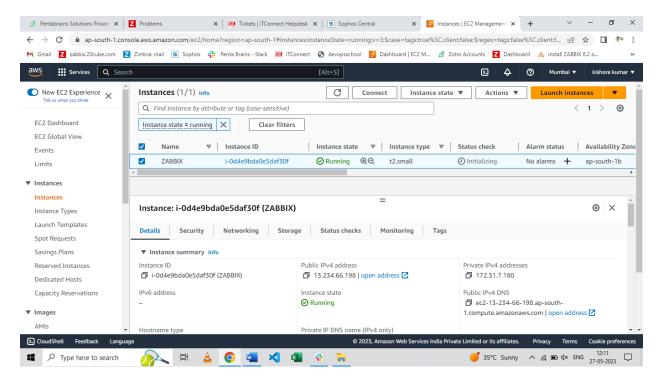
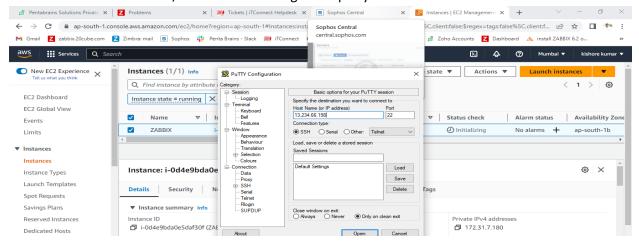
### Step 1:

We need to create a Linux/Ubuntu server. (Now I Have Done This with ubuntu 22.04 with t2small) t2small Just For More Speed Other Then You Can Use t2Micro.

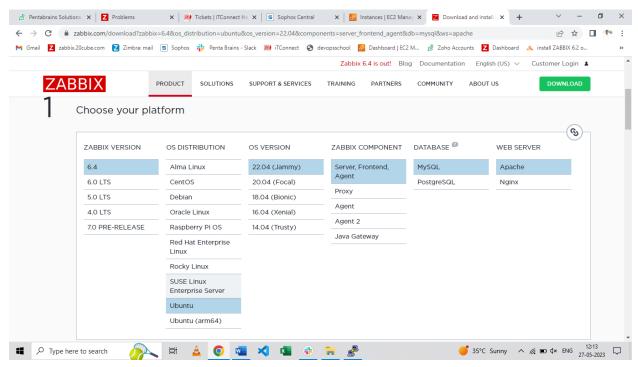


We need to check the Linux/Ubuntu server is login into putty.



### **Step 2: Choose your platform**

Official Zabbix 6.4 packages for Debian, Ubuntu, and Raspberry Pi OS (Raspbian) are available. Packages are available with either MySQL/PostgreSQL database and Apache/Nginx web server support.



#### **Notes on installation:**

#### 1.Install and configure Zabbix for your platform

#### **Install Zabbix repository**

- # wget https://repo.zabbix.com/zabbix/6.4/ubuntu/pool/main/z/zabbix-release/zabbix-release\_6.4-1+ubuntu22.04\_all.deb
- # dpkg -i zabbix-release\_6.4-1+ubuntu22.04\_all.deb

#### # apt update



#### Install Zabbix server, frontend, agent

 # apt install zabbix-server-mysql zabbix-frontend-php zabbix-apache-conf zabbix-sql-scripts zabbix-agent

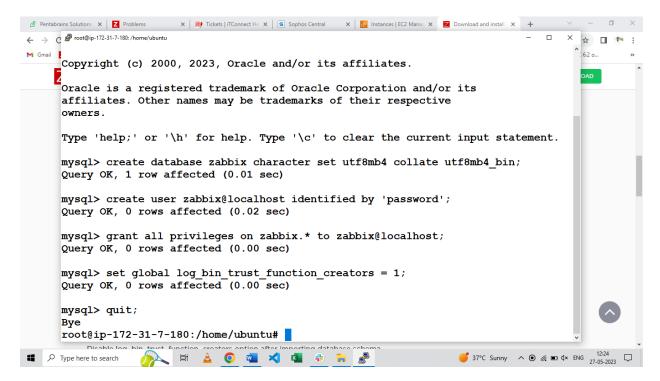


#### Create initial database

- apt-get install mysql-server(ubuntu)/yum install mysql-server (Linux)
- # mysql -uroot -p
- password-create a password for mysql server EX(Cloud@123)

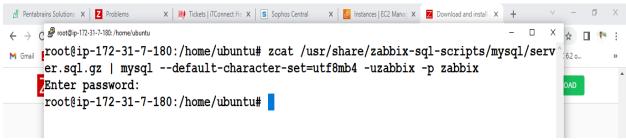
#### **Create initial database Query**

- mysql> create database zabbix character set utf8mb4 collate utf8mb4 bin;
- mysql> create user zabbix@localhost identified by 'password';(this password for zabbix, rename the password in comment with Limited@123)
- mysql> grant all privileges on zabbix.\* to zabbix@localhost;
- mysql> set global log\_bin\_trust\_function\_creators = 1;
- mysql> quit;



On Zabbix server host import initial schema and data. You will be prompted to enter your newly created password.

# zcat /usr/share/zabbix-sql-scripts/mysql/server.sql.gz | mysql --default-character-set=utf8mb4 - uzabbix -p zabbix



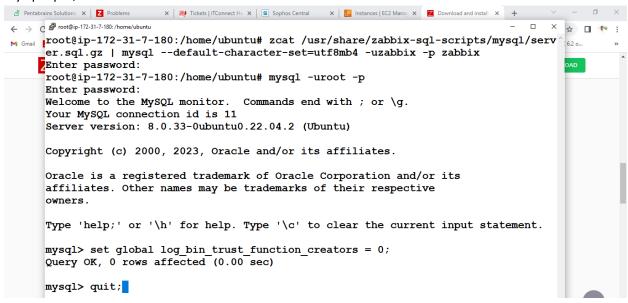
Disable log\_bin\_trust\_function\_creators option after importing database schema.

# mysql -uroot -p

#### Password(enter password)

mysql> set global log\_bin\_trust\_function\_creators = 0;

#### mysql> quit;



#### Configure the database for Zabbix server

Edit file vi /etc/zabbix/zabbix server.conf



DBPassword=password (uncomment and write same password which already given before the mysql data).

```
DBUser=zabbix

### Option: DBPassword

# Database password.

# Comment this line if no password is used.

# Mandatory: no
# Default:

# DBPassword=

### Option: DBSocket

# Path to MySQL socket.

# Mandatory: no
-- INSERT --

129,2

10%
```

After that Press ESC And :wq! To Save It.

```
DBUser=zabbix

### Option: DBPassword

# Database password.

# Comment this line if no password is used.

# Mandatory: no

# Default:

DBPassword=password

### Option: DBSocket

# Path to MySQL socket.

#

# Mandatory: no

:wq!

## And Italian  

** Type here to search

** Type here to search
```

#### Start Zabbix server and agent processes

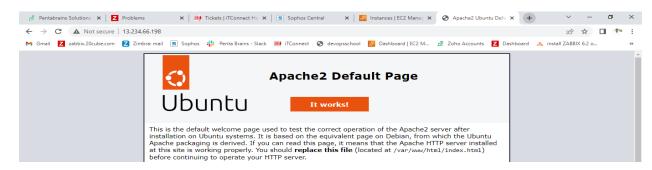
# systemctl restart zabbix-server zabbix-agent apache2

# systemctl enable zabbix-server zabbix-agent apache2

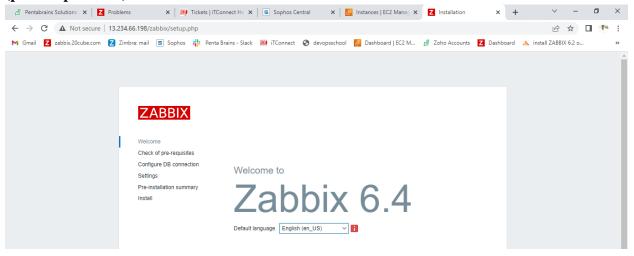
```
Pentabrains Solutions X Z Problems
                          x | M Tickets | iTConnect He x | S Sophos Central x | O Instances | EC2 Manag x Download and install x +
 ← → C 👺 root@ip-172-31-7-180: /home/ubuntu
 m Gmail root@ip-172-31-7-180:/home/ubuntu# vi /etc/zabbix/zabbix server.conf
      root@ip-172-31-7-180:/home/ubuntu# systemctl restart zabbix-server zabbix-agent
      root@ip-172-31-7-180:/home/ubuntu# systemctl enable zabbix-server zabbix-agent a
      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/s
      ystemd/systemd-sysv-install.
      Executing: /lib/systemd/systemd-sysv-install enable zabbix-agent
      Synchronizing state of apache2.service with SysV service script with /lib/system
      d/systemd-sysv-install.
      Executing: /lib/systemd/systemd-sysv-install enable apache2
      Created symlink /etc/systemd/system/multi-user.target.wants/zabbix-server.servic
      e → /lib/systemd/system/zabbix-server.service.
      root@ip-172-31-7-180:/home/ubuntu#
```

After that edit the security group in aws console,In server enabled to security group ports: zabbix server

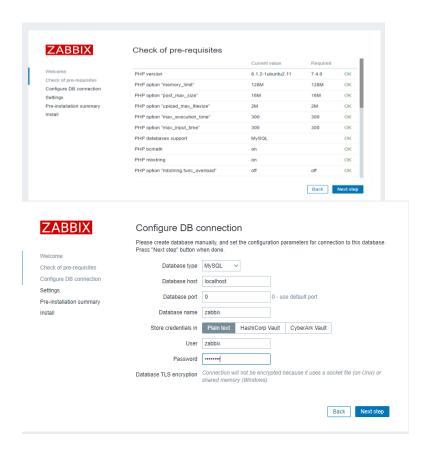
- Http port No 80
- Http port No 443
- Ssh-port No-22
- Zabbix port No 10050
- In Ip address select the "what is my Ip" and add that Ip in source



Open Zabbix UI web page the default URL for Zabbix UI when using Apache web server is (public Ip/zabbix) hit



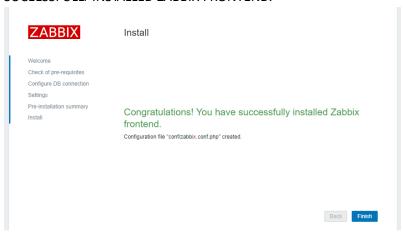
 We need to enter the user's name(zabbix) and password (Limited@123) while created on the server.



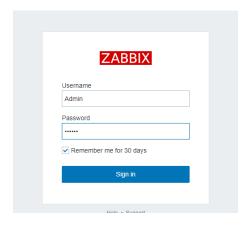
We need to set the Zabbix server name and time zone (Asia kolkatta5.30).



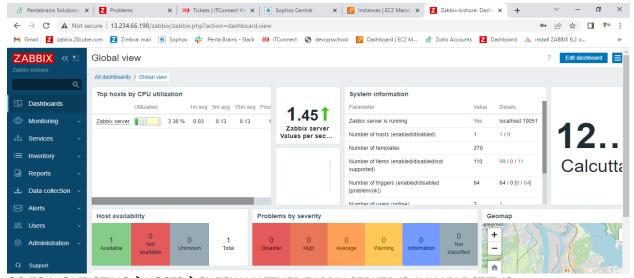
#### SUCEESSFULLY INSTALLED ZABBIX FRONTEND.



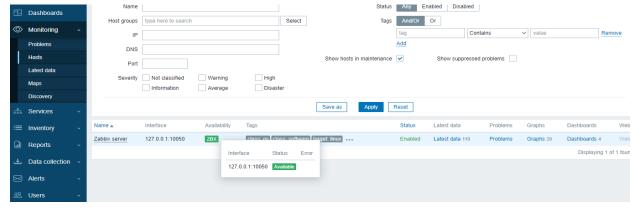
installing completed status after that USERNAME Admin & password zabbix (default).



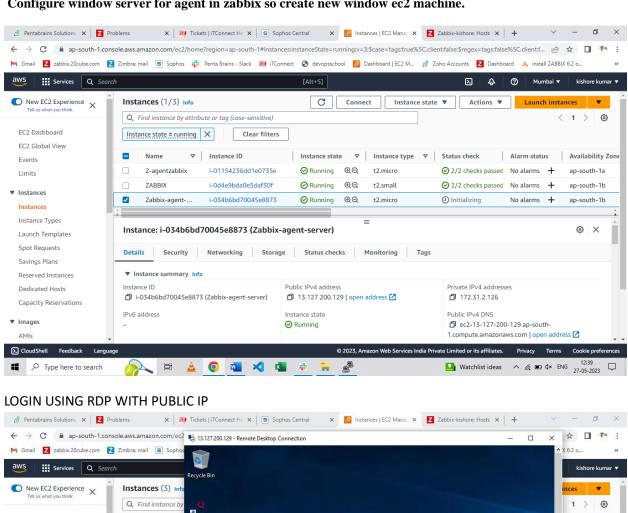
#### ZABBIX CONSOLEWITH GOBAL VIEW DASHBOARD

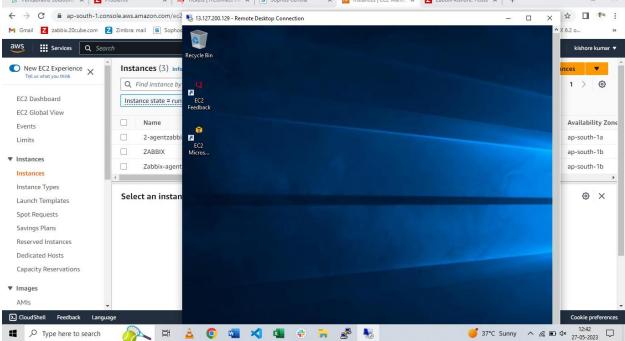


#### GO TO MONTIOTING→HOSTS→CHECK WHETHER ZABBIX SERVER IS AVAIABLE STATUS.

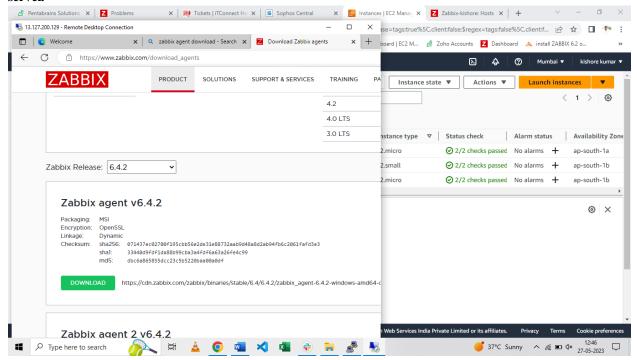


Configure window server for agent in zabbix so create new window ec2 machine.

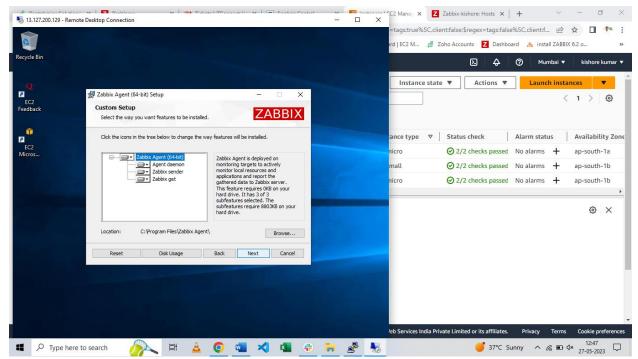




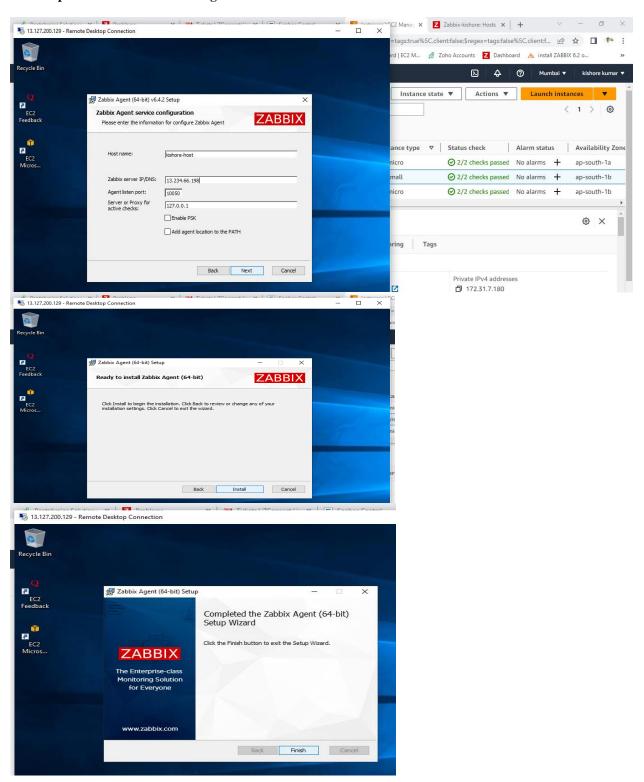
Installing Zabbix agent in server by browse the zabbix agent download in internet and install in window server.



#### **INSTALL**

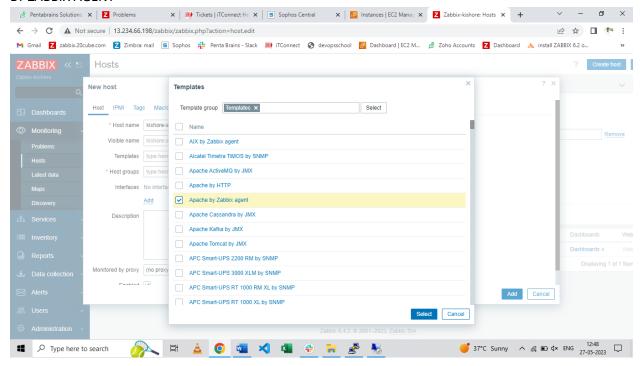


During installing hostname default and Zabbix server Ip should be main public Ip of zabbix server. After completed Restart the zabbix agent and host in zabbix server.

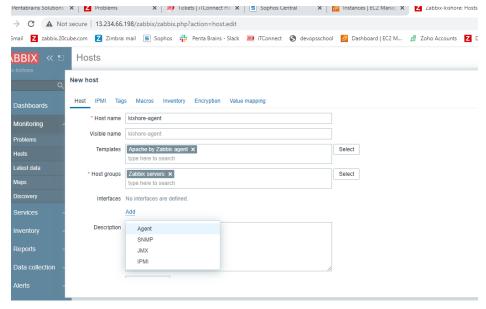


#### **CREATE NEW HOSTS** x | M Tickets | iTConnect He x | Sophos Central x | O Instances | EC2 Manag x Z Zabbix-kishore: Hosts x + Pentabrains Solutions X Z Problems 🗧 ightarrow C 🛕 Not secure | 13.234.66.198/zabbis/zabbis/php?name=&ip=&dns=&port=&status=-1&evaltype=0&tags%5B0%5D%5Btag%5D=&tags%5B0%5D%5Boperator%5D=0&... 😥 🗴 🔲 🎨 : M Gmail 🗾 zabbix:20cube.com 🔀 Zimbra: mail 🗐 Sophos 🏰 Penta Brains - Slack 🛍 iTConnect 🚱 devopsschool 🙋 Dashboard | EC2 M... 👌 Zoho Accounts 🔁 Dashboard 🟡 install ZABBIX 6.2 o ZABBIX « 🖺 Hosts Status Any Enabled Disabled Select Tags And/Or Or Host groups type here to search Monitoring Contains ∨ value tag Problems Add Show suppressed problems Latest data Disaster Information Average Apply Reset \* Services Availability Latest data Dashboards ∷ Inventory 127.0.0.1:10050 class: os class: software target: linux •••• Zabbix server

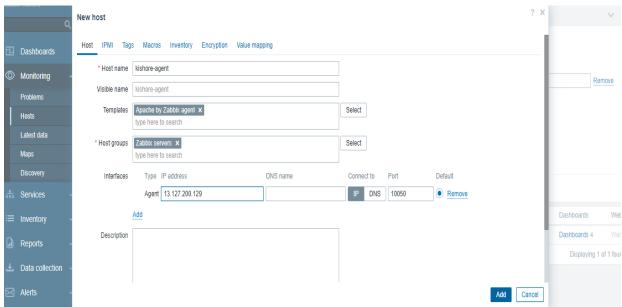
# ENTER HOST NAME (WHICH GIVEN IN TIME OF INSTALLING ) AFTER THAT SELECT TEMPLATE $\rightarrow$ APACHE BY ZABBIX AGENT



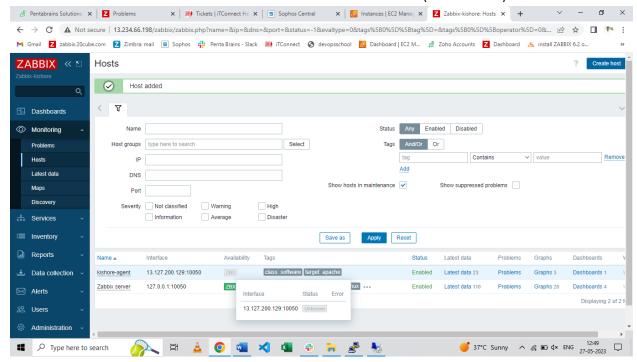
#### SELECT HOST GROUPS→ZABBIX SERVERS & GO TO ADD OPTION →AGENT



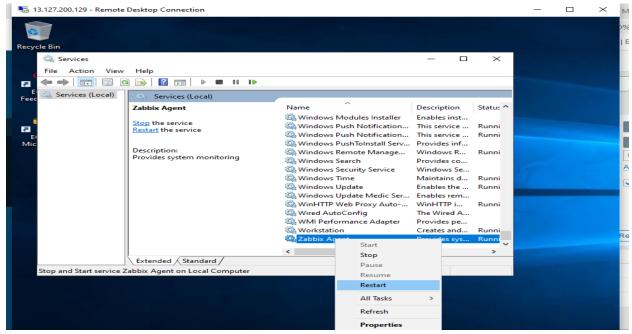
#### NOW ENTER WINDOW ZABBIX AGENT INSTALLED SERVER PUBLIC IP



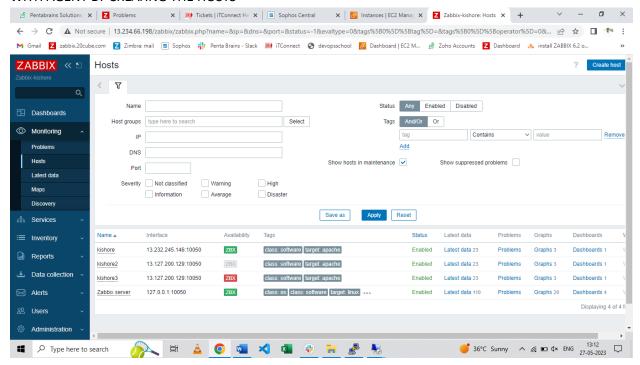
AFTER THIS HOST ADDED REFRESH PAGE BUT SERVER IS ON UNKNOW (UNAVAIABLE) SO RESTART AGENT.



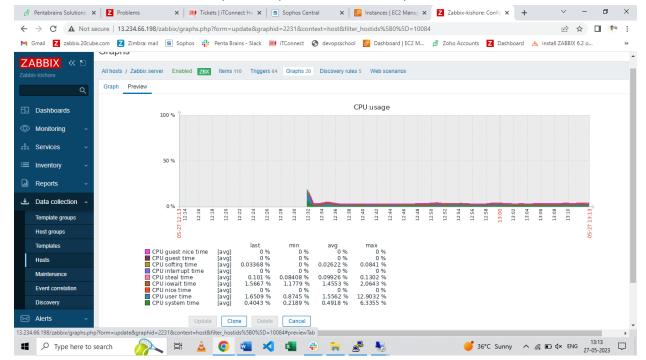
GO→WINDOW →SEARCH→SERVICES→ZABBIX AGENT(RIGHT CLICK)→RESTART



NOW REFRESH THE PAGE SERVER WILL BE ON GREEN COLOUR (WHICH MEAN SERVER LINKED WITH ZABBIX SERVER AND SENDING DATA TO IT)LIKE THIS NEW CAN CREATE MORE SERVER TO MONTORING WITH AGENT BY CREATING THE HOSTS



#### WE CAN MONTOR GRAPHS OF CPU, MEMORY, SERVER USAGE ETC...,



### AND WE TRIGGERS WENT CPU USAGE IS HIGH BY ALERTING MESSAGE Pentabrains Solutions × Problems x M Tickets | iTConnect He x Sophos Central x M Instances | EC2 Manag x Zabbix-kishore: Config x + ← → C 🛕 Not secure | 13.234.66.198/zabbix/graphs.php?form=update&graphid=2234&context=host&filter\_hostids%5B0%5D=10084 M Gmail Z zabbix:20cube.com Z Zimbra: mail 🗐 Sophos 🏰 Penta Brains - Slack 膼 iTConnect 🚱 devopsschool 🙋 Dashboard | EC2 M... 💋 Zoho Accounts 🗾 Dashboard 🛦 install ZABBIX 6.2 o... ZABBIX « 🖺 All hosts / Zabbix server Enabled ZBX Items 110 Triggers 64 Graphs 20 Discovery rules 5 Web scenarios Graph Preview Memory utilization 100 % Monitoring & Services :≡ Inventory Reports 22.20 22.22 22.23 22.24 22.23 22.23 22.24 22.24 22.25 ■ Memory utilization [avg] 57.2659 % 51.8725 % 56.0917 % 57.2659 % © Trigger: High memory utilization [> 90] Update Clone Delete Cancel =update&graphid=2234&context=host&filter\_hostids%5B0%5D=10084#previewTab // H 🛕 🧿 👊 🗷 🚇 💀 😓 THIS IS NETWORK MAP BY THIS WE CAN CONNECT SERVER 🕑 Pentabrains Solutions 🗴 🔀 Problems x 🔀 Troblems x 💌 11 Cickets | 11 Connect He x | 🖺 Sophos Central x | 10 Instances | EC2 Manag x Zabbix-kishore: Config x + ← → C ▲ Not secure | 13.234.66.198/zabbix/sysmap.php?sysmapid=1 M Gmail 🗾 zabbix/20cube.com 🔁 Zimbra: mail 🗐 Sophos 🏰 Penta Brains - Slack 🛍 iTConnect 🔇 devopsschool 🙆 Dashboard | EC2 M... 💋 Zoho Accounts 🔁 Dashboard 🛦 install ZABBIX 6.2 o... ZABBIX « 🖺 Network maps Map element: Add / Remove Shape: Add / Remove Link: Add / Remove Expand macros: On Grid: Shown / On 50x50 ■ Dashboards Monitoring & Services Alerts 29 Users Zabbix 6.4.2. @ 2001–2023, Zabbix SIA Administration Type here to search 🖽 🛕 🧿 👊 刘 🐠 🤴 岩