

Instalasi Zabbix

UNTUK PROXMOX

4/09/2025

A large red circle containing the word "ZABBIX" in white capital letters inside a white rectangular box.

ZABBIX

INSTALL PROXMOX

Untuk pemakaian ini menggunakan PROXMOX, jika memang menggunakan perangkat lain bisa mencari tutorial yang lain.



PROXMOX

```
pve2 6.8.12-4-pve #1 SMP PREEMPT_DYNAMIC PMX 6.8.12-4 (2024-11-06T15:04Z) x86_64

Programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
login: Wed Sep  3 19:53:24 WIB 2025 from 192.168.83.131 on pts/0
pve2:~# sudo apt update && sudo apt upgrade -y
```

Langkah awal yang biasa dilakukan adalah update dan upgrade, karena untuk mengecek apakah ada update yang baru atau tidak

```
root@pve2:~# apt update && sudo apt upgrade -y
Hit:1 http://ftp.debian.org/debian bookworm InRelease
Hit:2 http://ftp.debian.org/debian bookworm-updates InRelease
Hit:3 http://security.debian.org bookworm-security InRelease
Err:4 https://enterprise.proxmox.com/debian/ceph-quincy bookworm InRelease
  401 Unauthorized [IP: 51.79.228.122 443]
Err:5 https://enterprise.proxmox.com/debian/pve bookworm InRelease
  401 Unauthorized [IP: 51.79.228.122 443]
Reading package lists... Done
E: Failed to fetch https://enterprise.proxmox.com/debian/ceph-quincy/dists/bookworm/InRelease 401 Unauthorized [IP:
51.79.228.122 443]
E: The repository 'https://enterprise.proxmox.com/debian/ceph-quincy bookworm InRelease' is not signed.
N: Updating from such a repository can't be done securely, and is therefore disabled by default.
N: See apt-secure(8) manpage for repository creation and user configuration details.
E: Failed to fetch https://enterprise.proxmox.com/debian/pve/dists/bookworm/InRelease 401 Unauthorized [IP: 51.79.22
8.122 443]
E: The repository 'https://enterprise.proxmox.com/debian/pve bookworm InRelease' is not signed.
N: Updating from such a repository can't be done securely, and is therefore disabled by default.
N: See apt-secure(8) manpage for repository creation and user configuration details.
root@pve2:~#
```

Jika PROXMOX mengalami kegagalan update, itu dikarenakan kita tidak punya license enterprise atau subscription, untuk mengatasi kita bisa buka satu direktori untuk menjadikannya no subscription

```
root@pve2:~# cd /etc/apt/sources.list.d/  
root@pve2:/etc/apt/sources.list.d# ls  
ceph.list  pve-enterprise.list  
root@pve2:/etc/apt/sources.list.d# nano pve-enterprise.list  
root@pve2:/etc/apt/sources.list.d#
```

```
GNU nano 7.2 pve-enterprise.list  
#deb https://enterprise.proxmox.com/debian/pve bookworm pve-enterprise
```

Masuk ke folder `/etc/apt/source.list.d/`, lalu “ls” dan nanti akan muncul file `pve-enterprise.list`, tulis perintah “nano pve-enterprise.list yang dimana akan di edit seperti di gambar kedua untuk ditambahkan ‘#’ agar sistem tidak membacannya, jika sudah tekan `ctrl+s` untuk menyimpannya dan `ctrl+x` untuk keluar dari nano

```
root@pve2:/etc/apt/sources.list.d# nano pve-no-subscription.list
root@pve2:/etc/apt/sources.list.d# █
```

```
GNU nano 7.2 pve-no-subscription.list
deb http://download.proxmox.com/debian/pve bookworm pve-no-subscription
```

Lalu buat file baru untuk no subrscriptionnya dengan nama 'pve-no-subscription.list' beri perintah "nano" sebelum nama filenya agar nanti bisa langsung edit, jika sudah nanti akan masuk file editnya dan ketik 'deb http://download.proxmox.com/debia/pve bookworm pve-no-subcription', nanti jika sudah bisa di save seperti sebelum pakai ctrl+s dan untuk keluar ctrl+x

```
root@pve2:/etc/apt/sources.list.d# ls
ceph.list  pve-enterprise.list  pve-no-subscription.list
root@pve2:/etc/apt/sources.list.d# nano ceph list
root@pve2:/etc/apt/sources.list.d# nano ceph.list
```

```
GNU nano 7.2                                ceph.list
#deb https://enterprise.proxmox.com/debian/ceph-quincy bookworm enterprise
```

Matikan juga untuk yang ceph list karena dia juga berbayar, perintahnya masih sama seperti tadi memakai “nano” tapi nama filenya adalah ‘ceph.list’, lalu beri tanda “#” di paling depan, save dan keluar, maka perintah “apt update” akan berjalan dengan normal lagi

```
root@pve2:~# wget https://repo.zabbix.com/zabbix/6.0/debian/pool/main/z/zabbix-release/zabbix-release_6.0-5+debian12_all.deb
--2025-09-03 20:04:53-- https://repo.zabbix.com/zabbix/6.0/debian/pool/main/z/zabbix-release/zabbix-release_6.0-5+debian12_all.deb
Resolving repo.zabbix.com (repo.zabbix.com)... 178.128.6.101, 2604:a880:2:d0::2062:d001
Connecting to repo.zabbix.com (repo.zabbix.com)|178.128.6.101|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 3448 (3.4K) [application/octet-stream]
Saving to: `zabbix-release_6.0-5+debian12_all.deb'

zabbix-release_6.0-5+debian12 100%[=====>] 3.37K --.-KB/s in 0s

2025-09-03 20:04:54 (57.2 MB/s) - `zabbix-release_6.0-5+debian12_all.deb' saved [3448/3448]

root@pve2:~# █
```

Jika sudah update bisa lanjut untuk install ZABBIXnya, ketik perintah “`wget https://repo.zabbix.com/zabbix/6.0/ubuntu/pool/main/z/zabbix-release/zabbix-release_6.0-4+ubuntu22.04_all.deb`”

```
root@pve2:~# ls
zabbix-release_6.0-5+debian12_all.deb
root@pve2:~# dpkg -i zabbix-release_6.0-5+debian12_all.deb
Selecting previously unselected package zabbix-release.
(Reading database ... 45933 files and directories currently installed.)
Preparing to unpack zabbix-release_6.0-5+debian12_all.deb ...
Unpacking zabbix-release (1:6.0-5+debian12) ...
Setting up zabbix-release (1:6.0-5+debian12) ...
root@pve2:~# apt update
Hit:1 http://security.debian.org bookworm-security InRelease
Hit:2 http://ftp.debian.org/debian bookworm InRelease
Hit:3 http://ftp.debian.org/debian bookworm-updates InRelease
Hit:4 http://download.proxmox.com/debian/pve bookworm InRelease
Get:5 https://repo.zabbix.com/zabbix/6.0/debian bookworm InRelease [2,883 B]
Get:6 https://repo.zabbix.com/zabbix/6.0/debian bookworm/main Sources [31.4 kB]
Get:7 https://repo.zabbix.com/zabbix/6.0/debian bookworm/main amd64 Packages [71.8 kB]
Get:8 https://repo.zabbix.com/zabbix/6.0/debian bookworm/main all Packages [14.1 kB]
Fetched 120 kB in 3s (46.4 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
178 packages can be upgraded. Run 'apt list --upgradable' to see them.
```

Setelah itu ketik perintah “ls” lalu akan muncul file dari ZABBIX dan akan kita ekstrak package nya menggunakan perintah “dpkg -i”, “-i” itu untuk install, jadi “dpkg -i zabbix-release_6.0-4+ubuntu22.04_all.deb” agar package nya langsung terinstall, jika sudah, kita update lagi untuk memperbarui adakah package dari ZABBIX yang baru

```
root@pve2:~# apt install zabbix-server-mysql zabbix-frontend-php zabbix-apache-conf zabbix-sql-scripts zabbix-agent ma
riadb-server -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
zabbix-server-mysql is already the newest version (1:6.0.41-1+debian12).
zabbix-frontend-php is already the newest version (1:6.0.41-1+debian12).
zabbix-apache-conf is already the newest version (1:6.0.41-1+debian12).
The following additional packages will be installed:
  galera-4 gawk libcgi-fast-perl libcgi-pm-perl libfcgi-bin libfcgi-perl libfcgi0ldbl libhtml-template-perl
  libmodbus5 libmpfr6 libsigsegv2 mariadb-plugin-provider-bzip2 mariadb-plugin-provider-lz4
  mariadb-plugin-provider-lzma mariadb-plugin-provider-lzo mariadb-plugin-provider-snappy mariadb-server-core pv
Suggested packages:
  gawk-doc libipc-sharedcache-perl mariadb-test netcat-openbsd doc-base
The following NEW packages will be installed:
  galera-4 gawk libcgi-fast-perl libcgi-pm-perl libfcgi-bin libfcgi-perl libfcgi0ldbl libhtml-template-perl
  libmodbus5 libmpfr6 libsigsegv2 mariadb-plugin-provider-bzip2 mariadb-plugin-provider-lz4
  mariadb-plugin-provider-lzma mariadb-plugin-provider-lzo mariadb-plugin-provider-snappy mariadb-server
  mariadb-server-core pv zabbix-agent zabbix-sql-scripts
0 upgraded, 21 newly installed, 0 to remove and 178 not upgraded.
Need to get 22.9 MB of archives.
After this operation, 122 MB of additional disk space will be used.
Get:1 http://ftp.debian.org/debian bookworm/main amd64 libmpfr6 amd64 4.2.0-1 [701 kB]
Get:2 http://ftp.debian.org/debian bookworm/main amd64 libsigsegv2 amd64 2.14-1 [37.2 kB]
Get:3 http://ftp.debian.org/debian bookworm/main amd64 gawk amd64 1:5.2.1-2 [673 kB]
Get:4 http://ftp.debian.org/debian bookworm/main amd64 galera-4 amd64 26.4.20-0+deb12u1 [836 kB]
```

Setelah itu install database yang diperlukan dari si ZABBIX agar nanti tampilan dari ZABBIX bisa berjalan, ketik perintah “apt install zabbix-server-mysql zabbix-frontend-php zabbix-apache-conf zabbix-sql-scripts zabbix-agent -y, dan juga install database server, ketik perintah “apt install mariadb-server -y”

```
root@pve2:~# mysql -uroot
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 31
Server version: 10.11.11-MariaDB-0+deb12u1 Debian 12

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> CREATE DATABASE zabbix CHARACTER SET utf8mb4 COLLATE utf8mb4_bin;
Query OK, 1 row affected (0.001 sec)

MariaDB [(none)]> CREATE USER 'zabbix'@'localhost' IDENTIFIED BY 'zabbix';
Query OK, 0 rows affected (0.002 sec)

MariaDB [(none)]> GRANT ALL PRIVILEGES ON zabbix.* TO 'zabbix'@'localhost';
Query OK, 0 rows affected (0.001 sec)

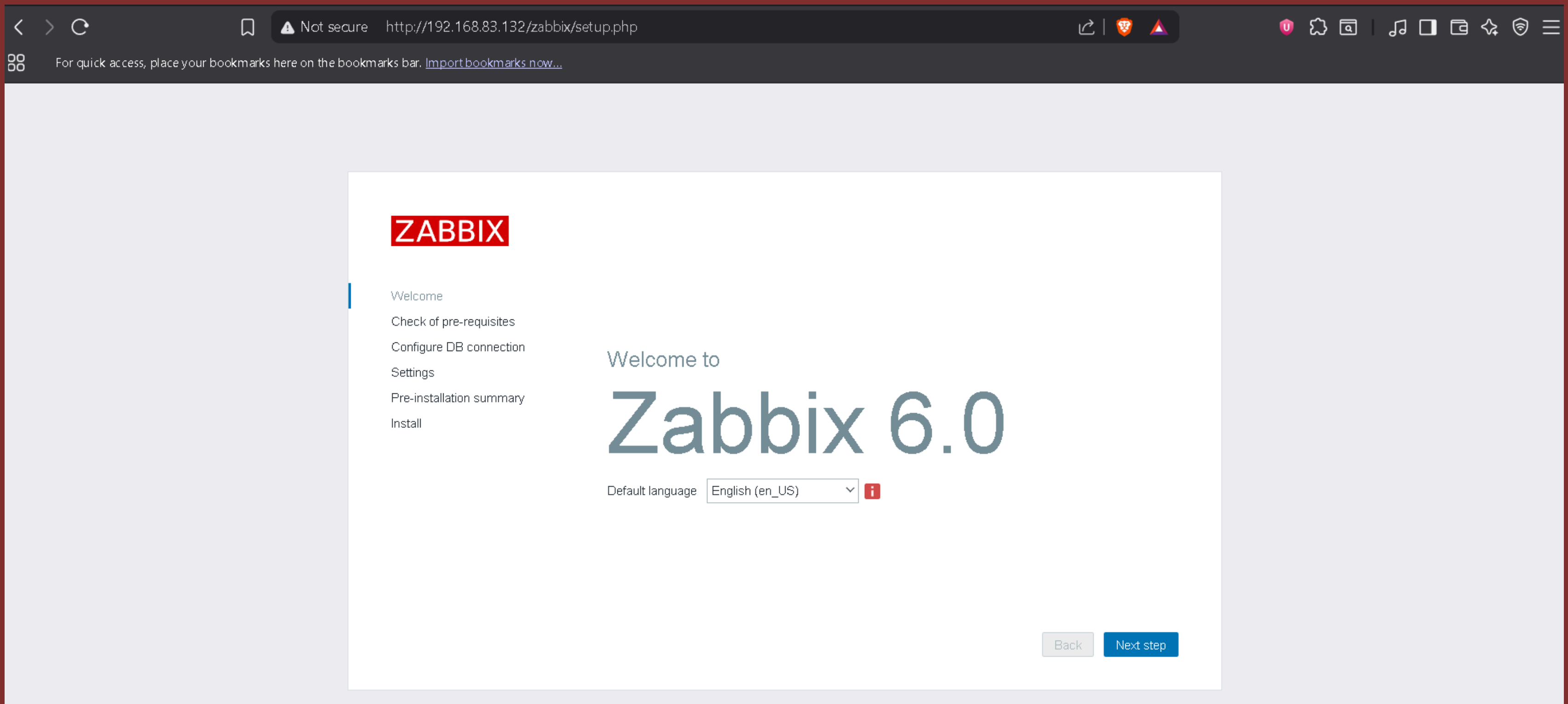
MariaDB [(none)]> FLUSH PREVILAGE;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'PREVILAGE' at line 1
MariaDB [(none)]> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.002 sec)

MariaDB [(none)]> exit;
```

Jika sudah kita bisa buat database dari ZABBIX, masuk ke mysql dengan perintah “mysql -uroot”, lalu buat database untuk ZABBIX degan perintah “CREATE DATABASE (nama database terserah) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin;” lalu “CREATE USER 'nama terserah'@'localhost' IDENTIFIED BY 'password yg diinginkan'; setelah itu kasih seluruh akses database ke username kita “GRANT ALL PRIVILEGES ON (nama database).* TO 'nama user'@'localhost;” setelah itu “FLUSH PRIVILEGES;” agar username yang tadi dibuat menjadi pemilik penuh dari database, jika sudah ketik “exit;” untuk keluar dari database

```
root@pve2:~# systemctl restart zabbix-server zabbix-agent apache2
root@pve2:~# systemctl enable zabbix-server zabbix-agent apache2
Synchronizing state of zabbix-server.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable zabbix-server
Synchronizing state of zabbix-agent.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable zabbix-agent
Synchronizing state of apache2.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable apache2
Created symlink /etc/systemd/system/multi-user.target.wants/zabbix-server.service → /lib/systemd/system/zabbix-server.service.
root@pve2:~# systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; preset: enabled)
   Active: active (running) since Wed 2025-09-03 20:26:55 WIB; 2min 3s ago
     Docs: https://httpd.apache.org/docs/2.4/
  Main PID: 23980 (apache2)
    Tasks: 6 (limit: 2227)
   Memory: 16.7M
```

Setelah selesai semua kita bisa restart dan enable dari server ZABBIX agar dia berjalan, ketik perintah “systemctl restart zabbix-server zabbix-agent apache2” dan “systemctl enable zabbix-server zabbix-agent apache2” seperti gambar diatas, lalu “systemctl status apache2” untuk melihat apakah di active atau tidak seperti gambar diatas yang menunjukkan active



Tampilan dari ZABBIX akan seperti itu jika kita masukan ip dari PROXMOX kita dan diberi arah ke direktori ZABBIX, jadi masukkan 192.168.x.x/zabbix ke search browser

ZABBIX

Configure DB connection

Please create database manually, and set the configuration parameters for connection to this database.
Press "Next step" button when done.

Welcome

Check of pre-requisites

Configure DB connection

Settings

Pre-installation summary

Install

Database type

Database host

Database port 0 - use default port

Database name

Store credentials in Plain text HashiCorp Vault

User

Password

Database TLS encryption *Connection will not be encrypted because it uses a socket file (on Unix) or shared memory (Windows).*

[Back](#)

[Next step](#)

jika sudah nanti bisa setting sebentar dan akan sampai di halaman seperti gambar diatas, database namanya sama seperti yang kita buat tadi usernya juga sama seperti yang dibuat, bergitupun dengan passwordnya

ZABBIX

Username

zabbix

Password

.....

 Remember me for 30 days

Sign in

[Help](#) • [Support](#)

Di tampilan ini dia akan meminta login, masukan username “Admin” password “zabbix” itu default dari sananya, nanti akan masuk ketampilan dari si ZABBIX

ZABBIX << zabbix Global view Edit dashboard ☰ 🔄

zabbixserv

Dashboard updated

All dashboards / Global view

System information

Parameter	Value	Details
Zabbix server is running	No	
Number of hosts (enabled/disabled)		
Number of templates		
Number of items (enabled/disabled/not supported)		
Number of triggers (enabled/disabled [problem/ok])		
Number of users (online)		
Required server performance, new values per second		

Category	Count
Available	0
Not available	0
Unknown	1
Total	1

Problems

Time	Info	Host	Problem • Severity	Duration	Ack	Actions	Tags
No data found.							

Favorite maps

No maps added.

Zabbix server is not running: the information displayed may not be current.

Ini adalah tampilan dari ZABBIX yang akan memonitor systemnya

ZABBIX zabbix Global view Edit dashboard

Dashboard updated

All dashboards / Global view

System information

Parameter	Value	Details
Zabbix server is running	No	
Number of hosts (enabled/disabled)	0 Available	
Number of templates	0 Not available	
Number of items (enabled/disabled/not supported)	1 Unknown	
Number of triggers (enabled/disabled [problem/ok])	1 Total	
Number of users (online)		
Required server performance, new values per second		

Problems

Time	Info	Host	Problem • Severity	Duration	Ack	Actions	Tags
No data found.							

Favorite maps

No maps added.

Zabbix server is not running: the information displayed may not be current.

Nah ini terdapat masalah yaitu di bagian yang ditunjuk anak panah, dia tidak terdeteksi di database ZABBIXnya jadi kita akan perbaiki dengan masuk ke folder ZABBIXnya, masukan perintah "cd /etc/zabbix

```
GNU nano 7.2 /etc/zabbix/zabbix_server.conf
### Option: DBSchema
# Schema name. Used for PostgreSQL.
#
# Mandatory: no
# Default:
# DBSchema=

### Option: DBUser
# Database user.
#
# Mandatory: no
# Default:
# DBUser=

DBUser=zabbix
DBPassword=zabblxx

### Option: DBPassword
# Database password.
# Comment this line if no password is used.
#
# Mandatory: no

^G Help      ^O Write Out  ^W Where Is   ^K Cut        ^T Execute    ^C Location   M-U Undo
^X Exit      ^R Read File  ^\ Replace    ^U Paste      ^J Justify    ^/ Go To Line M-E Redo
```

Lalu jika kita masukan perintah “ls” akan muncul file zabbix_server.conf, tinggal kita edit menggunakan “nano” lalu cari baris yang seperti di gambar diatas dan tambahkan passwordnya, simpan dan keluar, restart ZABBIX server dengan perintah “systemctl restart zabbix-server”

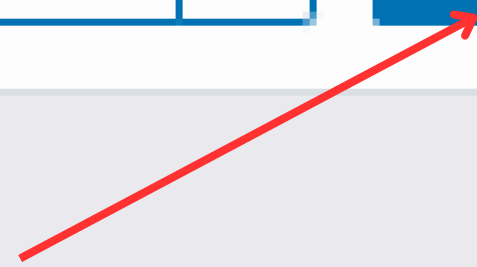


+ Add



Save changes

Cancel



1
Total

Local



Message

Status

Info

ZABBIX Global view Edit dashboard

All dashboards / Global view

System information

Parameter	Value	Details
Zabbix server is running	Yes	localhost:10051
Number of hosts (enabled/disabled)	1	1 / 0
Number of templates	384	
Number of items (enabled/disabled/not supported)	99	99 / 0 / 0
Number of triggers (enabled/disabled [problem/ok])	56	56 / 0 [0 / 56]
Number of users (online)	2	1

1 Available | 0 Not available | 0 Unknown | 1 Total

0 Disaster | 0 High | 0 Average | 1 Warning | 0 Information | 0 Not classified

Problems

Time	Info	Host	Problem • Severity	Duration	Ack	Actions	Tags
20:54:58		Zabbix server	Linux: High swap space usage (less than 50% free)	36s	No		class: os component: memory component: storage ...

Favorite maps: No maps added.

Favorite graphs

Jika sudah, refresh halaman tampilan ZABBIX dan akan menjadi “yes” bukan “no” jika ketika di refresh masih “No” maka tunggu 1 menit atau 2 menit, tidak terlalu lama

Dashboard sudah jadi dan bisa untuk monitoring sistemnya, jika ada kendala atau apa dan butuh konfigurasi lain, saya sarankan untuk mencari di halaman resmi zabbix atau forum yang membahas tentang zabbix, disana akan ada banyak orang yang mempunyai masalah yang sama seperti kita, tetapi jika memang terlalu susah untuk mencari dan tidak mendapat hasil, tidak usah malu untuk menggunakan AI, AI adalah alat teknologi yang membantu manusia dan teknologi juga sudah maju maka harus digunakan sebaik mungkin daripada tidak sama sama sekali.

Sekian terimakasih.
