

AGENT ZABBIX-LINUX

SRVweb

IP : 172.21.0.101

SRVZABBIX

IP : 172.21.0.108

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1 Choose your platform

ZABBIX VERSION	OS DISTRIBUTION	OS VERSION	ZABBIX COMPONENT	DATABASE	WEB SERVER
6.4	Alma Linux	12 (Bookworm)	Server, Frontend, Agent	---	---
6.0 LTS	CentOS	11 (Bullseye)	Proxy		
5.0 LTS	Debian	10 (Buster)	Agent		
7.0 PRE-RELEASE	OpenSUSE Leap	9 (Stretch)	Agent 2		
	Oracle Linux		Java Gateway		
	Raspberry Pi OS		Web Service		
	Red Hat Enterprise Linux				
	Rocky Linux				
	SUSE Linux Enterprise Server				
	Ubuntu				
	Ubuntu (arm64)				

[Release Notes 6.4](#)

```
# wget
https://repo.zabbix.com/zabbix/6.4/debian/pool/main/z/zabbix-
release/zabbix-release_6.4-1+debian12_all.deb
```

```
# dpkg -i zabbix-release_6.4-1+debian12_all.deb
```

```
# apt update
```

ETAPE 2 :

```
# apt install zabbix-agent
```

ETAPE 3 :

```
# systemctl restart zabbix-agent  
# systemctl enable zabbix-agent
```

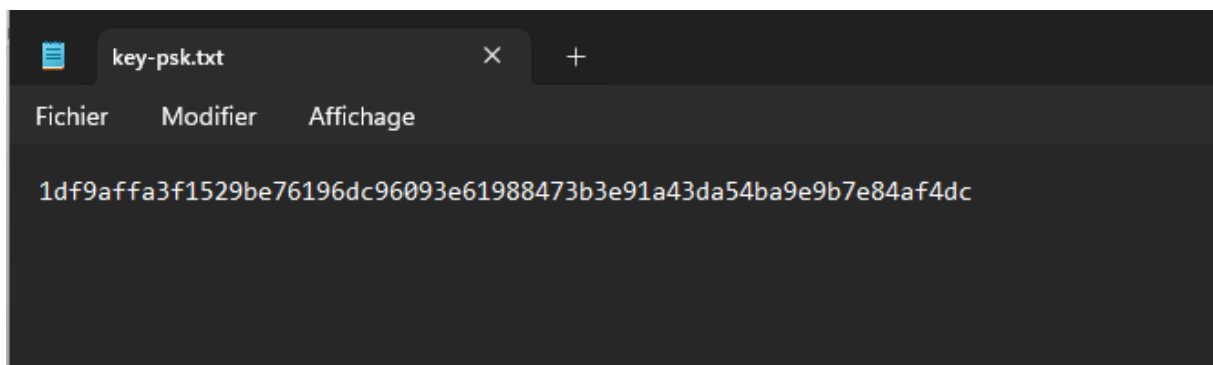
ETAPE 4 : générer la clef

```
sudo sh -c "openssl rand -hex 32 > /etc/zabbix/zabbix_agentd.psk"
```

ETAPE 5 : Montrer la clef

```
cat /etc/zabbix/zabbix_agentd.psk
```

```
root@SRVweb:/home/sio# sh -c "openssl rand -hex 32 > /etc/zabbix/zabbix_agentd.psk"  
root@SRVweb:/home/sio# cat /etc/zabbix/zabbix_agentd.psk  
1df9affa3f1529be76196dc96093e61988473b3e91a43da54ba9e9b7e84af4dc  
root@SRVweb:/home/sio#
```



ETAPE 6 :

```
sudo nano /etc/zabbix/zabbix_agentd.conf
```

Modifier :

```
Server=172.21.0.108      [Mettre l'ip du srv Zabbix]
```

```
Hostname=SRVweb
```

```
TLSConnect=psk
```

```
TLSAccept=psk
```

```
TLSPSKIdentity=PSK 002
```

PSK 001 = le nom par lesquels on l'identifie 'garder le de coter'

TLSPSKFile=/etc/zabbix/zabbix_agentd.psk

ETAPE 6 :

sudo systemctl restart zabbix-agent

sudo systemctl enable zabbix-agent

sudo systemctl status zabbix-agent

[Vérifier que le service soit vert]

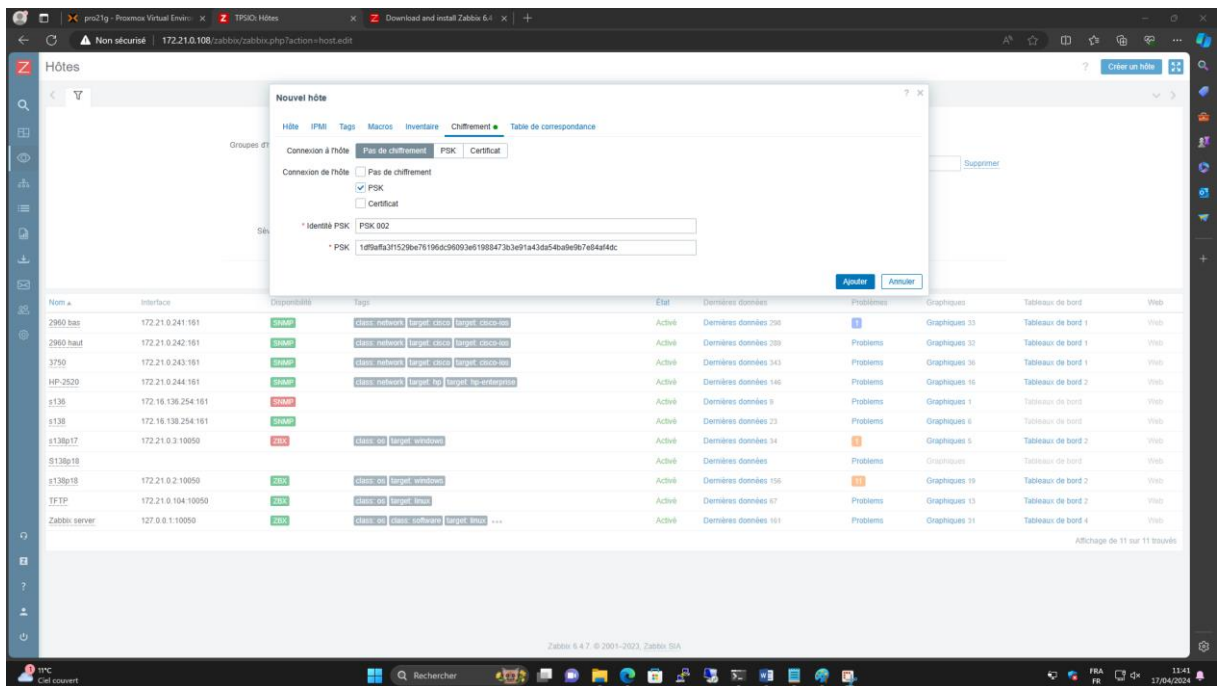
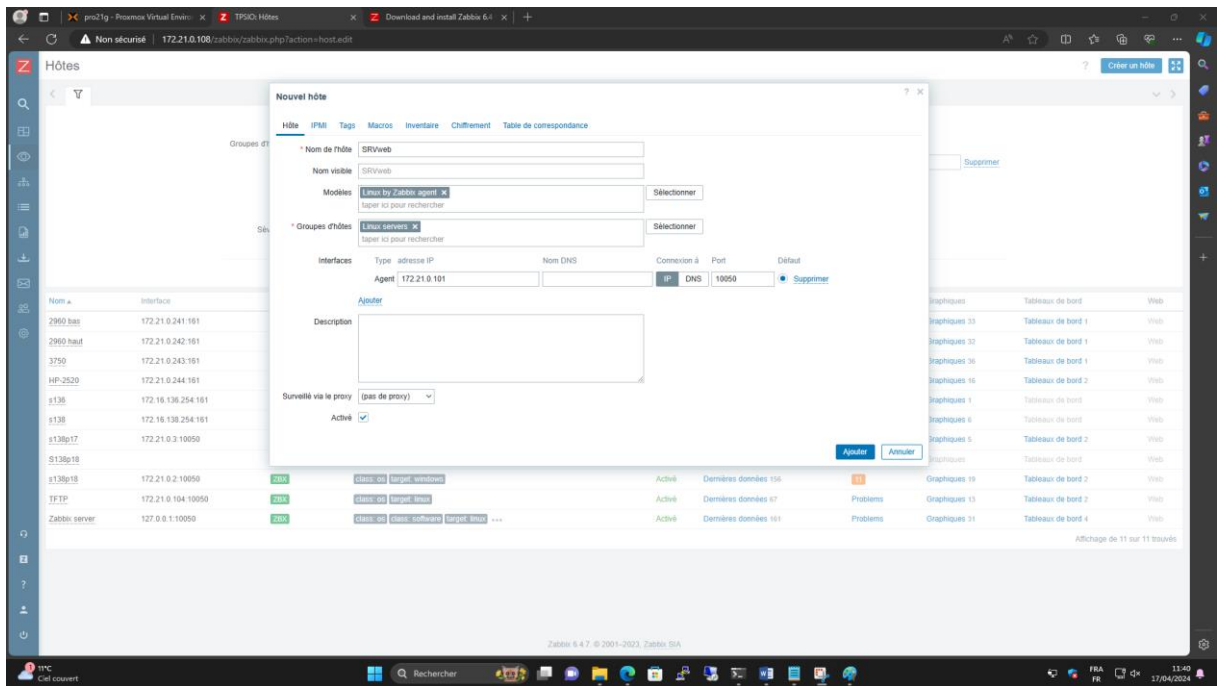
SUR Serveur ZABBIX

The screenshot shows the Zabbix web interface in a browser window. The page title is 'Hôtes' (Hosts). The interface includes a search bar, filters for groups, IP, DNS, and port, and checkboxes for severity and maintenance. A table lists 12 hosts with their respective interfaces, availability status, tags, and links to latest data, problems, graphs, and dashboards. The 'Zabbix server' host is highlighted in blue.

Nom	Interface	Disponibilité	Tags	État	Dernières données	Problèmes	Graphiques	Tableaux de bord	Web
2960 bas	172.21.0.241.161	OK	class-network target-cisco target-cisco-ips	Actif	Dernières données 298	1	Graphiques 33	Tableaux de bord 1	Web
2960 haut	172.21.0.242.161	OK	class-network target-cisco target-cisco-ips	Actif	Dernières données 298	Problèmes	Graphiques 32	Tableaux de bord 1	Web
3750	172.21.0.243.161	OK	class-network target-cisco target-cisco-ips	Actif	Dernières données 343	Problèmes	Graphiques 36	Tableaux de bord 1	Web
HP-2520	172.21.0.244.161	OK	class-network target-hp target-hp-enterprise	Actif	Dernières données 146	Problèmes	Graphiques 16	Tableaux de bord 2	Web
s136	172.16.136.254.161	OK	class-network target-ig target-ig-enterprise	Actif	Dernières données 9	Problèmes	Graphiques 1	Tableaux de bord	Web
s138	172.16.138.254.161	OK	class-network target-ig target-ig-enterprise	Actif	Dernières données 23	Problèmes	Graphiques 6	Tableaux de bord	Web
s138p17	172.21.0.3.10050	OK	class-ops target-windows	Actif	Dernières données 34	Problèmes	Graphiques 5	Tableaux de bord 2	Web
s138p18	172.21.0.2.10050	OK	class-ops target-windows	Actif	Dernières données	Problèmes	Graphiques	Tableaux de bord	Web
s138p19	172.21.0.2.10050	OK	class-ops target-windows	Actif	Dernières données 156	Problèmes	Graphiques 19	Tableaux de bord 2	Web
SRVweb	172.21.0.101.10050	OK	class-ops class-software target-apache	Actif	Dernières données 90	Problèmes	Graphiques 16	Tableaux de bord 3	Web
TRTP	172.21.0.104.10050	OK	class-ops target-trip	Actif	Dernières données 67	Problèmes	Graphiques 13	Tableaux de bord 2	Web
Zabbix server	127.0.0.1.10050	OK	class-ops class-software target-zabbix	Actif	Dernières données 161	Problèmes	Graphiques 31	Tableaux de bord 4	Web

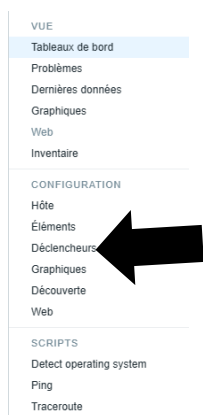
Affichage de 12 sur 12 trouvés

Zabbix 6.4.7, © 2001-2023, Zabbix SIA



Alerte sur Zabbix

Cliquez sur l'hôte et sélectionnez Déclencheurs :



Cliquez sur «Disk space is critical low »

Sévérité	Valeur	Nom	Données opérationnelles	Expression	État	Info	Tags
Désastre	OK	Mounted filesystem discovery: / Disk space is critically low	Space used: (ITEM.LASTVALUE2) of (ITEM.LASTVALUE1)	<code>last(TFTPVfs.fs.dependent.size)/used)-(<SVFS.FS.FUSED.MAX.CRIT-7%) and (last(TFTPVfs.fs.dependent.size)/total)-last(TFTPVfs.fs.dependent.size)/used)-(<SVFS.FS.FREE.MIN.CRIT-7%) or timeleft(TFTPVfs.fs.dependent.size)/used, 1h, 100)-1d)</code>	Activé		scope: availability scope: capacity
Moyen	OK	Mounted filesystem discovery: / Disk space is low	Space used: (ITEM.LASTVALUE2) of (ITEM.LASTVALUE1)	<code>last(TFTPVfs.fs.dependent.size)/used)-(<SVFS.FS.FUSED.MAX.WARN-7%) and (last(TFTPVfs.fs.dependent.size)/total)-last(TFTPVfs.fs.dependent.size)/used)-(<SVFS.FS.FREE.MIN.WARN-7%) or timeleft(TFTPVfs.fs.dependent.size)/used, 1h, 100)-1d)</code>	Activé		scope: availability scope: capacity
Moyen	OK	Mounted filesystem discovery: / Filesystem has low free space only	Free inodes: (ITEM.LASTVALUE1)	<code>min(TFTPVfs.fs.dependent.inode)/free)-(<SVFS.FS.INODE.FFREE.MIN.CRIT-7%)</code>	Activé		scope: availability scope: performance
Moyen	OK	Mounted filesystem discovery: / Running out of free inodes	Free inodes: (ITEM.LASTVALUE1)	<code>min(TFTPVfs.fs.dependent.inode)/free)-(<SVFS.FS.INODE.FFREE.MIN.WARN-7%)</code>	Activé		scope: availability scope: performance
Avertissement	OK	Mounted filesystem discovery: / Running out of free inodes	Free inodes: (ITEM.LASTVALUE1)	<code>min(TFTPVfs.fs.dependent.inode)/free)-(<SVFS.FS.INODE.FFREE.MIN.WARN-7%)</code>	Activé		scope: availability scope: performance
Information	OK	Network interface discovery: interface ens18: Ethernet has changed to lower speed than it was before	Current reported speed: (ITEM.LASTVALUE1)	<code>Problème: change(TFTPVfs.file.contents("sys/class/net/ens18/speed"))>0 and last(TFTPVfs.file.contents("sys/class/net/ens18/speed"))>0 and (last(TFTPVfs.file.contents("sys/class/net/ens18/speed"))<1) and (last(TFTPVfs.file.contents("sys/class/net/ens18/speed"))<2)</code> Récupération: <code>change(TFTPVfs.file.contents("sys/class/net/ens18/speed"))>0 and last(TFTPVfs.file.contents("sys/class/net/ens18/speed"))>0 or (last(TFTPVfs.file.contents("sys/class/net/ens18/speed"))<1 and last(TFTPVfs.file.contents("sys/class/net/ens18/speed"))<2)</code>	Incomnu		scope: performance
Avertissement	OK	Network interface discovery: interface ens18: high bandwidth usage	In: (ITEM.LASTVALUE1), out: (ITEM.LASTVALUE2), speed: (ITEM.LASTVALUE3)	<code>Problème: (avg(TFTPVfs.file.contents("sys/class/net/ens18/tx_bytes100"))>1000000000 and last(TFTPVfs.file.contents("sys/class/net/ens18/tx_bytes100"))>1000000000) or (avg(TFTPVfs.file.contents("sys/class/net/ens18/rx_bytes100"))>1000000000 and last(TFTPVfs.file.contents("sys/class/net/ens18/rx_bytes100"))>1000000000)</code>	Incomnu		scope: performance

Mettre la sévérité en « Désastres »

Déclencheur Tag 2 Dépendances

Déclencheur par: Mounted filesystem discovery

* Nom: / Disk space is critically low

Nom de l'événement: / Disk space is critically low (used) - (<SVFS.FS.FUSED.MAX.CRIT-7%)

Données opérationnelles: Space used: (ITEM.LASTVALUE2) of (ITEM.LASTVALUE1)

Sévérité: Non classé, Information, Avertissement, Moyen, Haut, **Désastre**

* Expression: `last(TFTPVfs.fs.dependent.size)/used)-(<SVFS.FS.FUSED.MAX.CRIT-7%) and (last(TFTPVfs.fs.dependent.size)/total)-last(TFTPVfs.fs.dependent.size)/used)-(<SVFS.FS.FREE.MIN.CRIT-7%) or timeleft(TFTPVfs.fs.dependent.size)/used, 1h, 100)-1d)`

Constructeur d'expression: Expression, Expression de récupération, Aucun

Mode de génération des événements: PROBLÈME, Problème, Multiple

Un événement OK ferme: Tous les problèmes, Tous les problèmes et les valeurs de tag correspondant

Autoriser la fermeture manuelle: ☒

Nom de l'entrée de menu: URL du déclencheur

URL de l'entrée de menu:

Description: Two conditions should match:
1. The first condition - utilization of the space should be above (<SVFS.FS.FUSED.MAX.CRIT-7%)
2. The second condition should be one of the following:
- the disk free space is less than (<SVFS.FS.FREE.MIN.CRIT-7%)
- the disk will be full in less than 24 hours.

Activé: ☒

Actualiser, Clone, Supprimer, Annuler

Allez dans l'onglet supervision est cliquez sur l'hôte ou vous voulez modifier les valeur d'activation de l'alerte :

Hôte

HôteIPMI

Tags

Macros 2

Inventaire

Chiffrement

Table de correspondance

Macros d'hôte

Macros hiérarchiques et de l'hôte

Macro

Valeur effective

Valeur du modèle

Valeur globale (configurer)

(\$AGENT.TIMEOUT)

3m

T

Changer

Linux by Zabbix agent: "3m"

Timeout after which agent is considered unavailable. Works only for agents reachable from Zabbix server/proxy (passive mode).

(\$CPU.UTIL.CRIT)

90

T

Changer

Linux by Zabbix agent: "90"

description

(\$IF.ERRORS.WARN)

2

T

Changer

Linux by Zabbix agent: "2"

description

(\$IF.UTIL.MAX)

90

T

Changer

Linux by Zabbix agent: "90"

This macro is used as a threshold in the interface utilization trigger.

(\$IF.CONTROL)

1

T

Changer

Linux by Zabbix agent: "1"

description

(\$KERNEL.MAXFILES.MIN)

256

T

Changer

Linux by Zabbix agent: "256"

description

(\$KERNEL.MAXPROC.MIN)

1024

T

Changer

Linux by Zabbix agent: "1024"

description

(\$LOAD_AVG_PER_CPU.MAX.WARN)

1.5

T

Changer

Linux by Zabbix agent: "1.5"

The CPU load per core is considered sustainable. If necessary, it can be tuned.

(\$MEMORY.AVAILABLE.MIN)

20M

T

Changer

Linux by Zabbix agent: "20M"

This macro is used as a threshold in the memory available trigger.

Actualiser

Clone

Clone complet

Supprimer

Annuler

Hôte

HôteIPMI

Tags

Macros 2

Inventaire

Chiffrement

Table de correspondance

(\$VFS.FS.FSNAME.MATCHES)

.*

T

Changer

Linux by Zabbix agent: ".*"

This macro is used for discovery of the filesystems. It can be overridden on host level or its linked template level.

(\$VFS.FS.FSNAME.NOT_MATCHES)

^(dev|sys|run|proc)+/(shm\$)

T

Changer

Linux by Zabbix agent: "^(dev|sys|run|proc)+/(shm\$)"

This macro is used for discovery of the filesystems. It can be overridden on host level or its linked template level.

(\$VFS.FS.FSTYPE.MATCHES)

^(btrfs|ext2|ext3|ext4|reiser|jfs|ufs|jfs2|vxfs|jfs(japfs|reftsnfs|fat32|zfs)\$

T

Changer

Linux by Zabbix agent: "^(btrfs|ext2|ext3|ext4|reiser|jfs|ufs|jfs2|vxfs|jfs(japfs|reftsnfs|fat32|zfs)\$"

This macro is used for discovery of the filesystems. It can be overridden on host level or its linked template level.

(\$VFS.FS.FSTYPE.NOT_MATCHES)

^!s\$

T

Changer

Linux by Zabbix agent: "^(?!s\$"

This macro is used for discovery of the filesystems. It can be overridden on host level or its linked template level.

(\$VFS.FS.INODE.FFREE.MIN.CRIT)

10

T

Changer

Linux by Zabbix agent: "10"

The critical threshold of the filesystem metadata utilization.

(\$VFS.FS.INODE.FFREE.MIN.WARN)

20

T

Changer

Linux by Zabbix agent: "20"

The warning threshold of the filesystem metadata utilization.

(\$VFS.FS.PUSED.MAX.CRIT)

95

T

Supprimer

Linux by Zabbix agent: "90"

The critical threshold of the filesystem utilization.

(\$VFS.FS.PUSED.MAX.WARN)

90

T

Supprimer

Linux by Zabbix agent: "80"

The warning threshold of the filesystem utilization.

Ajouter

Actualiser

Clone

Clone complet

Supprimer

Annuler