checkbox"/>	item name right	Checksum of /etc/passwd
<input type="checkbox"/>	item name right	Context switches per second
<input checked="" type="checkbox"/>	item name right	CPU count
<input checked="" type="checkbox"/>	item name right	CPU guest nice time ?
<input checked="" type="checkbox"/>	item name right	CPU guest time ?
<input checked="" type="checkbox"/>	item name right	CPU idle time ?
<input checked="" type="checkbox"/>	item name right	CPU interrupt time ?
<input checked="" type="checkbox"/>	item name right	CPU iowait time ?
<input checked="" type="checkbox"/>	item name right	CPU load average (1m avg)
<input checked="" type="checkbox"/>	item name right	CPU load average (5m avg)
<input checked="" type="checkbox"/>	item name right	CPU load average (15m avg)
<input checked="" type="checkbox"/>	item name right	CPU nice time ?
<input checked="" type="checkbox"/>	item name right	CPU softirq time ?
<input checked="" type="checkbox"/>	item name right	CPU steal time ?
<input checked="" type="checkbox"/>	item name right	CPU system time ?
<input checked="" type="checkbox"/>	item name right	CPU user time ?
<input checked="" type="checkbox"/>	item name right	CPU utilization ?



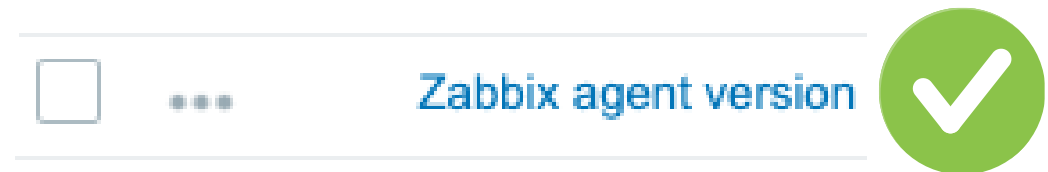
Item names



Item names



- Reading is the enemy of layer 8
- Even one word can mean a difference
- Thus: Short names == Less issues



Trigger names

- What is wrong?

Average Zabbix agent is not available
(for {\$AGENT.TIMEOUT})



Average The Zabbix agent has been unavailable for 5 minutes on {HOST.HOST}



- Where did it go wrong?

Time	Severity	Recovery time	Status	Info	Host	Problem	Duration	Ack	Actions	Tags
10:16:09	<input type="checkbox"/> Average		PROBLEM		summit-linux-02	Zabbix agent is not available (for 3m) ?	30s	No	1	class: os component: system scope: availability ...



Time	Severity	Recovery time	Status	Info	Host	Problem	Duration	Ack	Actions	Tags
10:24:09	<input type="checkbox"/> Average		PROBLEM		summit-linux-02	The Zabbix agent has been unavailable for 5 minutes on summit-linux-02 ?	46s	No	1	class: os component: system scope: availability ...



- How am I fixing it?



Trigger names

- How am I fixing it?

Description For active agents, nodata() with agent.ping is used with {\$AGENT.NODATA_TIMEOUT} as time threshold.

Average

PROBLEM

summit-linux-01

Zabbix agent is not available (for 3m) ?

4m 17s

No

1

class: os c

For passive only agents, host availability is used with 3m as time threshold.

URL https://COMPANY.atlassian.net/wiki/agent_unavailable

Average

PROBLEM

summit-linux-01

Zabbix agent is not available (for 3m) ?

TRIGGER

Problems

Configuration

LINKS

Trigger URL



Low Level Discovery (LLD)



Discovery rule Preprocessing LLD macros Filters 12 Overrides

* Name

Type

* Key

* SNMP OID





Discovery rule Preprocessing LLD macros Filters 12 Overrides

* Name

Type

* Key

* SNMP OID



Low Level Discovery (LLD)

All templates / Linux SNMP / Discovery list / Network interfaces discovery

<input type="checkbox"/>	Name ▲
<input type="checkbox"/>	... Interface {#IFNAME}{#IFALIAS}: Bits received
<input type="checkbox"/>	... Interface {#IFNAME}{#IFALIAS}: Bits sent
<input type="checkbox"/>	... Interface {#IFNAME}{#IFALIAS}: Inbound packets discarded
<input type="checkbox"/>	... Interface {#IFNAME}{#IFALIAS}: Inbound packets with errors
<input type="checkbox"/>	... Interface {#IFNAME}{#IFALIAS}: Interface type
<input type="checkbox"/>	... Interface {#IFNAME}{#IFALIAS}: Operational status
<input type="checkbox"/>	... Interface {#IFNAME}{#IFALIAS}: Outbound packets discarded
<input type="checkbox"/>	... Interface {#IFNAME}{#IFALIAS}: Outbound packets with errors
<input type="checkbox"/>	... Interface {#IFNAME}{#IFALIAS}: Speed

<input type="checkbox"/>	... Network interfaces discovery : Interface ens192(): Bits received
<input type="checkbox"/>	... Network interfaces discovery : Interface ens192(): Bits sent
<input type="checkbox"/>	... Network interfaces discovery : Interface ens192(): Inbound packets discarded
<input type="checkbox"/>	... Network interfaces discovery : Interface ens192(): Inbound packets with errors
<input type="checkbox"/>	... Network interfaces discovery : Interface ens192(): Interface type
<input type="checkbox"/>	... Network interfaces discovery : Interface ens192(): Operational status
<input type="checkbox"/>	... Network interfaces discovery : Interface ens192(): Outbound packets discarded
<input type="checkbox"/>	... Network interfaces discovery : Interface ens192(): Outbound packets with errors
<input type="checkbox"/>	... Network interfaces discovery : Interface ens192(): Speed
<input type="checkbox"/>	... Network interfaces discovery : Interface lo(): Bits received
<input type="checkbox"/>	... Network interfaces discovery : Interface lo(): Bits sent
<input type="checkbox"/>	... Network interfaces discovery : Interface lo(): Inbound packets discarded
<input type="checkbox"/>	... Network interfaces discovery : Interface lo(): Inbound packets with errors
<input type="checkbox"/>	... Network interfaces discovery : Interface lo(): Interface type
<input type="checkbox"/>	... Network interfaces discovery : Interface lo(): Operational status
<input type="checkbox"/>	... Network interfaces discovery : Interface lo(): Outbound packets discarded
<input type="checkbox"/>	... Network interfaces discovery : Interface lo(): Outbound packets with errors
<input type="checkbox"/>	... Network interfaces discovery : Interface lo(): Speed



Low Level Discovery (LLD)

<input type="checkbox"/>	Severity	Value	Name ▲	Operational data
<input type="checkbox"/>	Information	OK	Network interfaces discovery: Interface ens192(): Ethernet has changed to lower speed than it was before Depends on: summit-zbx-01 snmp: Interface ens192(): Link down	Current reported speed: {ITEM.LASTVALUE1}
<input type="checkbox"/>	Warning	OK	Network interfaces discovery: Interface ens192(): High bandwidth usage Depends on: summit-zbx-01 snmp: Interface ens192(): Link down	In: {ITEM.LASTVALUE1}, out: {ITEM.LASTVALUE3}, speed: {ITEM.LASTVALUE2}
<input type="checkbox"/>	Warning	OK	Network interfaces discovery: Interface ens192(): High error rate Depends on: summit-zbx-01 snmp: Interface ens192(): Link down	errors in: {ITEM.LASTVALUE1}, errors out: {ITEM.LASTVALUE2}
<input type="checkbox"/>	Warning	OK	EtherLike-MIB Discovery: Interface ens192(): In half-duplex mode	
<input type="checkbox"/>	Average	OK	Network interfaces discovery: Interface ens192(): Link down	Current state: {ITEM.LASTVALUE1}
<input type="checkbox"/>	Information	OK	Network interfaces discovery: Interface lo(): Ethernet has changed to lower speed than it was before Depends on: summit-zbx-01 snmp: Interface lo(): Link down	Current reported speed: {ITEM.LASTVALUE1}
<input type="checkbox"/>	Warning	OK	Network interfaces discovery: Interface lo(): High bandwidth usage Depends on: summit-zbx-01 snmp: Interface lo(): Link down	In: {ITEM.LASTVALUE1}, out: {ITEM.LASTVALUE3}, speed: {ITEM.LASTVALUE2}
<input type="checkbox"/>	Warning	OK	Network interfaces discovery: Interface lo(): High error rate Depends on: summit-zbx-01 snmp: Interface lo(): Link down	errors in: {ITEM.LASTVALUE1}, errors out: {ITEM.LASTVALUE2}
<input type="checkbox"/>	Average	OK	Network interfaces discovery: Interface lo(): Link down	Current state: {ITEM.LASTVALUE1}



3 – What's in a name

- Dashboards
- Maps
- Actions

Often times we see too many of them, in an unorganized list

Easy to access from dashboards but we still need a good structure

It's all in the name, helping our Zabbix admins find thing easily



Dashboards



Dashboards

<input type="checkbox"/> Name ▲
<input type="checkbox"/> Brian dashboard
<input type="checkbox"/> Databases MySQL
<input type="checkbox"/> Global view
<input type="checkbox"/> Josh
<input type="checkbox"/> Laura dash
<input type="checkbox"/> Linux servers
<input type="checkbox"/> MSSQL databases
<input type="checkbox"/> Nathan Liefing personal
<input type="checkbox"/> NGINX
<input type="checkbox"/> Windows servers
<input type="checkbox"/> Zabbix server
<input type="checkbox"/> Zabbix server health

0 selected



Dashboards

<input type="checkbox"/> Name ▲
<input type="checkbox"/> Applications/Databases/MSSQL
<input type="checkbox"/> Applications/Databases/MySQL
<input type="checkbox"/> Applications/NGINX
<input type="checkbox"/> Global view
<input type="checkbox"/> Personal/Brian
<input type="checkbox"/> Personal/Josh
<input type="checkbox"/> Personal/Laura dash
<input type="checkbox"/> Personal/Nathan Liefing
<input type="checkbox"/> Servers/Linux
<input type="checkbox"/> Servers/Windows
<input type="checkbox"/> Zabbix/Server
<input type="checkbox"/> Zabbix/Server health

0 selected



Maps

Maps

[Create map](#)[Import](#)

<input type="checkbox"/> Name ▲	Width	Height	Actions
<input type="checkbox"/> Applications/Databases/MSSQL	800	600	Properties Constructor
<input type="checkbox"/> Network/Overview	800	600	Properties Constructor
<input type="checkbox"/> Network/Routers	800	600	Properties Constructor
<input type="checkbox"/> Network/Switches	800	600	Properties Constructor
<input type="checkbox"/> Network/Zabbix local	680	200	Properties Constructor
<input type="checkbox"/> Personal/Brian	800	600	Properties Constructor
<input type="checkbox"/> Personal/Laura	800	600	Properties Constructor
<input type="checkbox"/> Personal/Nathan	800	600	Properties Constructor
<input type="checkbox"/> Servers/Linux	800	600	Properties Constructor
<input type="checkbox"/> Servers/Windows	800	600	Properties Constructor



Displaying 10 of 10 found

0 selected

[Export](#) ▼

[Delete](#)



Actions

Trigger actions ▾

<input type="checkbox"/>	Name ▲
<input type="checkbox"/>	All media/Report problems to Zabbix administrators
<input type="checkbox"/>	Command/Fix VMWare issue through API
<input type="checkbox"/>	Mail/MSSQL to dba@company.com group
<input type="checkbox"/>	Mail/Windows to windows@company.com group
<input type="checkbox"/>	MS Teams/Linux to Linux Engineers group

0 selected



To conclude

Host groups/Template groups: Use clear names, abbreviate correctly and most importantly use subgroups

Host names: Stick with the actual device hostnames where possible

Template names: Follow the structure and clone the defaults to templates you want to use

Tags: The new tag policy is a great improvement, use it and add your own detailed tags to it

Business Service Monitoring: Keep in mind that there's two different tags + use the new tag policy to make things easy

Item/Trigger names: Short, descriptive, use prefixes

Low Level Discovery:

Dashboards/Maps/Actions: A good stolen idea is a good implementation. Stick with what we know from host/groups



Questions?

