

2.

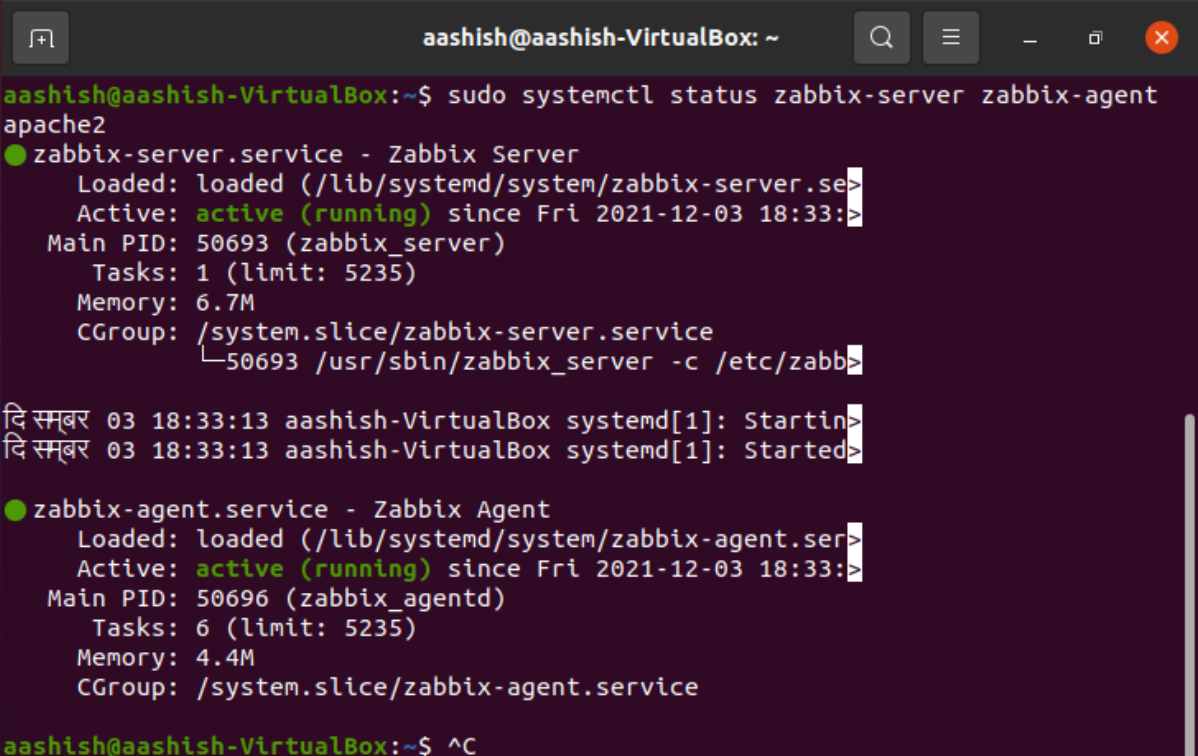
Provide screenshot of

- Running Zabbix Server service,
- Database config parameter in server config file
- Server Dashboard

Answer:

First, we check the zabbix-server service status as follows;

- **sudo systemctl status zabbix-server**

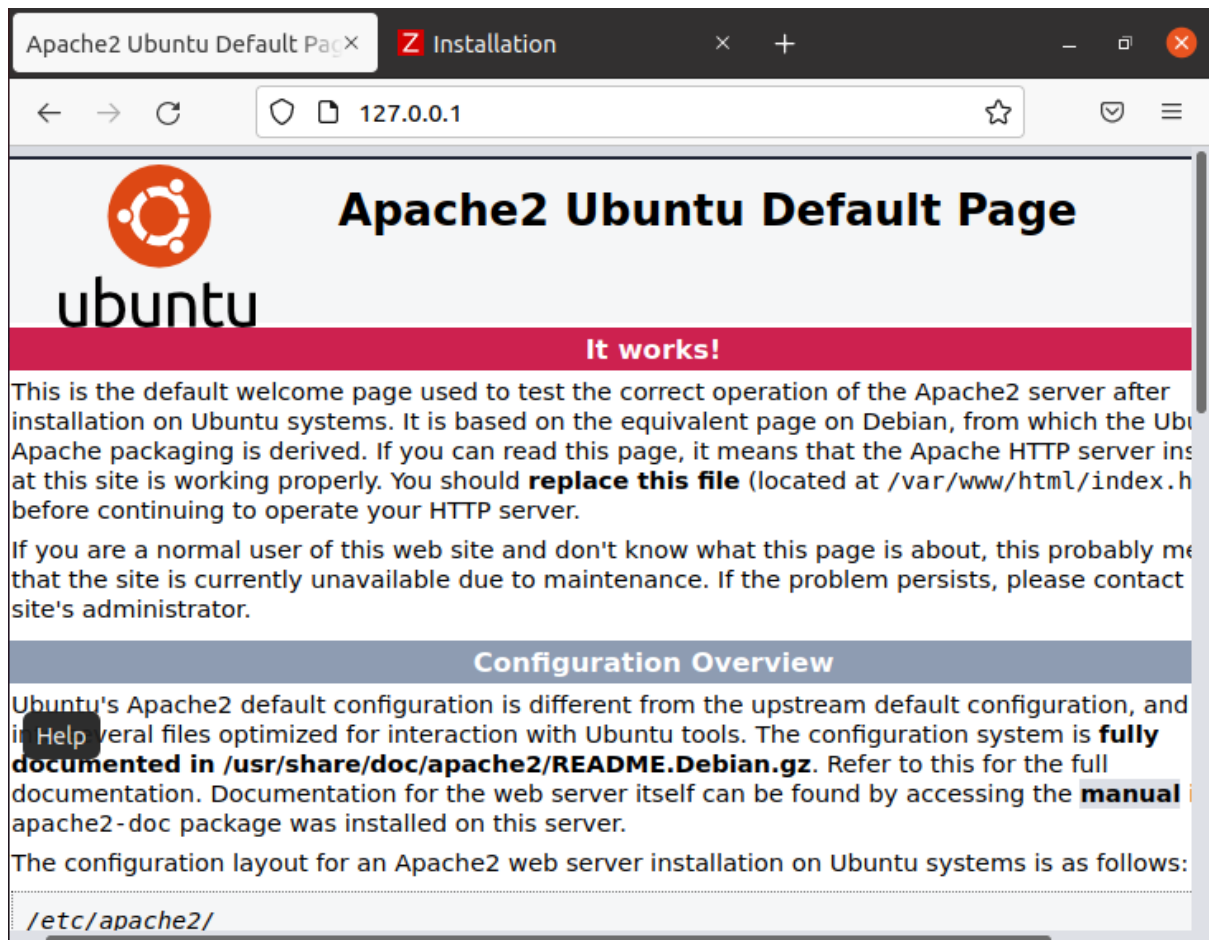


```
aashish@aashish-VirtualBox: ~  
aashish@aashish-VirtualBox:~$ sudo systemctl status zabbix-server zabbix-agent apache2  
● zabbix-server.service - Zabbix Server  
   Loaded: loaded (/lib/systemd/system/zabbix-server.service; vendor preset: enabled)  
   Active: active (running) since Fri 2021-12-03 18:33:13; 1min 1s ago  
     Main PID: 50693 (zabbix_server)  
       Tasks: 1 (limit: 5235)  
      Memory: 6.7M  
     CGroup: /system.slice/zabbix-server.service  
            └─50693 /usr/sbin/zabbix_server -c /etc/zabbix/zabbix_server.conf  
  
दि सम्बर 03 18:33:13 aashish-VirtualBox systemd[1]: Starting Zabbix Server: zabbix_server.  
दि सम्बर 03 18:33:13 aashish-VirtualBox systemd[1]: Started Zabbix Server: zabbix_server.  
  
● zabbix-agent.service - Zabbix Agent  
   Loaded: loaded (/lib/systemd/system/zabbix-agent.service; vendor preset: enabled)  
   Active: active (running) since Fri 2021-12-03 18:33:13; 1min 1s ago  
     Main PID: 50696 (zabbix_agentd)  
       Tasks: 6 (limit: 5235)  
      Memory: 4.4M  
     CGroup: /system.slice/zabbix-agent.service  
  
aashish@aashish-VirtualBox:~$ ^C
```

Next, we can verify that either apache server is running or not via browser as follows;

- **<http://127.0.0.1>**

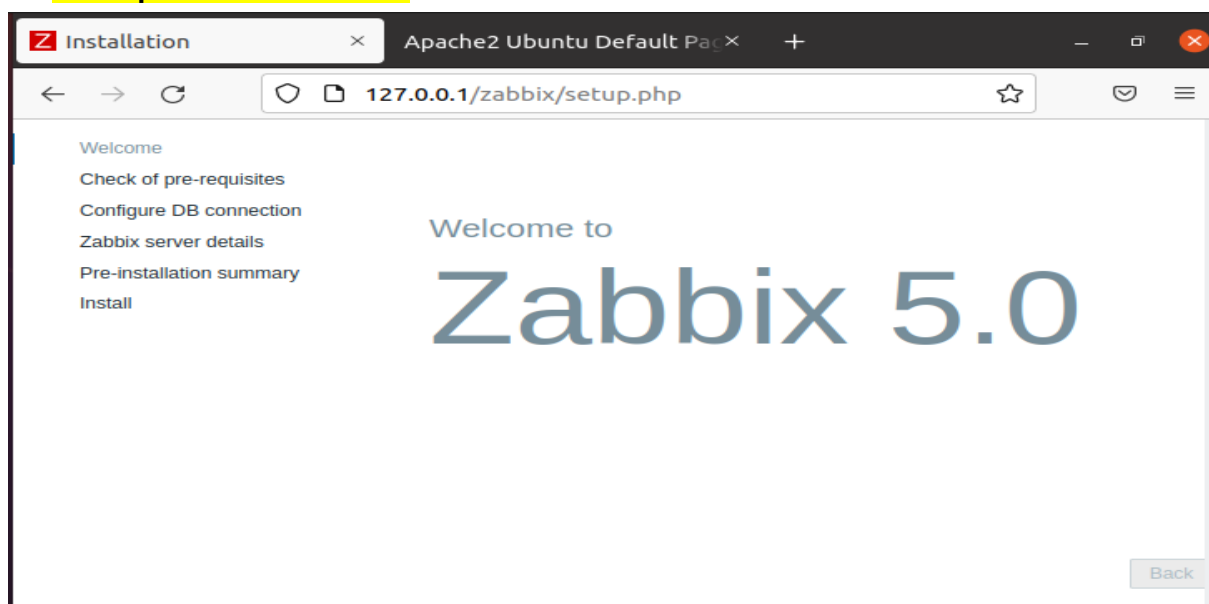
- **<http://localhost>**



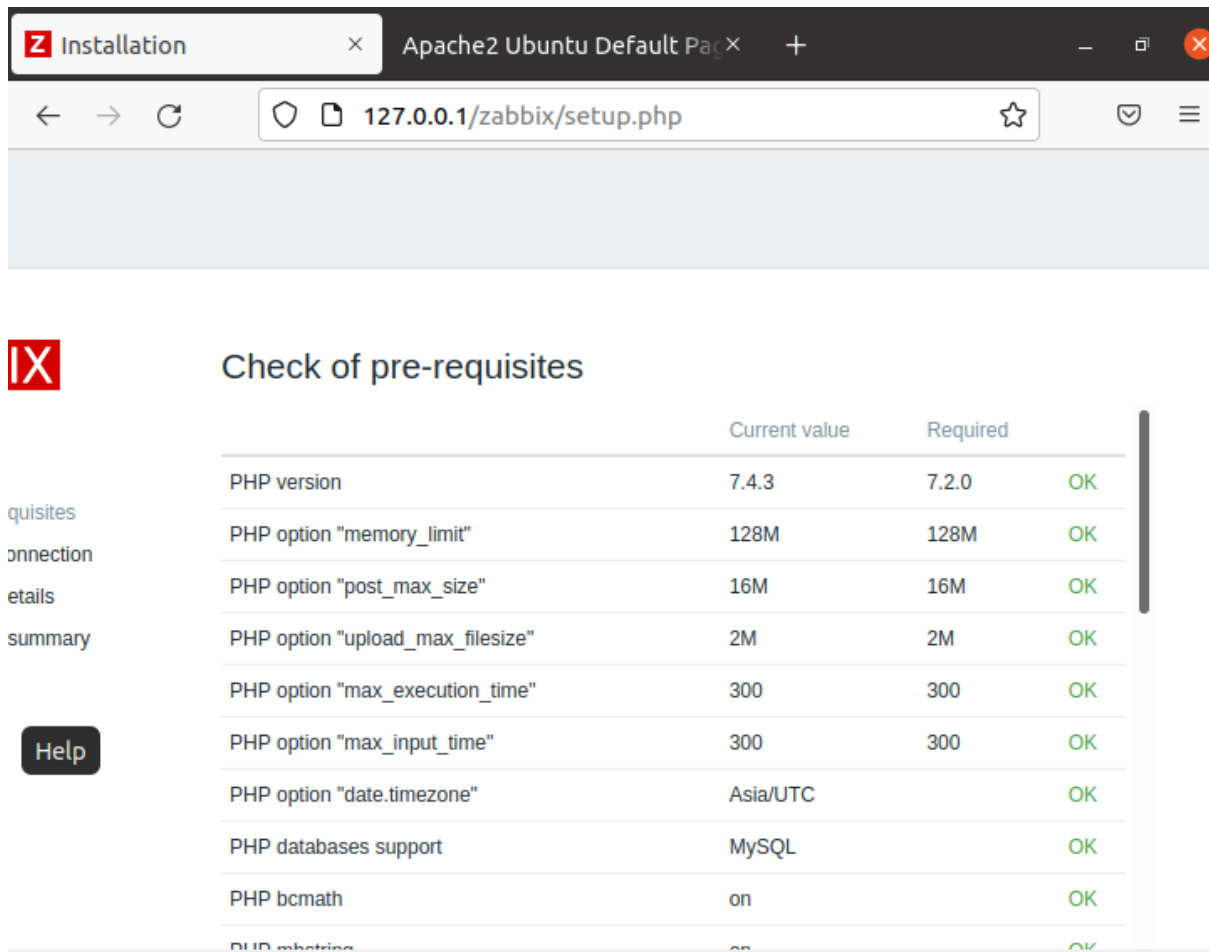
Apache2 server default page was displayed which states that the apache2 server is working fine.

Next, we access the zabbix frontend in web browser as follows;

- <http://127.0.0.1/zabbix>
- <http://localhost/zabbix>



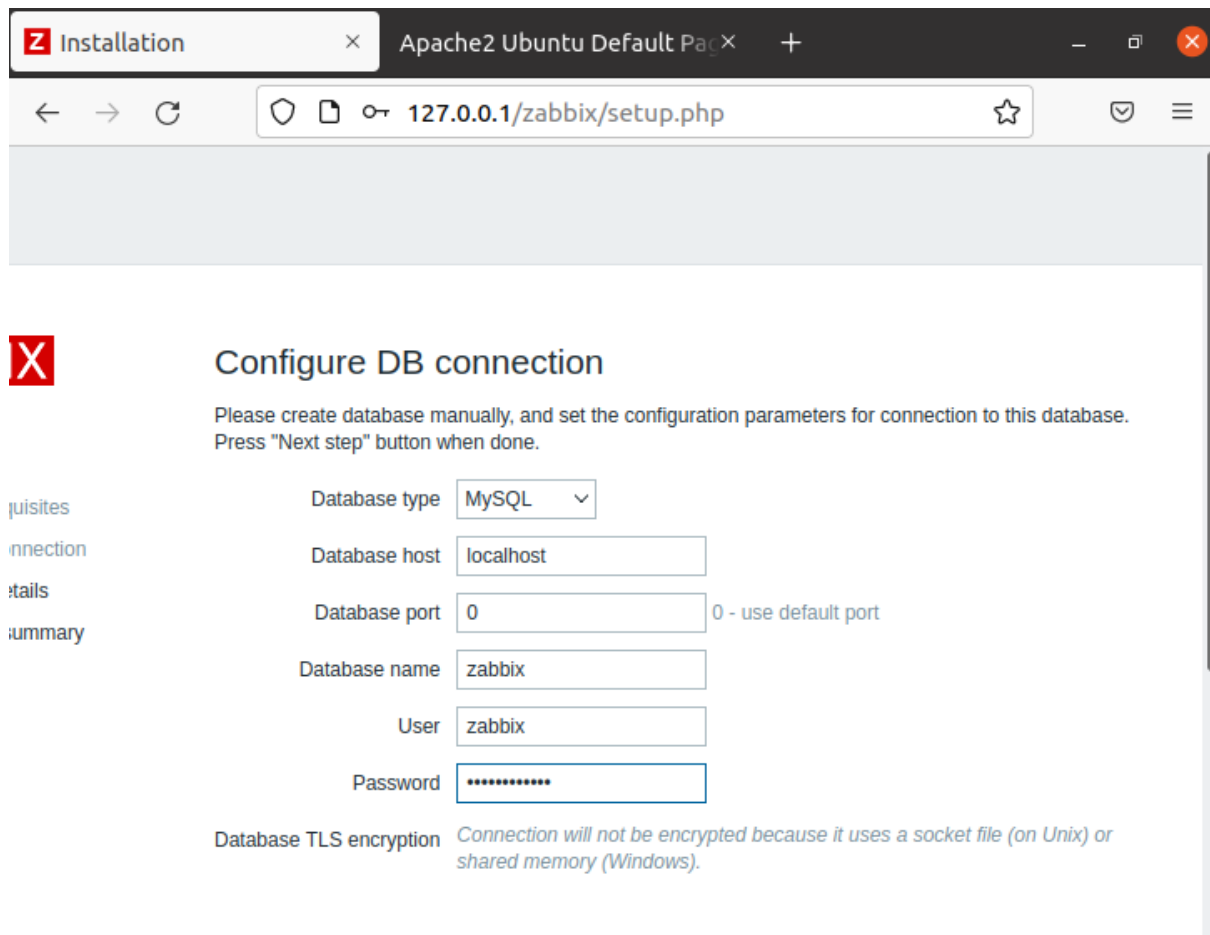
We click on next button which redirects to the check prerequisite page as follows;



The screenshot shows a web browser window with the address bar displaying `127.0.0.1/zabbix/setup.php`. The page title is "Check of pre-requisites". On the left, there is a sidebar with a red "IX" logo and a list of navigation links: "quisites", "onnection", "etails", "summary", and a "Help" button. The main content area displays a table of prerequisites.

	Current value	Required	
PHP version	7.4.3	7.2.0	OK
PHP option "memory_limit"	128M	128M	OK
PHP option "post_max_size"	16M	16M	OK
PHP option "upload_max_filesize"	2M	2M	OK
PHP option "max_execution_time"	300	300	OK
PHP option "max_input_time"	300	300	OK
PHP option "date.timezone"	Asia/UTC		OK
PHP databases support	MySQL		OK
PHP bcmath	on		OK
PHP mbstring	on		OK

Again, we click on next button which will redirect to configure DB connection page then we select database type and enter port,username,password as follows;



The screenshot shows a web browser window with the address bar displaying `127.0.0.1/zabbix/setup.php`. The page title is "Configure DB connection". A sidebar on the left contains a list of installation steps: "Welcome", "Check of pre-requisites", "Configure DB connection" (which is highlighted), "Zabbix server details", "Pre-installation summary", and "Install". The main content area has a red "X" icon and the heading "Configure DB connection". Below the heading is a paragraph: "Please create database manually, and set the configuration parameters for connection to this database. Press 'Next step' button when done." The configuration form includes the following fields: "Database type" (a dropdown menu set to "MySQL"), "Database host" (text input with "localhost"), "Database port" (text input with "0" and a note "0 - use default port"), "Database name" (text input with "zabbix"), "User" (text input with "zabbix"), and "Password" (password input field with masked characters). At the bottom, there is a section for "Database TLS encryption" with a note: "Connection will not be encrypted because it uses a socket file (on Unix) or shared memory (Windows)."

Configure DB connection

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

Database type: MySQL

Database host: localhost

Database port: 0 (0 - use default port)

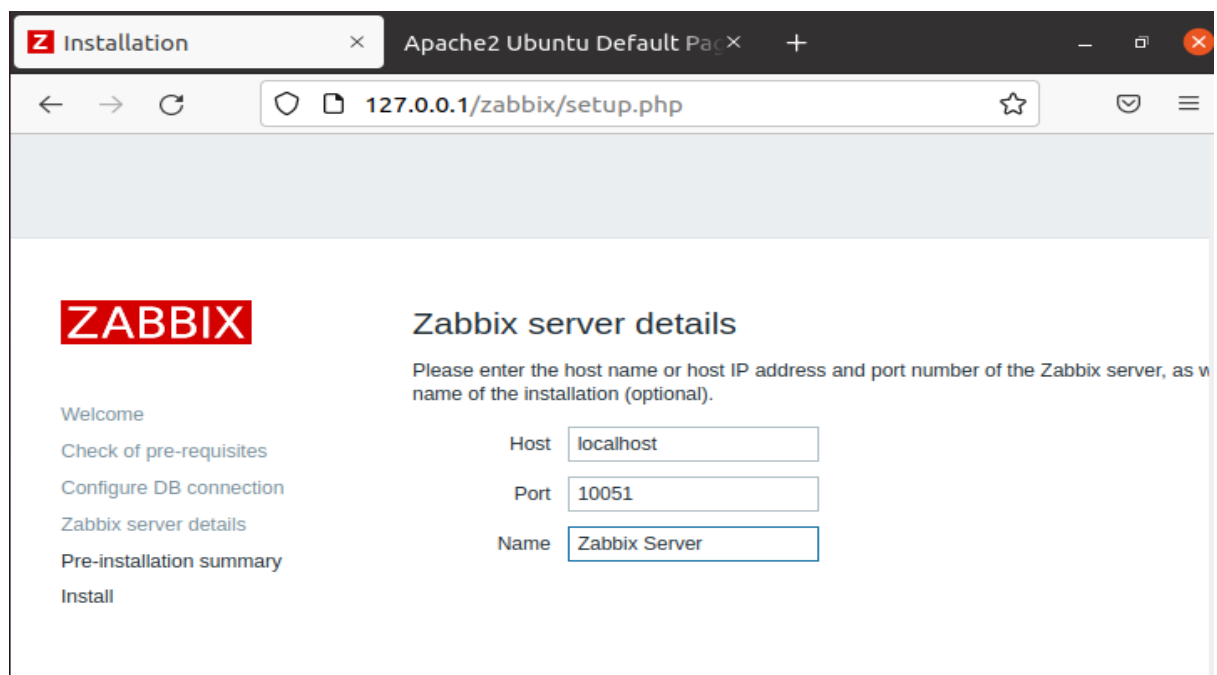
Database name: zabbix

User: zabbix

Password: [masked]

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

After clicking on next button it will redirect to Zabbix server details page where we enter host, name and port as follows;



The screenshot shows the same web browser window, but the page has advanced to the "Zabbix server details" step. The sidebar on the left now highlights "Zabbix server details". The main content area features the ZABBIX logo and the heading "Zabbix server details". Below the heading is a paragraph: "Please enter the host name or host IP address and port number of the Zabbix server, as well as the name of the installation (optional)." The configuration form includes the following fields: "Host" (text input with "localhost"), "Port" (text input with "10051"), and "Name" (text input with "Zabbix Server").

ZABBIX

Zabbix server details

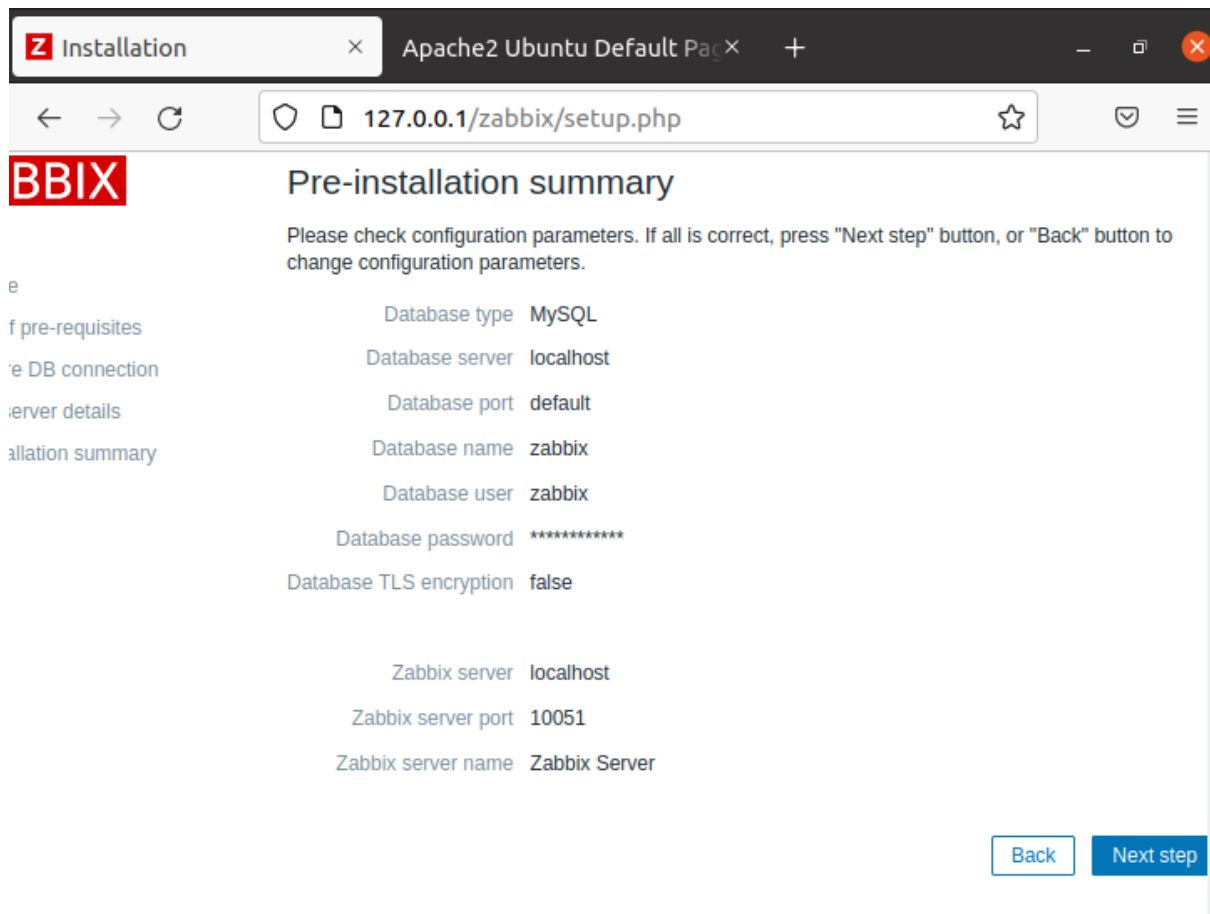
Please enter the host name or host IP address and port number of the Zabbix server, as well as the name of the installation (optional).

Host: localhost

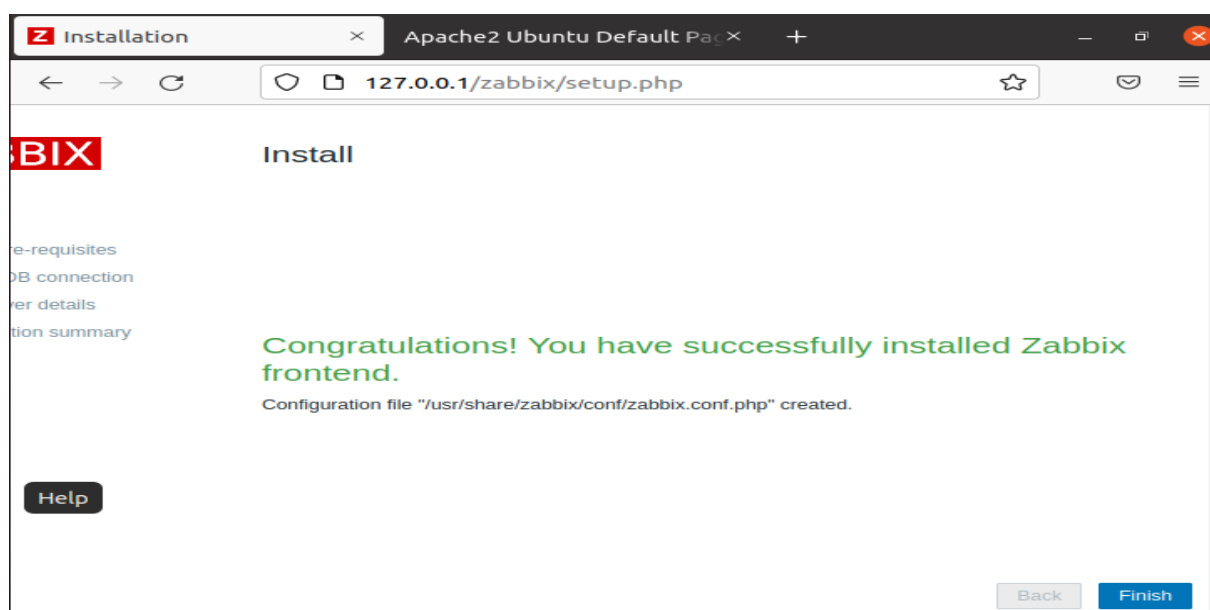
Port: 10051

Name: Zabbix Server

After clicking on the next, we will be redirected to the pre-installation summary page as follows;



Then, we click on the next button which will redirect to the page which will display message as follows;



After clicking on the finish, we will be redirected to the zabbix dashboard as follows;

The screenshot shows the Zabbix Server Dashboard in a web browser. The browser's address bar displays the URL `127.0.0.1/zabbix/zabbix.php?action=dashboard.view`. The dashboard has a dark blue sidebar on the left with the Zabbix logo and a search bar. The main content area is titled "Global view" and contains several sections:

- System information**: A table with columns "Parameter", "Value", and "Details".

Parameter	Value	Details
Zabbix server is running	No	localhost:10051
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)		
- Problems by sever**: A red box showing "0 Disaster".
- Problems**: A section with a table header showing "Time", "Info", "Host", and "Problem • Severity". Below the header, it says "No data found."