

Ubuntu 20.04 LTS & Zabbix 6.0 Installation Guide

1-) Ubuntu iso server download sayfasına gidilir.

Google

Yaklaşık 5.710.000 sonuç bulundu (0,46 saniye)

İpucu: Yalnızca **Türkçe** sonuçları arayın. Arama dilinizi **Tercihler** sayfasında belirtebilirsiniz.

<https://ubuntu.com/download/server> [Bu sayfanın çevirisini yap](#)

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Ubuntu 20.04.5 LTS (Focal Fossa)

The **server install** image allows you to **install Ubuntu** permanently on a computer for ...

ubuntu-20.04.5-live-server-amd64.iso, 2022-08-31 07:37, 1.3G, **Server** ...

2- Alternative downloads linkine tıklanılır.

ubuntu.com/download/server

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Get Ubuntu Server


Option 1: Manual server installation

USB or DVD image based physical install

- ✓ OS security guaranteed until April 2027
- ✓ Extended security maintenance until April 2032
- ✓ Commercial support for enterprise customers

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Get Ubuntu Server 20.04 LTS linkine tıklanılır ve indirme başlatılır.

Alternative downloads

BitTorrents

BitTorrent sometimes enables higher download speeds and more reliable downloads of large files.

[Ubuntu Server 22.04.1 LTS](#)

[Ubuntu Server 22.10](#)

Ubuntu Server 20.04 LTS

The previous long-term support version of Ubuntu Server, including support guaranteed until April 2025.

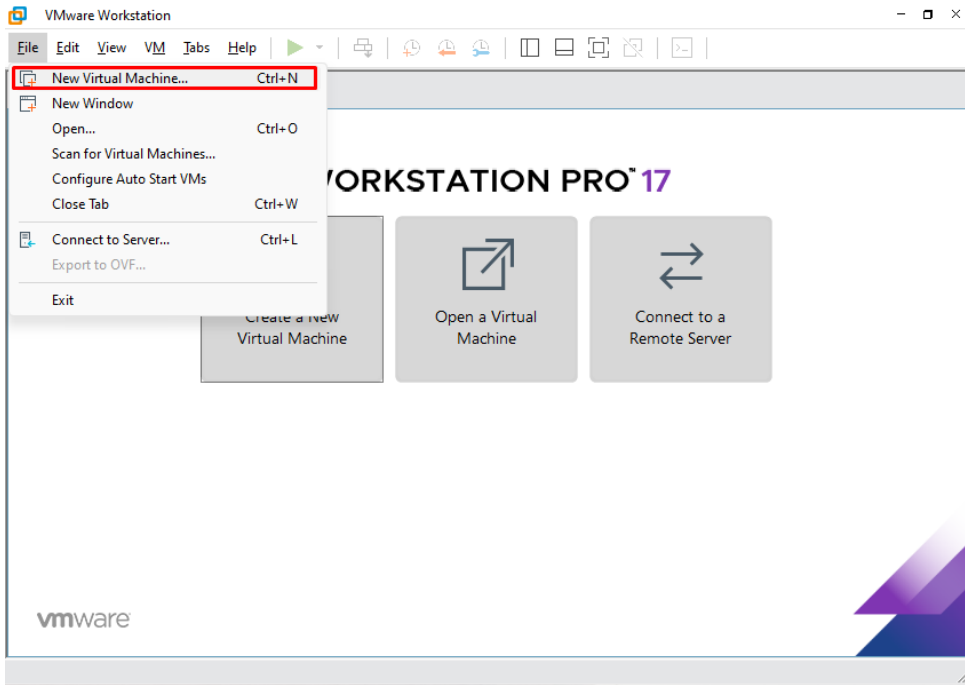
[Get Ubuntu Server 20.04 LTS](#)

Other versions

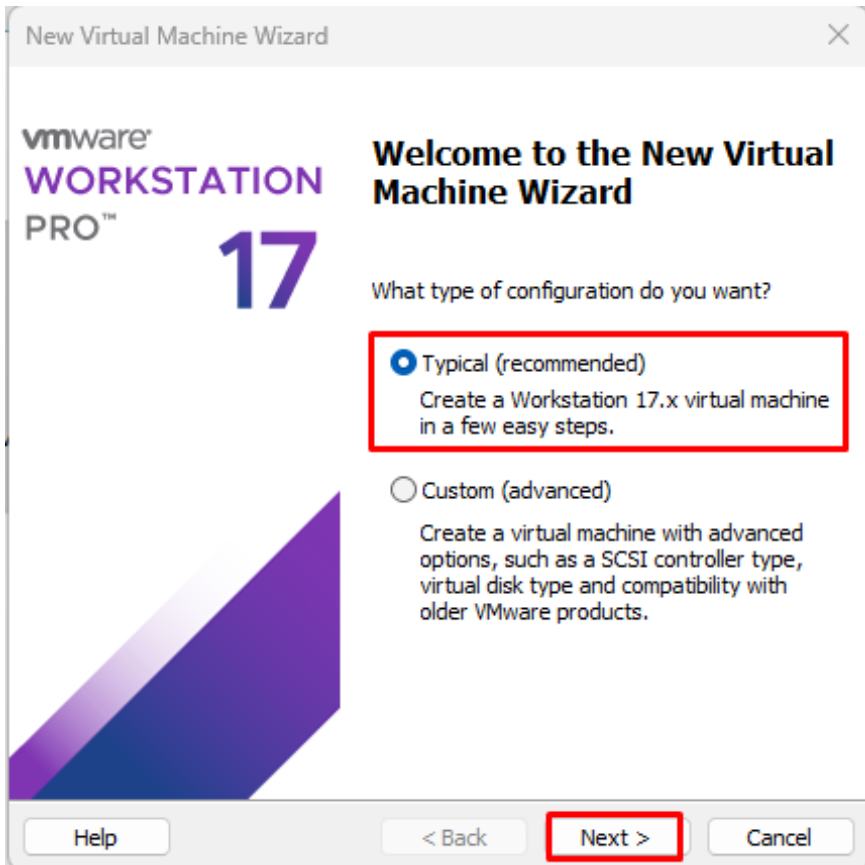
Other versions of Ubuntu Server including torrents, the network installer, a list of local mirrors and past releases.

[See alternative downloads >](#)

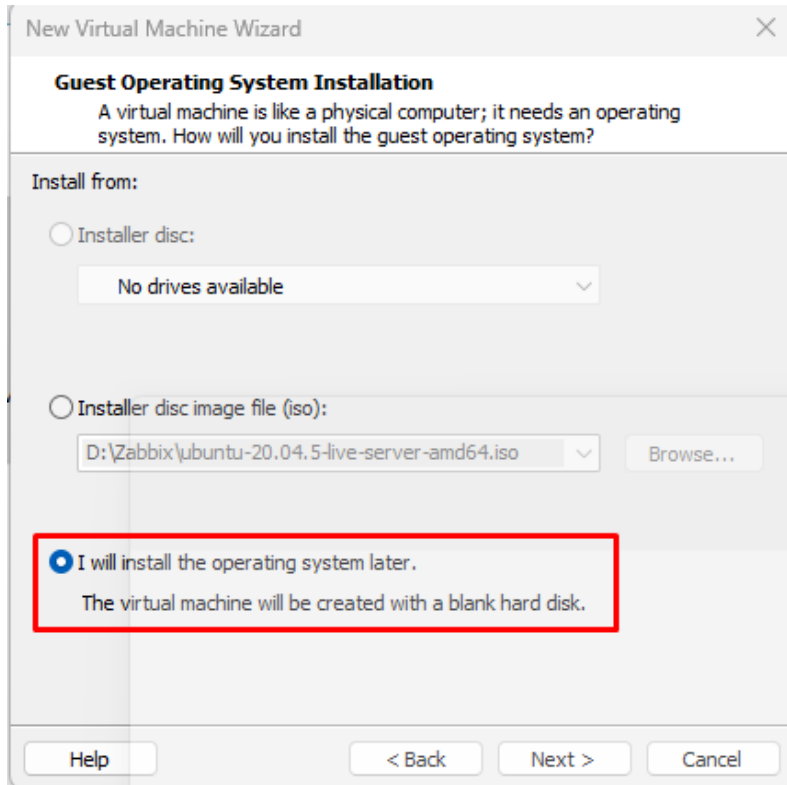
3-) VMware File menüsü üzerinden New virtual machine seçilir.



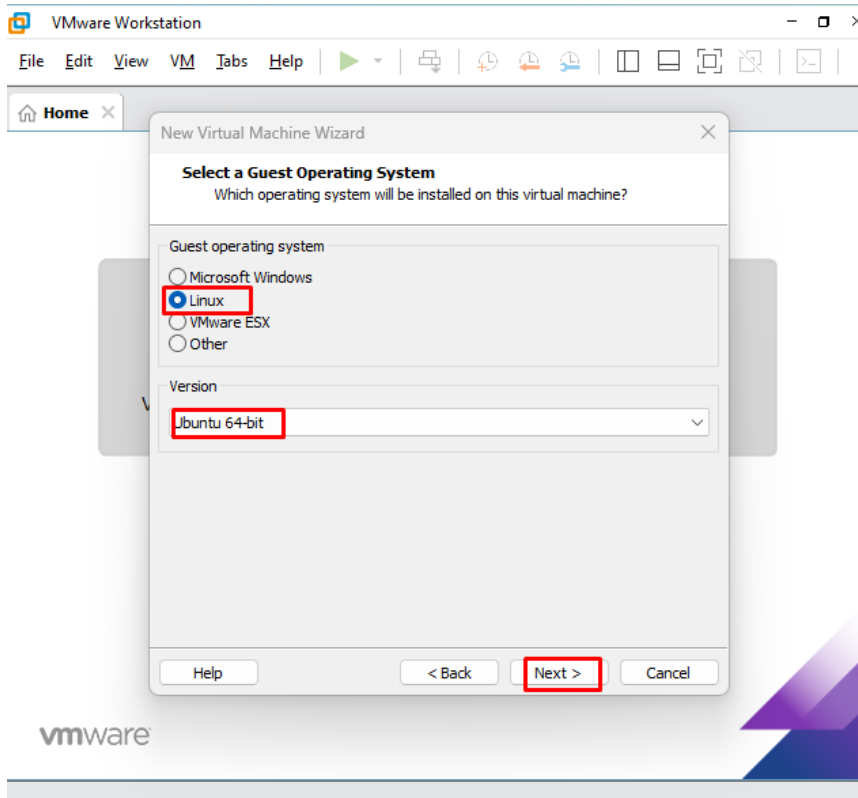
4-) Typical olarak devam edilir.



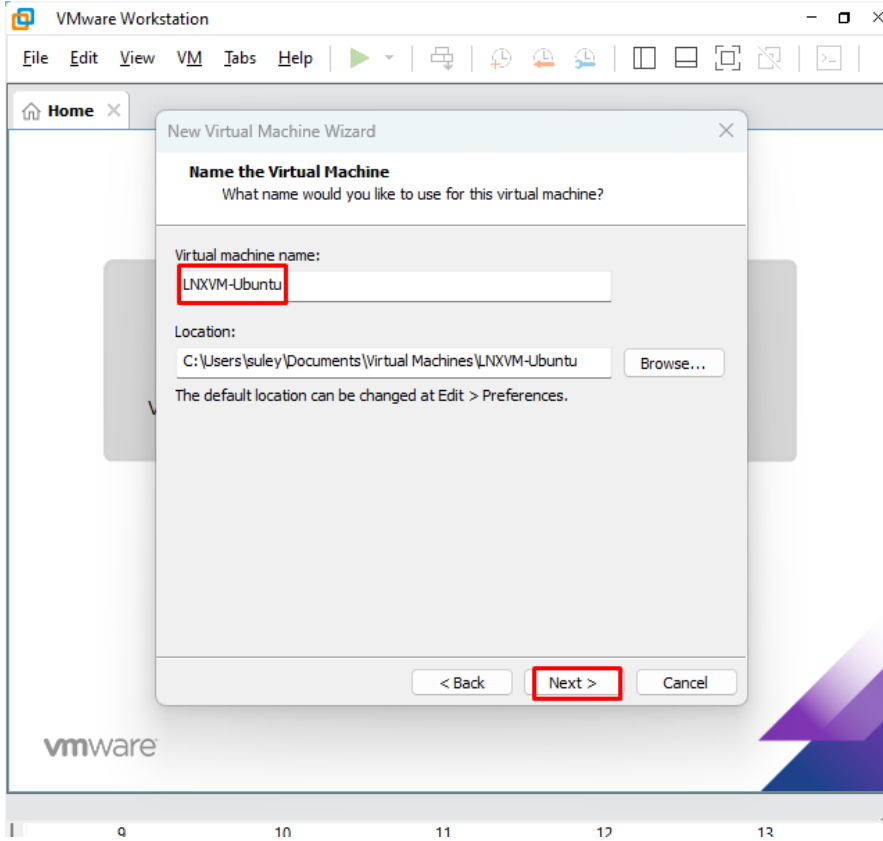
5-) I will install operating system later seçilir



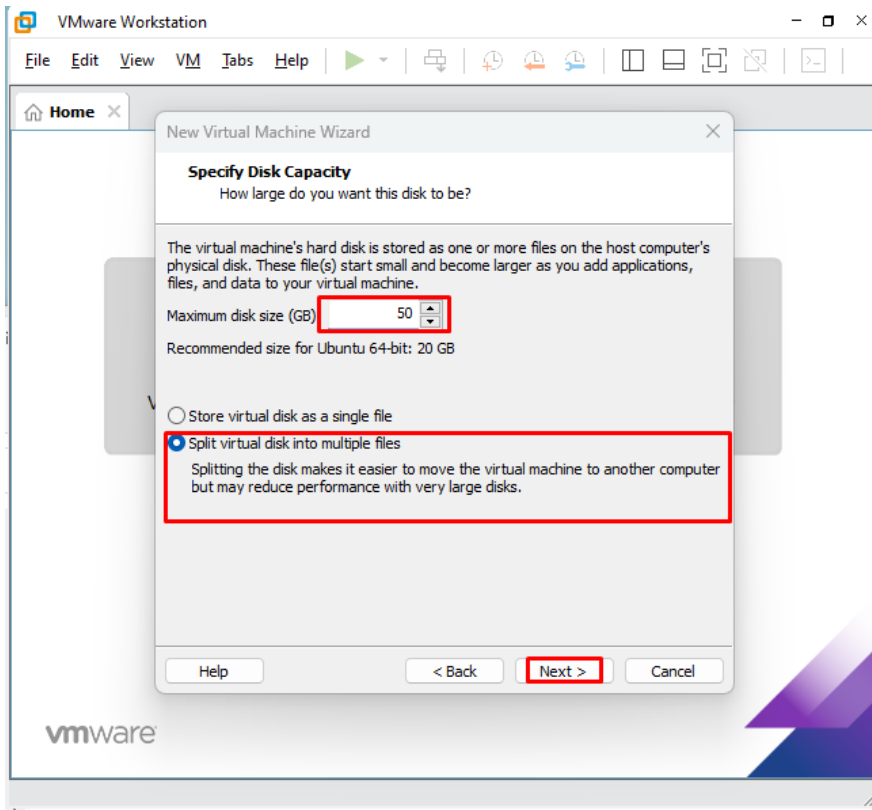
6-) İşletim Sistemi olarak Ubuntu 64 bit seçilir.



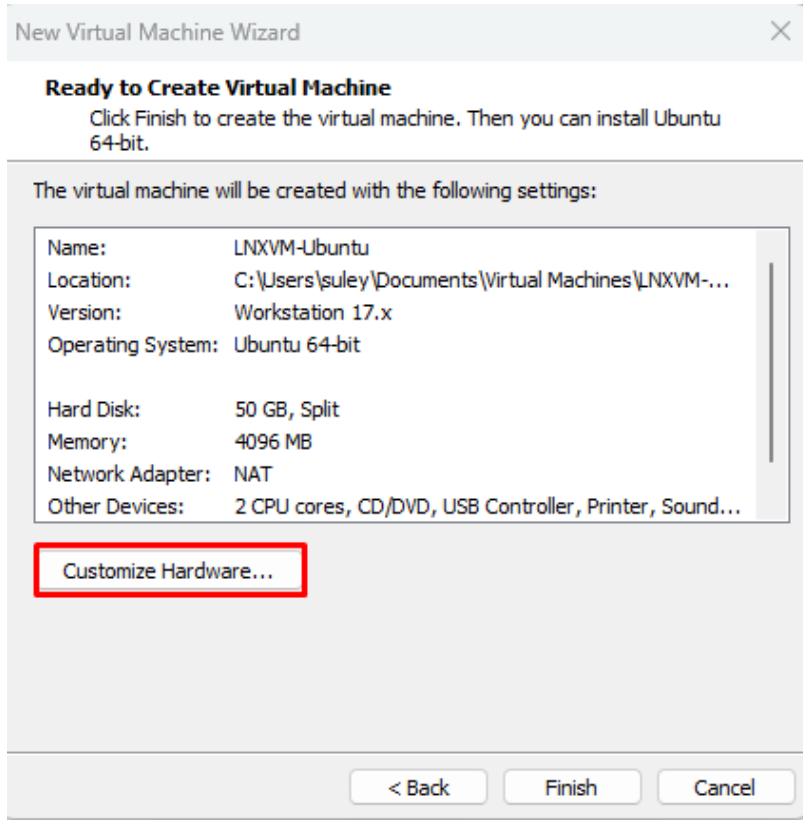
7-) Sanal Makinemize isim veriyoruz.



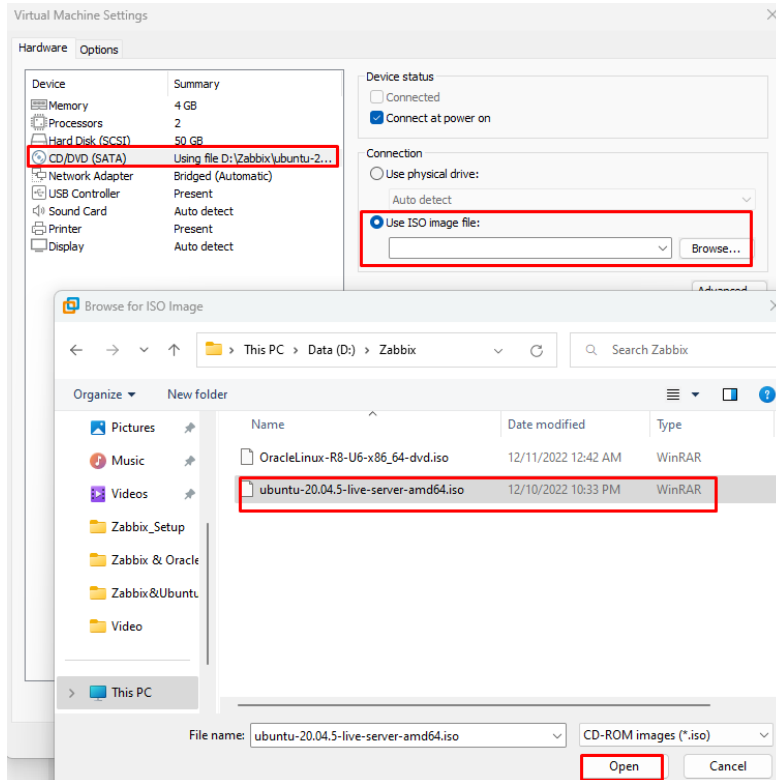
8-) Disk boyutunu 50 gb olarak ayarlıyoruz.



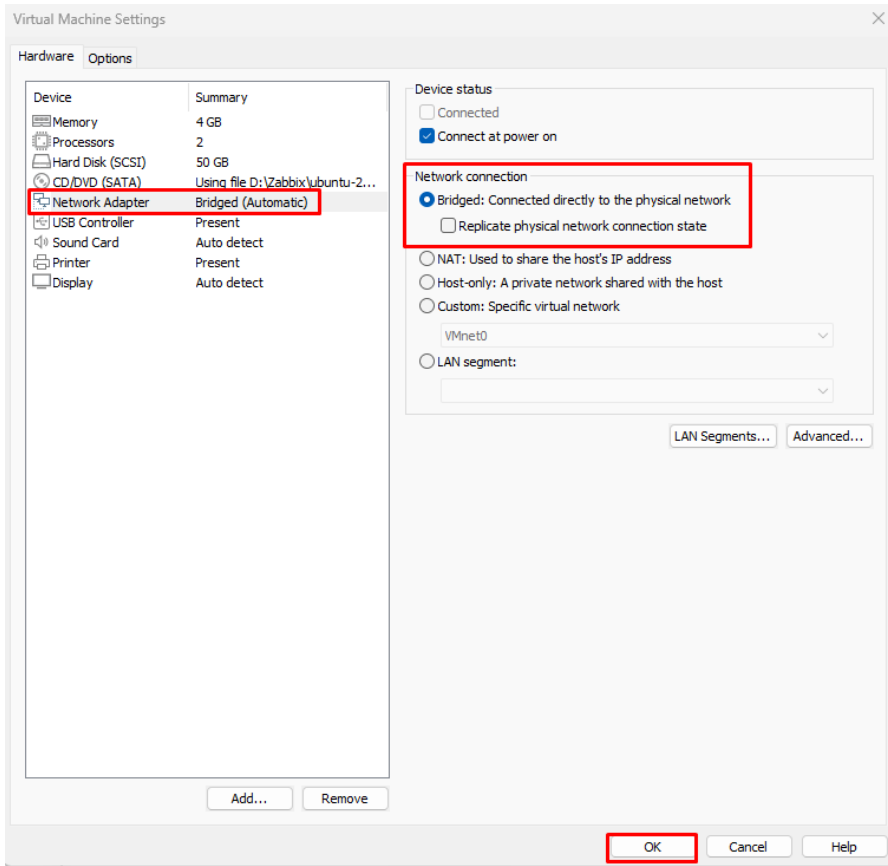
9-) Customize Hardware kısmından ayarlamalar yapıyoruz.



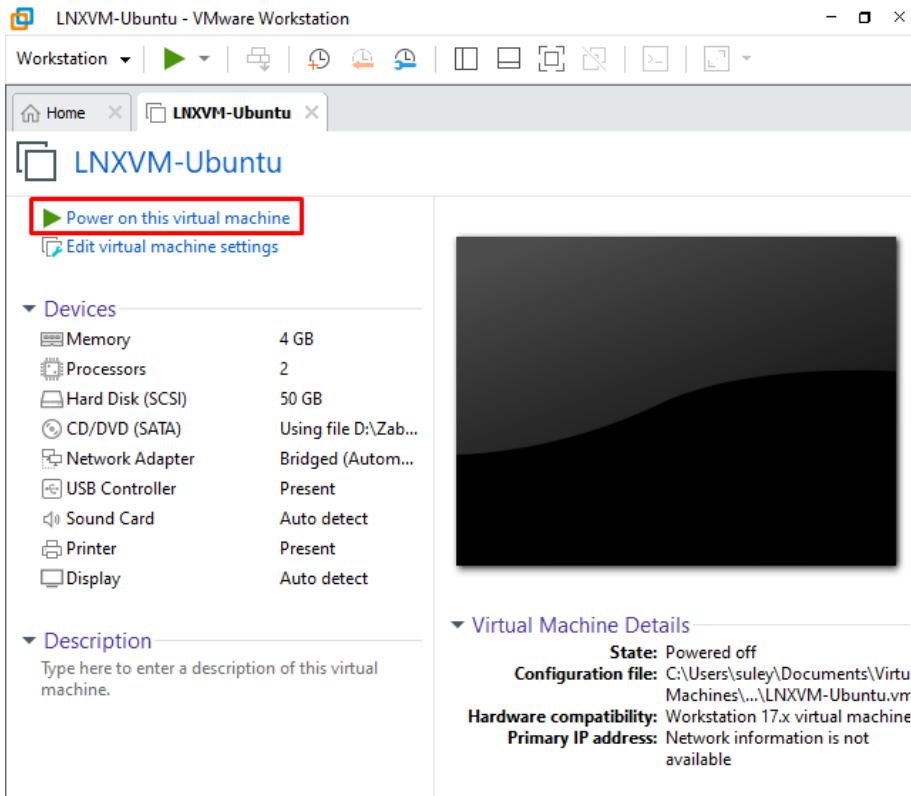
10-) CD/DVD(SATA) kısmından indirdiğimiz Ubuntu Server işletim sistemi iso dosyamızı mount ediyoruz.



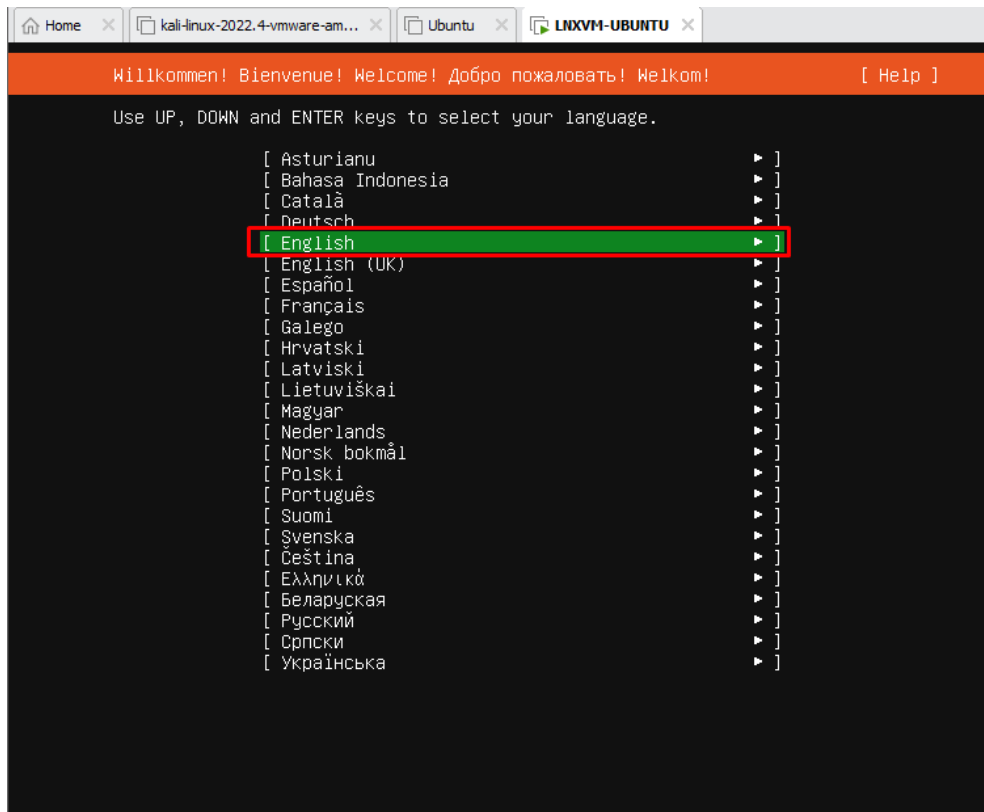
11-) Network Adapter Bridge mode ayarlıyoruz ve OK butonu ile çıkıyoruz



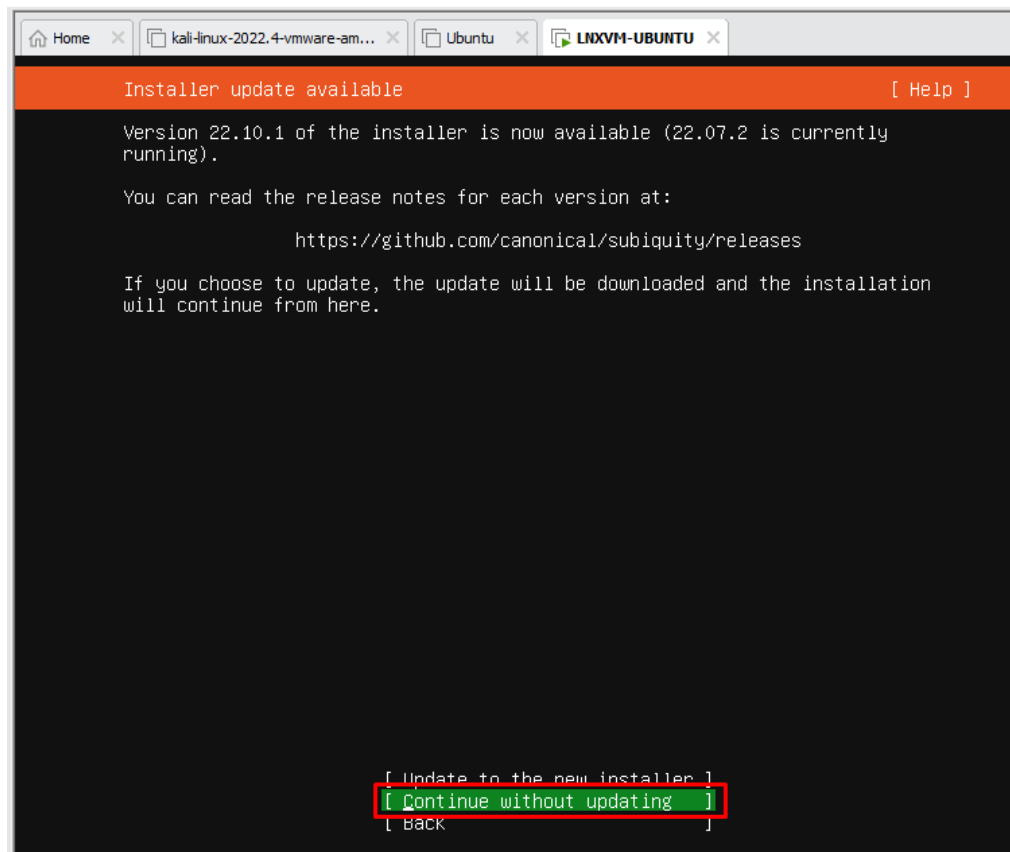
12-) Sanal makinemizi başlatıyoruz.



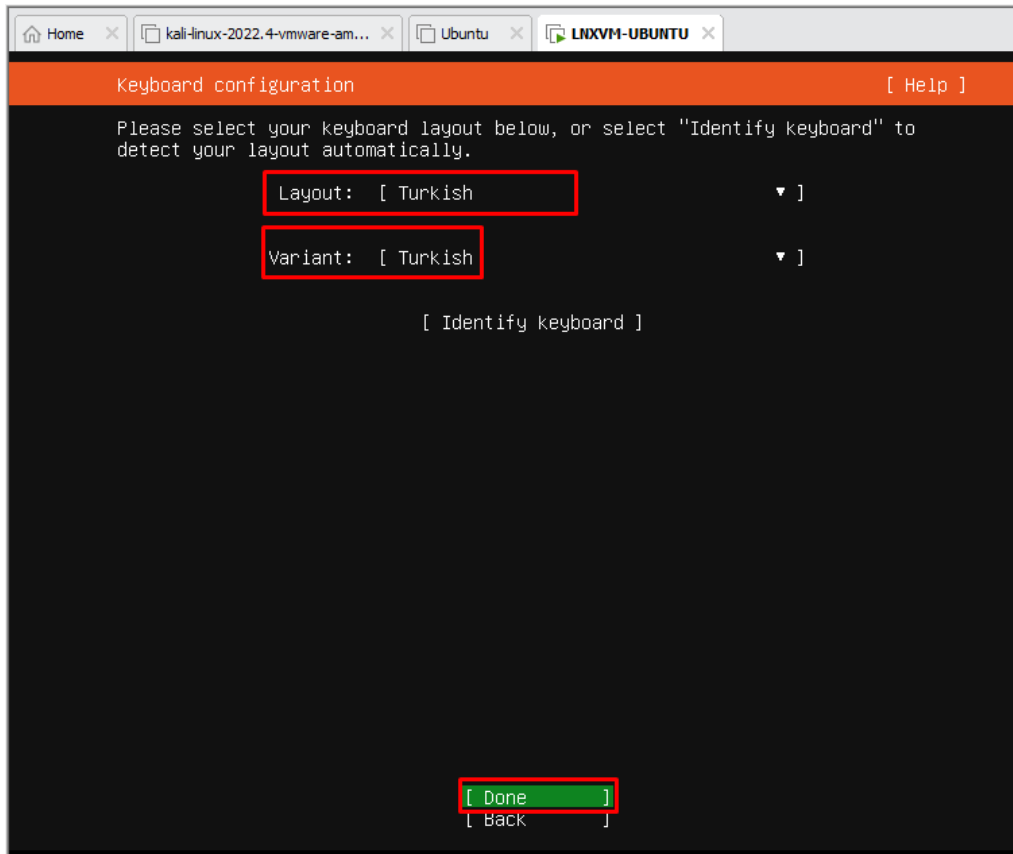
13-) Dil ayarımızı ingilizce seçiyoruz.



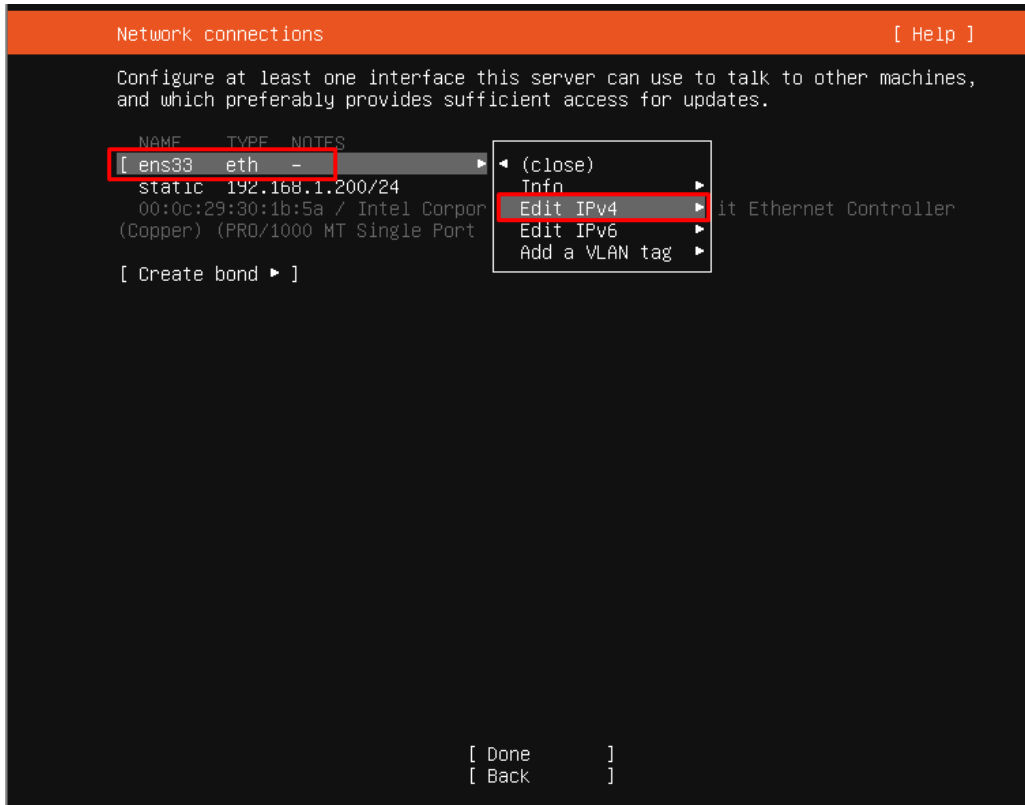
14-) Güncellemeleri sonra yapacağız o yüzden şuanlık güncelleme yapmıyoruz.



15-) Klavye dilini Türkçe olarak ayarlıyoruz.



16-)Network ayarlarımızı ipv4 olarak manuel setliyoruz.



Network connections

[Help]

Configure at least one interface this server can use to talk to other machines, and which preferably provides sufficient access for updates.

NAME	TYPE	NOTES
------	------	-------

Edit ens33 IPv4 configuration

IPv4 Method: [Manual ▼]

Subnet: 192.168.1.0/24

Address: 192.168.1.200

Gateway: 192.168.1.1

Name servers: 8.8.8.8,8.8.4.4

IP addresses, comma separated

Search domains:

Domains, comma separated

[Save]

[Cancel]

[Done]

[Back]

Network connections

[Help]

Configure at least one interface this server can use to talk to other machines, and which preferably provides sufficient access for updates.

NAME	TYPE	NOTES
[ens33	eth	- ▶]
static	192.168.1.200/24	
00:0c:29:30:1b:5a / Intel Corporation / 82545EM Gigabit Ethernet Controller (Copper) (PRO/1000 MT Single Port Adapter)		
[Create bond ▶]		

[Done]

[Back]

Configure proxy

[Help]

If this system requires a proxy to connect to the internet, enter its details here.

Proxy address:

If you need to use a HTTP proxy to access the outside world, enter the proxy information here. Otherwise, leave this blank.

The proxy information should be given in the standard form of "http://[[user] [:pass]@]host[:port]/".

[Done]
[Back]

Configure Ubuntu archive mirror

[Help]

If you use an alternative mirror for Ubuntu, enter its details here.

Mirror address:

http://tr.archive.ubuntu.com/ubuntu

You may provide an archive mirror that will be used instead of the default.

[Done]
[Back]

17-) Tüm diski kullanmasını istiyoruz.

Guided storage configuration [Help]

Configure a guided storage layout, or create a custom one:

☒ Use an entire disk

[/dev/sda local disk 50.000G ▾]

☒ Set up this disk as an LVM group

☐ Encrypt the LVM group with LUKS

Passphrase:

Confirm passphrase:

☐ Custom storage layout

[Done]
[Back]

Storage configuration [Help]

FILE SYSTEM SUMMARY

MOUNT POINT	SIZE	TYPE	DEVICE TYPE
[/	23.996G	new ext4	new LVM logical volume ▶]
[/boot	2.000G	new ext4	new partition of local disk ▶]

AVAILABLE DEVICES

DEVICE	TYPE	SIZE
[ubuntu-vg (new)	LVM volume group	47.996G ▶]
free space		24.000G ▶]

[Create software RAID (md) ▶]
[Create volume group (LVM) ▶]

USED DEVICES

DEVICE	TYPE	SIZE
[ubuntu-vg (new)	LVM volume group	47.996G ▶]
ubuntu-lv	new, to be formatted as ext4, mounted at /	23.996G ▶]

[/dev/sda

	TYPE	SIZE
partition 1	new, BIOS grub spacer	1.000M ▶]
partition 2	new, to be formatted as ext4, mounted at /boot	2.000G ▶]
partition 3	new, PV of LVM volume group ubuntu-vg	47.997G ▶]

[Done]
[Reset]
[Back]

Storage configuration

[Help]

FILE SYSTEM SUMMARY

MOUNT POINT	SIZE	TYPE	DEVICE TYPE
[/	23.996G	new ext4	new LVM logical volume ▶]
[/boot	2.000G	new ext4	new partition of local disk ▶]

AVAILABLE DEVICES

Confirm destructive action

Selecting Continue below will begin the installation process and result in the loss of data on the disks selected to be formatted.

You will not be able to return to this or a previous screen once the installation has started.

Are you sure you want to continue?

[No]

[Continue]

partition 2

new, to be formatted as ext4, mounted at /boot

2.000G ▶

partition 3

new, PV of LVM volume group ubuntu-vg

47.997G ▶

[Done]

[Reset]

[Back]

18-) Profil Ayarlarımızı ve şifremizi belirliyoruz.

Profile setup

[Help]

Enter the username and password you will use to log in to the system. You can configure SSH access on the next screen but a password is still needed for sudo.

Your name:

SULEYMAN

Your server's name:

lnxvm-ubuntu

The name it uses when it talks to other computers.

Pick a username:

suleyman

Choose a password:

Confirm your password:

[Done]

19-) OpenShh server yüklemesini istiyoruz.

SSH Setup [Help]

You can choose to install the OpenSSH server package to enable secure remote access to your server.

☒ Install OpenSSH server

Import SSH identity: You can import your SSH keys from GitHub or Launchpad.

Import Username:

☒ Allow password authentication over SSH

Featured Server Snaps [Help]

These are popular snaps in server environments. Select or deselect with SPACE, press ENTER to see more details of the package, publisher and versions available.

<input type="checkbox"/> microk8s	Kubernetes for workstations and appliances	▶
<input type="checkbox"/> nextcloud	Nextcloud Server - A safe home for all your data	▶
<input type="checkbox"/> wekan	The open-source kanban	▶
<input type="checkbox"/> kata-containers	Build lightweight VMs that seamlessly plug into the c	▶
<input type="checkbox"/> docker	Docker container runtime	▶
<input type="checkbox"/> canonical-livepatch	Canonical Livepatch Client	▶
<input type="checkbox"/> rocketchat-server	Rocket.Chat server	▶
<input type="checkbox"/> mosquitto	Eclipse Mosquitto MQTT broker	▶
<input type="checkbox"/> etcd	Resilient key-value store by CoreOS	▶
<input type="checkbox"/> powershell	PowerShell for every system!	▶
<input type="checkbox"/> stress-ng	tool to load and stress a computer	▶
<input type="checkbox"/> sabnzbd	SABnzbd	▶
<input type="checkbox"/> wormhole	get things from one computer to another, safely	▶
<input type="checkbox"/> aws-cli	Universal Command Line Interface for Amazon Web Servi	▶
<input type="checkbox"/> google-cloud-sdk	Google Cloud SDK	▶
<input type="checkbox"/> slcli	Python based SoftLayer API Tool.	▶
<input type="checkbox"/> doctl	The official DigitalOcean command line interface	▶
<input type="checkbox"/> conjure-up	Package runtime for conjure-up spells	▶
<input type="checkbox"/> postgresql10	PostgreSQL is a powerful, open source object-relatio	▶
<input type="checkbox"/> heroku	CLI client for Heroku	▶
<input type="checkbox"/> keepalived	High availability VRRP/BFD and load-balancing for Lin	▶
<input type="checkbox"/> prometheus	The Prometheus monitoring system and time series data	▶
<input type="checkbox"/> juju	Juju - a model-driven operator lifecycle manager for	▶

20-) Ubuntu Server sanalımıza kurulmaya başlıyor.

```
Installing system [ Help ]

    curtin command extract
      acquiring and extracting image from cp:///tmp/tmptws2bj1h/mount
    configuring installed system
      running 'mount --bind /cdrom /target/cdrom'
      running 'curtin curthooks'
    curtin command curthooks
      configuring apt configuring apt
      installing missing packages
      configuring iscsi service
      configuring raid (mdadm) service
      installing kernel
      setting up swap
      apply networking config
      writing etc/fstab
      configuring multipath
      updating packages on target system
      configuring pollinate user-agent on target
      updating initramfs configuration
      configuring target system bootloader
      installing grub to target devices
    finalizing installation
      running 'curtin hook'
      curtin command hook
    executing late commands
  final system configuration
    configuring cloud-init
    calculating extra packages to install
    installing openssh-server
    curtin command system-install -

[ View full log ]
```

21-) Kurulum bitti, sistemi yeniden başlatıyoruz.

```
Install complete! [ Help ]

    configuring apt configuring apt
    installing missing packages
    configuring iscsi service
    configuring raid (mdadm) service
    installing kernel
    setting up swap
    apply networking config
    writing etc/fstab
    configuring multipath
    updating packages on target system
    configuring pollinate user-agent on target
    updating initramfs configuration
    configuring target system bootloader
    installing grub to target devices
  finalizing installation
    running 'curtin hook'
    curtin command hook
  executing late commands
final system configuration
  configuring cloud-init
  calculating extra packages to install
  installing openssh-server
  curtin command system-install
  downloading and installing security updates
  curtin command in-target
  restoring apt configuration
  curtin command in-target
subiquity/Late/run

[ View full log ]
[ Reboot Now ]
```

22-) Enter tıklayarak Kurulum dosyamızı unmount ediyoruz.

[illegible]

23-) Kullanıcı adı ve şifremizi giriyoruz.

```
[ OK ] Finished Update UTMP about System Runlevel Changes.
ci-info: no authorized SSH keys fingerprints found for user suleyman.
<14>Dec 11 09:45:56 cloud-init: #####
<14>Dec 11 09:45:56 cloud-init: -----BEGIN SSH HOST KEY FINGERPRINTS-----
<14>Dec 11 09:45:56 cloud-init: 1024 SHA256:t5UYPRFAou8GFkawGgrE+bQc80sIXRPWLdKNV21EJm4 root@lnxvm-u
buntu (DSA)
<14>Dec 11 09:45:56 cloud-init: 256 SHA256:rHfkzSz2DPwFduBvHlvt5Ndx+Pf3LfqszzSUIXC28bnU root@lnxvm-ub
untu (ECDSA)
<14>Dec 11 09:45:56 cloud-init: 256 SHA256:51mh6rpsLascd5rihk0AVg04N5Z/RDNmgjJw9fdAJss root@lnxvm-ub
untu (ED25519)
<14>Dec 11 09:45:56 cloud-init: 3072 SHA256:0pQdS1SfjTqjrpwV5VCak07fMx46ZfXp21Buc6Hm94Q root@lnxvm-u
buntu (RSA)
<14>Dec 11 09:45:56 cloud-init: -----END SSH HOST KEY FINGERPRINTS-----
<14>Dec 11 09:45:56 cloud-init: #####
-----BEGIN SSH HOST KEY KEYS-----
ecdsa-sha2-nistp256 AAAAE2VjZHNhLXNoYTItbmlzdHAyNTYAAAAIbmlzdHAyNTYAAABBBG+b5HiaTMyz7uc79/hqzwpnOLD
/JGGCA8tJComh21vQ60//bxDVAYNUqYD6r3n+fhCDHYC0J8Tm5YJRCd6vQ= root@lnxvm-ubuntu
ssh-ed25519 AAAAC3NzaC1lZDI1IkdIOTE2EAAAABGgIjgdl3fImKf0emA45v7k501ovKnN+4BT7HTMKVmuqNg root@lnxvm-ubuntu
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQgDDiIk6T14VRbaEC37M5+TsveTyfN29ppnmEQ5Pyf7/XsXdzvEH0VVTXJm0u7s6A
cGRUQV6/LFS90dHENVP0Apv60gmZJuh5hdj5sJ/5qMm+RPd5HY110TcP0XzJN4nPayEapEv0snrvDuLsotMJuoTJREJehobJB3
SJqQJyBJSfKeIIGKKI13p3Aub9PAx+b1T3hivkgfNS+GfTphm3e0M2j49KgVw1jTFNwecBq7bz5IusIKPj9lvNrW1aNNJfJ/n
di8db0JbXCI0ms+aNJ0kbqurv2Twwg88n06mTLgKuWJM36x7BgaRD8jrdK9rJ4JrIQP/gkFCLp6eD7wyRJ5xTLUzynez+um76ZlI
X0o0B77JMceVsxJh7KRfYtpYfSM4BuKl1dp0zIQUH0eXtcI9TBurkS4wJlanEP6kuf1emPkTjd7yagnU2L6yLrwvEMtmhmGMIEQ
y8mziJfQjP8Yxxmj0p0PdSVV50dNpqov6ZTWHFhm9+/KppImqU= root@lnxvm-ubuntu
-----END SSH HOST KEY KEYS-----
[ 36.268050] cloud-init[1684]: Cloud-init v. 22.2-0ubuntu1~20.04.3 running 'modules:final' at Sun,
 11 Dec 2022 09:45:56 +0000. Up 35.98 seconds.
[ 36.270099] cloud-init[1684]: Cloud-init v. 22.2-0ubuntu1~20.04.3 finished at Sun, 11 Dec 2022 09
:45:56 +0000. DataSource DataSourceNone. Up 36.25 seconds
[ 36.272354] cloud-init[1684]: 2022-12-11 09:45:56,744 - cc_final_message.py[WARNING]: Using fallback
ck datasource
[ OK ] Finished Execute cloud user/final scripts.
[ OK ] Reached target Cloud-init target.
```

```
lnxvm-ubuntu login:
lnxvm-ubuntu login: suleyman
Password:
```

```
Ubuntu 20.04.5 LTS lnsvm-ubuntu tty1
lnsvm-ubuntu login: suleyman
Password:
Welcome to Ubuntu 20.04.5 LTS (GNU/Linux 5.4.0-135-generic x86_64)

* Documentation:  https://help.ubuntu.com
* Management:    https://landscape.canonical.com
* Support:       https://ubuntu.com/advantage

System information as of Sun 11 Dec 2022 09:49:41 AM UTC

System load:  0.11           Processes:           242
Usage of /:   26.2% of 23.45GB Users logged in:          0
Memory usage: 9%            IPv4 address for ens33: 192.168.1.200
Swap usage:   0%

20 updates can be applied immediately.
To see these additional updates run: apt list --upgradable

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

suleyman@lnsvm-ubuntu:~$
```

24-) sudo su komutu ile root kullanıcısına geçiş yapıyoruz ve google dns'lerine ping atıyoruz.

```
Welcome to Ubuntu 20.04.5 LTS (GNU/Linux 5.4.0-135-generic x86_64)

* Documentation:  https://help.ubuntu.com
* Management:    https://landscape.canonical.com
* Support:       https://ubuntu.com/advantage

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applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

suleyman@lnsvm-ubuntu:~$ sudo su
[sudo] password for suleyman:
root@lnsvm-ubuntu:/home/suleyman# ping 8.8.8.8
PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.
64 bytes from 8.8.8.8: icmp_seq=1 ttl=116 time=35.0 ms
64 bytes from 8.8.8.8: icmp_seq=2 ttl=116 time=22.8 ms
64 bytes from 8.8.8.8: icmp_seq=3 ttl=116 time=23.8 ms
64 bytes from 8.8.8.8: icmp_seq=4 ttl=116 time=25.2 ms
```


25-) güncellemelerimizi yapıyoruz.

```
64 bytes from 8.8.8.8: icmp_seq=2 ttl=116 time=22.8 ms
64 bytes from 8.8.8.8: icmp_seq=3 ttl=116 time=23.8 ms
64 bytes from 8.8.8.8: icmp_seq=4 ttl=116 time=25.2 ms
64 bytes from 8.8.8.8: icmp_seq=5 ttl=116 time=25.5 ms
64 bytes from 8.8.8.8: icmp_seq=6 ttl=116 time=27.2 ms
64 bytes from 8.8.8.8: icmp_seq=7 ttl=116 time=23.0 ms
64 bytes from 8.8.8.8: icmp_seq=8 ttl=116 time=23.5 ms
64 bytes from 8.8.8.8: icmp_seq=9 ttl=116 time=23.5 ms
64 bytes from 8.8.8.8: icmp_seq=10 ttl=116 time=24.4 ms
64 bytes from 8.8.8.8: icmp_seq=11 ttl=116 time=22.9 ms
64 bytes from 8.8.8.8: icmp_seq=12 ttl=116 time=23.0 ms
64 bytes from 8.8.8.8: icmp_seq=13 ttl=116 time=22.6 ms
64 bytes from 8.8.8.8: icmp_seq=14 ttl=116 time=24.7 ms
64 bytes from 8.8.8.8: icmp_seq=15 ttl=116 time=23.5 ms
64 bytes from 8.8.8.8: icmp_seq=16 ttl=116 time=23.9 ms
64 bytes from 8.8.8.8: icmp_seq=17 ttl=116 time=24.8 ms
64 bytes from 8.8.8.8: icmp_seq=18 ttl=116 time=31.9 ms
64 bytes from 8.8.8.8: icmp_seq=19 ttl=116 time=22.7 ms
64 bytes from 8.8.8.8: icmp_seq=20 ttl=116 time=23.1 ms
64 bytes from 8.8.8.8: icmp_seq=21 ttl=116 time=23.7 ms
64 bytes from 8.8.8.8: icmp_seq=22 ttl=116 time=22.9 ms
64 bytes from 8.8.8.8: icmp_seq=23 ttl=116 time=23.2 ms
64 bytes from 8.8.8.8: icmp_seq=24 ttl=116 time=22.4 ms
64 bytes from 8.8.8.8: icmp_seq=25 ttl=116 time=22.4 ms
64 bytes from 8.8.8.8: icmp_seq=26 ttl=116 time=23.3 ms
64 bytes from 8.8.8.8: icmp_seq=27 ttl=116 time=24.5 ms
64 bytes from 8.8.8.8: icmp_seq=28 ttl=116 time=24.9 ms
^C
--- 8.8.8.8 ping statistics ---
28 packets transmitted, 28 received, 0% packet loss, time 27060ms
rtt min/avg/max/mdev = 22.358/24.437/35.042/2.756 ms
root@lnxvm-ubuntu:/home/suleyman# apt update && apt upgrade -y
Hit:1 http://tr.archive.ubuntu.com/ubuntu focal InRelease
Hit:2 http://tr.archive.ubuntu.com/ubuntu focal-updates InRelease
Hit:3 http://tr.archive.ubuntu.com/ubuntu focal-backports InRelease
Hit:4 http://tr.archive.ubuntu.com/ubuntu focal-security InRelease
```

```
-----+-----+-----+
Setting up libtss2-esys0 (2.3.2-1ubuntu0.20.04.1) ...
Setting up python3-problem-report (2.20.11-0ubuntu27.25) ...
Setting up distro-info-data (0.43ubuntu1.11) ...
Setting up libxmlb2:amd64 (0.3.6-2build1~20.04.1) ...
Setting up libfwupd2:amd64 (1.7.9-1~20.04.1) ...
Setting up python3-apport (2.20.11-0ubuntu27.25) ...
Setting up udev (245.4-4ubuntu3.19) ...
update-initramfs: deferring update (trigger activated)
Setting up sosreport (4.4-1ubuntu0.20.04.1) ...
Setting up ubuntu-advantage-tools (27.12~20.04.1) ...
Installing new version of config file /etc/apt/apt.conf.d/20apt-esm-hook.conf ...
Installing new version of config file /etc/ubuntu-advantage/help_data.yaml ...
Installing new version of config file /etc/ubuntu-advantage/uaclient.conf ...
Installing new version of config file /etc/update-motd.d/91-contract-ua-esm-status ...
Setting up libfwupdplugin5:amd64 (1.7.9-1~20.04.1) ...
Setting up fwupd (1.7.9-1~20.04.1) ...
Installing new version of config file /etc/fwupd/redfish.conf ...
fwupd-offline-update.service is a disabled or a static unit not running, not starting it.
fwupd-refresh.service is a disabled or a static unit not running, not starting it.
fwupd.service is a disabled or a static unit not running, not starting it.
Setting up apport (2.20.11-0ubuntu27.25) ...
apport-autoreport.service is a disabled or a static unit, not starting it.
Setting up systemd (245.4-4ubuntu3.19) ...
Setting up systemd-timesyncd (245.4-4ubuntu3.19) ...
Setting up systemd-sysv (245.4-4ubuntu3.19) ...
Setting up libnss-systemd:amd64 (245.4-4ubuntu3.19) ...
Setting up libpam-systemd:amd64 (245.4-4ubuntu3.19) ...
Processing triggers for libc-bin (2.31-0ubuntu9.9) ...
Processing triggers for rsyslog (8.2001.0-1ubuntu1.3) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for dbus (1.12.16-2ubuntu2.3) ...
Processing triggers for initramfs-tools (0.136ubuntu6.7) ...
update-initramfs: Generating /boot/initrd.img-5.4.0-135-generic
root@lnxvm-ubuntu:/home/suleyman# _
```

26-) Zabbix anasayfasından Zabbix 6.0 sürümünü ve Ubuntu 20.04 sürümünü seçiyoruz.

Download and install Zabbix

1 Choose your platform

ZABBIX VERSION	OS DISTRIBUTION	OS VERSION	ZABBIX COMPONENT	DATABASE	WEB SERVER
6.2	Alma Linux	22.04 (Jammy)	Server, Frontend, Agent	MySQL	Apache
6.0 LTS	CentOS	20.04 (Focal)	Proxy	PostgreSQL	Nginx
5.0 LTS	Debian	18.04 (Bionic)	Agent		
4.0 LTS	Oracle Linux	16.04 (Xenial)	Agent 2		
6.4 PRE-RELEASE	Raspberry Pi OS	14.04 (Trusty)	Java Gateway		
	Red Hat Enterprise Linux				
	Rocky Linux				
	SUSE Linux Enterprise Server				
	Ubuntu				

27-) Zabbix yükleme scriptleri aşağıda bize çıkartıyor.

a. Install Zabbix repository

[Documentation](#)

```
# wget https://repo.zabbix.com/zabbix/6.0/ubuntu/pool/main/z/zabbix-release/zabbix-release_6.0-4%2Bubuntu20.04_all.deb
# dpkg -i zabbix-release_6.0-4+ubuntu20.04_all.deb
# apt update
```

b. Install Zabbix server, frontend, agent

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

c. Create initial database

[Documentation](#)

Make sure you have database server up and running.

Run the following on your database host.

```
# mysql -uroot -p
password
mysql> create database zabbix character set utf8mb4 collate utf8mb4_bin;
mysql> create user zabbix@localhost identified by 'password';
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
```

28-) Scriptleri kopyalayarak Ubuntu Server'ımızda çalıştırıyoruz.

```
root@lnxvm-ubuntu:~# wget https://repo.zabbix.com/zabbix/6.0/ubuntu/pool/main/z/zabbix-release/zabbix-release_6.0-4+ubuntu20.04_all.deb
--2022-12-11 12:46:13-- https://repo.zabbix.com/zabbix/6.0/ubuntu/pool/main/z/zabbix-release/zabbix-release_6.0-4+ubuntu20.04_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: 3672 (3.6K) [application/octet-stream]
Saving to: 'zabbix-release_6.0-4+ubuntu20.04_all.deb'

zabbix-release_6.0- 100%[=====] 3.59K --KB/s in 0s

2022-12-11 12:46:14 (278 MB/s) - 'zabbix-release_6.0-4+ubuntu20.04_all.deb' saved [3672/3672]

root@lnxvm-ubuntu:~#
```

```
root@lnxvm-ubuntu:~# dpkg -i zabbix-release_6.0-4+ubuntu20.04_all.deb
Selecting previously unselected package zabbix-release.
(Reading database ... 72179 files and directories currently installed.)
Preparing to unpack zabbix-release_6.0-4+ubuntu20.04_all.deb ...
Unpacking zabbix-release (1:6.0-4+ubuntu20.04) ...
Setting up zabbix-release (1:6.0-4+ubuntu20.04) ...

root@lnxvm-ubuntu:~#
```

```
root@lnxvm-ubuntu:~# dpkg -i zabbix-release_6.0-4+ubuntu20.04_all.deb
Selecting previously unselected package zabbix-release.
(Reading database ... 72179 files and directories currently installed.)
Preparing to unpack zabbix-release_6.0-4+ubuntu20.04_all.deb ...
Unpacking zabbix-release (1:6.0-4+ubuntu20.04) ...
Setting up zabbix-release (1:6.0-4+ubuntu20.04) ...

root@lnxvm-ubuntu:~# apt update
Hit:1 http://tr.archive.ubuntu.com/ubuntu focal InRelease
Get:2 http://tr.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Get:3 http://tr.archive.ubuntu.com/ubuntu focal-backports InRelease [108 kB]
Get:4 https://repo.zabbix.com/zabbix-agent2-plugins/1/ubuntu focal InRelease [4,952 B]
Get:5 http://tr.archive.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Get:6 https://repo.zabbix.com/zabbix/6.0/ubuntu focal InRelease [4,958 B]
Get:7 https://repo.zabbix.com/zabbix-agent2-plugins/1/ubuntu focal/main Sources [1,004 B]
Get:8 https://repo.zabbix.com/zabbix-agent2-plugins/1/ubuntu focal/main amd64 Packages [625 B]
Get:9 https://repo.zabbix.com/zabbix/6.0/ubuntu focal/main Sources [1,952 B]
Get:10 https://repo.zabbix.com/zabbix/6.0/ubuntu focal/main amd64 Packages [5,508 B]
Fetched 355 kB in 2s (160 kB/s)


```

```
root@lnxvm-ubuntu:~# apt install zabbix-server-mysql zabbix-frontend-php zabbix-apache-conf zabbix-sql-scripts zabbix-agent
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  apache2 apache2-bin apache2-data apache2-utils fontconfig-config fonts-dejavu fonts-dejavu-core
  fonts-dejavu-extra fping libapache2-mod-php7.4 libapr1 libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap
  libfontconfig1 libgd3 libjansson4 libjpeg8 libjpeg-turbo8 libjpeg8 liblua5.2-0 libmodbus5 libmysqlclient21
  libodbc1 libonig5 libopenipmi0 libsensors-config libsensors5 libsnmp-base libsnmp35 libtiff5 libwebp6
  libxpm4 mysql-client mysql-client-8.0 mysql-client-core-8.0 mysql-common php php-bcmath php-common php-gd
  php-ldap php-mbstring php-mysql php-xml php7.4 php7.4-bcmath php7.4-cli php7.4-common php7.4-gd php7.4-json
  php7.4-ldap php7.4-mbstring php7.4-mysql php7.4-openssl php7.4-readline php7.4-xml snmpd ssl-cert
Suggested packages:
  apache2-doc apache2-suexec-pristine | apache2-suexec-custom www-browser php-pear libgd-tools libmyodbc
  odbc-postgresql tdsodbc unixodbc-bin lm-sensors snmp-mibs-downloader snmptrapd openssl-blacklist
  zabbix-nginx-conf virtual-mysql-server
```

29-) Mysql server'ı yüklüyoruz.

```
root@lnxvm-ubuntu:~# apt install mysql-server -y
Reading package lists ... Done
Building dependency tree
Reading state information ... Done
The following additional packages will be installed:
  libbcgi-fast-perl libbcgi-pm-perl libencode-locale-perl libevent-core-2.1-7 libevent-pthreads-2.1-7
  libfcgi-perl libhtml-parser-perl libhtml-tagset-perl libhtml-template-perl libhttp-date-perl
  libhttp-message-perl libio-html-perl liblwp-mediatypes-perl libmecab2 libtimedate-perl liburi-perl
  mecab-ipadic mecab-ipadic-utf8 mecab-utils mysql-server-8.0 mysql-server-core-8.0
Suggested packages:
  libdata-dump-perl libipc-sharedcache-perl libwww-perl mailx tinyca
The following NEW packages will be installed:
  libbcgi-fast-perl libbcgi-pm-perl libencode-locale-perl libevent-core-2.1-7 libevent-pthreads-2.1-7
  libfcgi-perl libhtml-parser-perl libhtml-tagset-perl libhtml-template-perl libhttp-date-perl
  libhttp-message-perl libio-html-perl liblwp-mediatypes-perl libmecab2 libtimedate-perl liburi-perl
  mecab-ipadic mecab-ipadic-utf8 mecab-utils mysql-server mysql-server-8.0 mysql-server-core-8.0
0 upgraded, 22 newly installed, 0 to remove and 0 not upgraded.
Need to get 31.5 MB of archives.
After this operation, 243 MB of additional disk space will be used.
Get:1 http://tr.archive.ubuntu.com/ubuntu focal/main amd64 libevent-core-2.1-7 amd64 2.1.11-stable-1 [89.1 kB]
1% [Working]
```

```
root@lnxvm-ubuntu:~# systemctl start mysql
root@lnxvm-ubuntu:~# systemctl status mysql
● mysql.service - MySQL Community Server
   Loaded: loaded (/lib/systemd/system/mysql.service; enabled; vendor preset: enabled)
   Active: active (running) since Sun 2022-12-11 12:55:15 UTC; 1min 48s ago
     Main PID: 16585 (mysqld)
    Status: "Server is operational"
       Tasks: 38 (limit: 4575)
      Memory: 364.3M
      CGroup: /system.slice/mysql.service
              └─16585 /usr/sbin/mysqld

Dec 11 12:55:14 lnxvm-ubuntu systemd[1]: Starting MySQL Community Server ...
Dec 11 12:55:15 lnxvm-ubuntu systemd[1]: Started MySQL Community Server.
root@lnxvm-ubuntu:~#
```

```
root@lnxvm-ubuntu:~# mysql_secure_installation

Securing the MySQL server deployment.

Connecting to MySQL using a blank password.

VALIDATE PASSWORD COMPONENT can be used to test passwords
and improve security. It checks the strength of password
and allows the users to set only those passwords which are
secure enough. Would you like to setup VALIDATE PASSWORD component?

Press y|Y for Yes, any other key for No: Y

There are three levels of password validation policy:

LOW      Length ≥ 8
MEDIUM  Length ≥ 8, numeric, mixed case, and special characters
STRONG Length ≥ 8, numeric, mixed case, special characters and dictionary file

Please enter 0 = LOW, 1 = MEDIUM and 2 = STRONG: 0
Please set the password for root here.

New password:

Re-enter new password:

Estimated strength of the password: 25
Do you wish to continue with the password provided?(Press y|Y for Yes, any other key for No) : Y
... Failed! Error: SET PASSWORD has no significance for user 'root'@'localhost' as the authentication method used doesn't store authentication data in the MySQL server. Please consider using ALTER USER instead if you want to change authentication parameters.

New password: ctrl + c
exit that screen
```

```
root@lnxvm-ubuntu:~# mysql
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 10
Server version: 8.0.31-0ubuntu0.20.04.2 (Ubuntu)

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affiliates. Other names may be trademarks of their respective
owners.

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

mysql> █
```

```
mysql> ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password by 'suleyman1453';
Query OK, 0 rows affected (0.01 sec)

mysql> exit;
Bye
root@lnxvm-ubuntu:~# █
```

```
mysql> exit;
Bye
root@lnxvm-ubuntu:~# mysql_secure_installation

Securing the MySQL server deployment.

Enter password for user root: █
```

```

New password:
Re-enter new password:

Estimated strength of the password: 50
Do you wish to continue with the password provided?(Press y|Y for Yes, any other key for No) : y
By default, a MySQL installation has an anonymous user,
allowing anyone to log into MySQL without having to have
a user account created for them. This is intended only for
testing, and to make the installation go a bit smoother.
You should remove them before moving into a production
environment.

Remove anonymous users? (Press y|Y for Yes, any other key for No) : y
Success.

Normally, root should only be allowed to connect from
'localhost'. This ensures that someone cannot guess at
the root password from the network.

Disallow root login remotely? (Press y|Y for Yes, any other key for No) : y
Success.

By default, MySQL comes with a database named 'test' that
anyone can access. This is also intended only for testing,
and should be removed before moving into a production
environment.

Remove test database and access to it? (Press y|Y for Yes, any other key for No) :
... skipping.
Reloading the privilege tables will ensure that all changes
made so far will take effect immediately.

Reload privilege tables now? (Press y|Y for Yes, any other key for No) : y
Success.

All done!
root@lnxvm-ubuntu:~#

```

30-) Mysql Server'a bağlanıyoruz ve aşağıdaki scriptleri giriyoruz.

c. Create initial database

[Documentation](#)

Make sure you have database server up and running.

Run the following on your database host.

```

# mysql -uroot -p
password
mysql> create database zabbix character set utf8mb4 collate utf8mb4_bin;
mysql> create user zabbix@localhost identified by 'password';
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=utf8

```

Disable log_bin_trust_function_creators option after importing database schema.

```

# mysql -uroot -p
password
mysql> set global log_bin_trust_function_creators = 0;
mysql> quit;

```

```
root@lnxvm-ubuntu:~# mysql -uroot -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 13
Server version: 8.0.31-0ubuntu0.20.04.2 (Ubuntu)

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affiliates. Other names may be trademarks of their respective
owners.

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

mysql> █
```

```
root@lnxvm-ubuntu:~# mysql -uroot -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 13
Server version: 8.0.31-0ubuntu0.20.04.2 (Ubuntu)

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affiliates. Other names may be trademarks of their respective
owners.

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

mysql> create database zabbix character set utf8mb4 collate utf8mb4_bin;
Query OK, 1 row affected (0.01 sec)

mysql> create user zabbix@localhost identified by '1453';
ERROR 1819 (HY000): Your password does not satisfy the current policy requirements
mysql> create user zabbix@localhost identified by 'suleyman1453';
Query OK, 0 rows affected (0.01 sec)

mysql> grant all privileges on zabbix.* to zabbix@localhost;
Query OK, 0 rows affected (0.01 sec)

mysql> quit
Bye
root@lnxvm-ubuntu:~# █
```

```
root@lnxvm-ubuntu:~# mysql -uroot -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 15
Server version: 8.0.31-0ubuntu0.20.04.2 (Ubuntu)

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owners.

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

mysql> set global log_bin_trust_function_creators = 1;
Query OK, 0 rows affected (0.00 sec)

mysql> quit
Bye
root@lnxvm-ubuntu:~# █
```

```
root@lnxvm-ubuntu:~# zcat /usr/share/zabbix-sql-scripts/mysql/server.sql.gz | mysql --default-character-set=utf8
mb4 -uzabbix -p zabbix
Enter password:
root@lnxvm-ubuntu:~# █
```



```
root@lnxvm-ubuntu:~# mysql -uroot -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 17
Server version: 8.0.31-0ubuntu0.20.04.2 (Ubuntu)

Copyright (c) 2000, 2022, Oracle and/or its affiliates.

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affiliates. Other names may be trademarks of their respective
owners.

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

mysql> use zabbix;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> show tables;
+-----+
| Tables_in_zabbix |
+-----+
| acknowledges     |
| actions           |
| alerts            |
| auditlog          |
| autoreg_host      |
| conditions        |
| config            |
| config_autoreg_tls|
| corr_condition    |
| corr_condition_group|
| corr_condition_tag|
| friends_unit      |
| trigger_depends   |
| trigger_discovery |
| trigger_queue     |
| trigger_tag       |
| triggers          |
| users             |
| users_groups      |
| usrgrp            |
| valuemap          |
| valuemap_mapping  |
| widget            |
| widget_field      |
+-----+
173 rows in set (0.00 sec)

mysql> exit;
Bye
root@lnxvm-ubuntu:~#
```



```
root@lnxvm-ubuntu:~# mysql -uroot -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 18
Server version: 8.0.31-0ubuntu0.20.04.2 (Ubuntu)

Copyright (c) 2000, 2022, Oracle and/or its affiliates.

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affiliates. Other names may be trademarks of their respective
owners.

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

mysql> set global log_bin_trust_function_creators = 0;
Query OK, 0 rows affected (0.00 sec)

mysql> quit
Bye
root@lnxvm-ubuntu:~#
```

```
root@lnxvm-ubuntu:~# nano /etc/zabbix/zabbix_server.conf
```

```
DBUser=zabbix

### Option: DBPassword
# Database password.
# Comment this line if no password is used.
#
# Mandatory: no
# Default:
# DBPassword=suleyman1453

### Option: DBSocket
# Path to MySQL socket.
#
# Mandatory: no
# Default:
# DBSocket=

### Option: DBPort
# Database port when not using local socket.
# If the Net Service Name connection method is used to connect to Oracle database, the port number from tnsnames.ora file will be used. The port number set here will be ignored.
#
# Mandatory: no
# Range: 1024-65535
# Default:
# DBPort=

### Option: AllowUnsupportedDBVersions
# Allow server to work with unsupported database versions.
# 0 - do not allow
# 1 - allow
#
# Mandatory: no
# Default:
# AllowUnsupportedDBVersions=0

### Option: HistoryStorageURL
# History storage HTTP[S] URL.
#
# Mandatory: no
# Default:
# HistoryStorageURL=

^G Get Help      ^O Write Out    ^W Where Is     ^K Cut Text     ^J Justify      ^C Cur Pos      M-U Undo
^X Exit          ^R Read File    ^\ Replace      ^U Paste Text   ^T To Spell     ^_ Go To Line    M-E Redo
```

31-) Zabbix Server ve Agent yeniden başlatıyoruz.

d. Configure the database for Zabbix server

Edit file /etc/zabbix/zabbix_server.conf

```
DBPassword=password
```

e. Start Zabbix server and agent processes

Start Zabbix server and agent processes and make it start at system boot.

```
# systemctl restart zabbix-server zabbix-agent apache2
# systemctl enable zabbix-server zabbix-agent apache2
```

f. Open Zabbix UI web page

The default URL for Zabbix UI when using Apache web server is <http://host/zabbix>

```
root@lnxvm-ubuntu:~# systemctl restart zabbix-server zabbix-agent apache2
root@lnxvm-ubuntu:~# 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@lnxvm-ubuntu:~# systemctl enable mysql
Synchronizing state of mysql.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable mysql
root@lnxvm-ubuntu:~#
```

32-)Zabbix server statusunu control ediyoruz.

```
root@lnxvm-ubuntu:~# systemctl status zabbix-server
● zabbix-server.service - Zabbix Server
   Loaded: loaded (/lib/systemd/system/zabbix-server.service; enabled; vendor preset: enabled)
   Active: active (running) since Sun 2022-12-11 13:37:40 UTC; 3min 22s ago
     Main PID: 19017 (zabbix_server)
        Tasks: 48 (limit: 4575)
       Memory: 150.8M
      CGroup: /system.slice/zabbix-server.service
              └─19017 /usr/sbin/zabbix_server -c /etc/zabbix/zabbix_server.conf
                  19018 /usr/sbin/zabbix_server: ha manager
                  19019 /usr/sbin/zabbix_server: service manager #1 [processed 0 events, updated 0 event tags, del
                  19020 /usr/sbin/zabbix_server: configuration syncer [synced configuration in 0.106062 sec, idle
                  19028 /usr/sbin/zabbix_server: alert manager #1 [sent 0, failed 0 alerts, idle 5.008897 sec durin
                  19029 /usr/sbin/zabbix_server: alerter #1 started
                  19031 /usr/sbin/zabbix_server: alerter #2 started
                  19032 /usr/sbin/zabbix_server: alerter #3 started
                  19033 /usr/sbin/zabbix_server: preprocessing manager #1 [queued 0, processed 15 values, idle 5.0
                  19034 /usr/sbin/zabbix_server: preprocessing worker #1 started
                  19035 /usr/sbin/zabbix_server: preprocessing worker #2 started
                  19036 /usr/sbin/zabbix_server: preprocessing worker #3 started
                  19037 /usr/sbin/zabbix_server: lld manager #1 [processed 0 LLD rules, idle 5.008618sec during 5.
                  19038 /usr/sbin/zabbix_server: lld worker #1 [processed 1 LLD rules, idle 119.156954 sec during
                  19039 /usr/sbin/zabbix_server: lld worker #2 [processed 1 LLD rules, idle 105.368049 sec during
                  19040 /usr/sbin/zabbix_server: housekeeper [startup idle for 30 minutes]
                  19041 /usr/sbin/zabbix_server: timer #1 [updated 0 hosts, suppressed 0 events in 0.000639 sec, i
                  19045 /usr/sbin/zabbix_server: http poller #1 [got 0 values in 0.000455 sec, idle 5 sec]
                  19046 /usr/sbin/zabbix_server: discoverer #1 [processed 0 rules in 0.000636 sec, idle 60 sec]
                  19047 /usr/sbin/zabbix_server: history syncer #1 [processed 0 values, 0 triggers in 0.000031 sec
                  19048 /usr/sbin/zabbix_server: history syncer #2 [processed 0 values, 0 triggers in 0.000027 sec
                  19049 /usr/sbin/zabbix_server: history syncer #3 [processed 0 values, 0 triggers in 0.000029 sec
                  19050 /usr/sbin/zabbix_server: history syncer #4 [processed 1 values, 0 triggers in 0.007047 sec
                  19055 /usr/sbin/zabbix_server: escalator #1 [processed 0 escalations in 0.001339 sec, idle 3 sec]
                  19056 /usr/sbin/zabbix_server: proxy poller #1 [exchanged data with 0 proxies in 0.000058 sec, i
                  19057 /usr/sbin/zabbix_server: self-monitoring [processed data in 0.000040 sec, idle 1 sec]
                  19058 /usr/sbin/zabbix_server: task manager [processed 0 task(s) in 0.000503 sec, idle 4 sec]
                  19062 /usr/sbin/zabbix_server: poller #1 [got 1 values in 0.005423 sec, idle 2 sec]
                  19063 /usr/sbin/zabbix_server: poller #2 [got 0 values in 0.000024 sec, idle 2 sec]
                  19066 /usr/sbin/zabbix_server: poller #3 [got 0 values in 0.000023 sec, idle 2 sec]
                  19067 /usr/sbin/zabbix_server: poller #4 [got 0 values in 0.000023 sec, idle 2 sec]
                  19068 /usr/sbin/zabbix_server: poller #5 [got 0 values in 0.000015 sec, idle 2 sec]
                  19069 /usr/sbin/zabbix_server: unreachable poller #1 [got 0 values in 0.000036 sec, idle 5 sec]
                  19070 /usr/sbin/zabbix_server: trapper #1 [processed data in 0.000000 sec, waiting for connectio
                  19071 /usr/sbin/zabbix_server: trapper #2 [processed data in 0.000000 sec, waiting for connectio
                  19074 /usr/sbin/zabbix_server: trapper #3 [processed data in 0.000000 sec, waiting for connectio
                  19077 /usr/sbin/zabbix_server: trapper #4 [processed data in 0.000000 sec, waiting for connectio
                  19079 /usr/sbin/zabbix_server: trapper #5 [processed data in 0.004200 sec, waiting for connectio
                  19082 /usr/sbin/zabbix_server: icmp pingr #1 [got 0 values in 0.000023 sec, idle 5 sec]
                  19086 /usr/sbin/zabbix_server: alert syncer [queued 0 alerts(s), flushed 0 result(s) in 0.001341
                  19087 /usr/sbin/zabbix_server: history poller #1 [got 1 values in 0.000089 sec, idle 4 sec]
                  19090 /usr/sbin/zabbix_server: history poller #2 [got 0 values in 0.000008 sec, idle 4 sec]
                  19092 /usr/sbin/zabbix_server: history poller #3 [got 0 values in 0.000025 sec, idle 4 sec]
                  19093 /usr/sbin/zabbix_server: history poller #4 [got 0 values in 0.000038 sec, idle 4 sec]
                  19095 /usr/sbin/zabbix_server: history poller #5 [got 0 values in 0.000054 sec, idle 4 sec]
                  19097 /usr/sbin/zabbix_server: availability manager #1 [queued 0, processed 0 values, idle 5.007
                  19099 /usr/sbin/zabbix_server: trigger housekeeper [deleted 0 problems records in 0.000352 sec,
                  19100 /usr/sbin/zabbix_server: odbcc poller #1 [got 0 values in 0.000030 sec, idle 5 sec]

Dec 11 13:37:40 lnxvm-ubuntu systemd[1]: Starting Zabbix Server ...
```

33-)Apache Server durumunu control ediyoruz.

```
root@lnxvm-ubuntu:~# systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
   Active: active (running) since Sun 2022-12-11 13:37:40 UTC; 4min 48s ago
     Docs: https://httpd.apache.org/docs/2.4/
    Main PID: 19064 (apache2)
        Tasks: 6 (limit: 4575)
       Memory: 12.8M
      CGroup: /system.slice/apache2.service
              └─19064 /usr/sbin/apache2 -k start
                  19073 /usr/sbin/apache2 -k start
                  19075 /usr/sbin/apache2 -k start
                  19080 /usr/sbin/apache2 -k start
                  19083 /usr/sbin/apache2 -k start
                  19085 /usr/sbin/apache2 -k start

Dec 11 13:37:40 lnxvm-ubuntu systemd[1]: Starting The Apache HTTP Server ...
Dec 11 13:37:40 lnxvm-ubuntu apachectl[19030]: AH00558: apache2: Could not reliably determine the server's full
Dec 11 13:37:40 lnxvm-ubuntu systemd[1]: Started The Apache HTTP Server.

root@lnxvm-ubuntu:~#
```

34-)Mysql Server durumunu control ediyoruz.

```
root@lnxvm-ubuntu:~# systemctl status mysql
● mysql.service - MySQL Community Server
   Loaded: loaded (/lib/systemd/system/mysql.service; enabled; vendor preset: enabled)
   Active: active (running) since Sun 2022-12-11 12:55:15 UTC; 47min ago
     Main PID: 16585 (mysqld)
    Status: "Server is operational"
       Tasks: 67 (limit: 4575)
      Memory: 761.9M
     CGroup: /system.slice/mysql.service
            └─16585 /usr/sbin/mysqld

Dec 11 12:55:14 lnxvm-ubuntu systemd[1]: Starting MySQL Community Server ...
Dec 11 12:55:15 lnxvm-ubuntu systemd[1]: Started MySQL Community Server.
root@lnxvm-ubuntu:~#
```

35-) Apache Server'ımızın TimeZone İstanbul olarak ayarlıyoruz.

```
root@lnxvm-ubuntu:~# nano /etc/zabbix/apache.conf
```

```
# Define /zabbix alias, this is the default
<IfModule mod_alias.c>
    Alias /zabbix /usr/share/zabbix
</IfModule>

<Directory "/usr/share/zabbix">
    Options FollowSymLinks
    AllowOverride None
    Order allow,deny
    Allow from all

    <IfModule mod_php.c>
        php_value max_execution_time 300
        php_value memory_limit 128M
        php_value post_max_size 16M
        php_value upload_max_filesize 2M
        php_value max_input_time 300
        php_value max_input_vars 10000
        php_value always_populate_raw_post_data -1
    </IfModule>

    <IfModule mod_php7.c>
        php_value max_execution_time 300
        php_value memory_limit 128M
        php_value post_max_size 16M
        php_value upload_max_filesize 2M
        php_value max_input_time 300
        php_value max_input_vars 10000
        php_value always_populate_raw_post_data -1
        php_value date.timezone Europe/Istanbul
    </IfModule>
</Directory>

<Directory "/usr/share/zabbix/conf">
    Order deny,allow
    Deny from all
    <files *.php>
        Order deny,allow
        Deny from all
    </files>
</Directory>

<Directory "/usr/share/zabbix/app">
    Order deny,allow
    Deny from all
    <files *.php>
        Order deny,allow
        Deny from all
    </files>
</Directory>

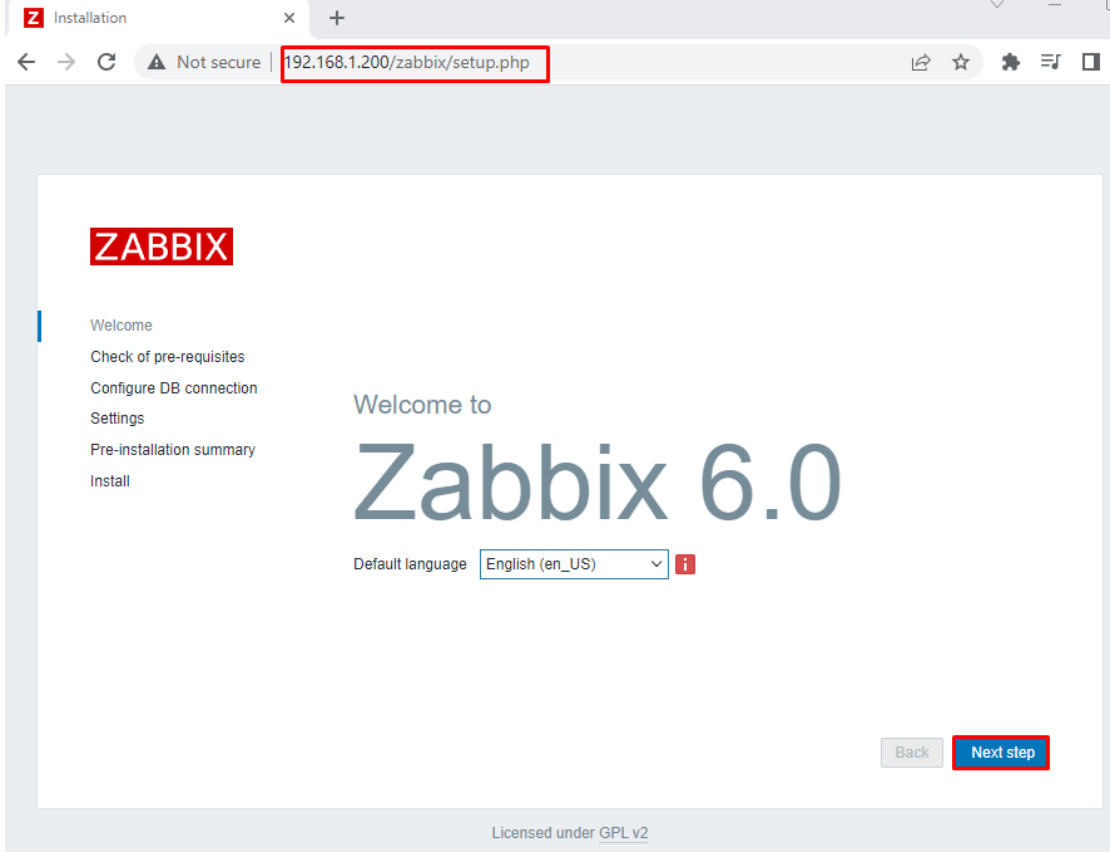
<Directory "/usr/share/zabbix/include">
    Order deny,allow
    Deny from all
```

```
^G Get Help      ^O Write Out    ^W Where Is     ^K Cut Text     ^J Justify      ^C Cur Pos      M-U Undo
^X Exit          ^R Read File    ^_ Replace      ^U Paste Text   ^I To Spell     ^_ Go To Line   M-E Redo
```

36-) Apache Server'ı restar ediyoruz.

```
root@lnxvm-ubuntu:~# nano /etc/zabbix/apache.conf  
root@lnxvm-ubuntu:~# systemctl restart apache2  
root@lnxvm-ubuntu:~#
```

37-) Tarayıcımızdan Zabbix Server'a bağlanıyoruz.



38-) Kurulum öncesi isterlerin durumunu control ediyoruz. (OK olaması gerek).

ZABBIX

Welcome

Check of pre-requisites

Configure DB connection

Settings

Pre-installation summary

Install

Check of pre-requisites

PHP gd FreeType support	on		OK
PHP libxml	2.9.10	2.6.15	OK
PHP xmlwriter	on		OK
PHP xmlreader	on		OK
PHP LDAP	on		OK
PHP OpenSSL	on		OK
PHP ctype	on		OK
PHP session	on		OK
PHP option "session.auto_start"	off	off	OK
PHP gettext	on		OK
PHP option "arg_separator.output"	&	&	OK

Back

Next step

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39-)Kullanıcı adımızı ve şifremizi giriyoruz.

ZABBIX

Welcome

Check of pre-requisites

Configure DB connection

Settings

Pre-installation summary

Install

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

Store credentials in

Plain text

HashiCorp Vault

User

zabbix

Password

enter your database password

Database TLS encryption

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

Back

Next step

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40-) Zabbix Server'a İsim veriyoruz.

ZABBIX

Welcome

Check of pre-requisites

Configure DB connection

Settings

Pre-installation summary

Install

Settings

Zabbix server name

Default time zone

Default theme

Back

Next step

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ZABBIX

Welcome

Check of pre-requisites

Configure DB connection

Settings

Pre-installation summary

Install

Pre-installation summary

Please check configuration parameters. If all is correct, press "Next step" button, or "Back" button to change configuration parameters.

Database type

MySQL

Database server

localhost

Database port

default

Database name

zabbix

Database user

zabbix

Database password

Database TLS encryption

false

Zabbix server name

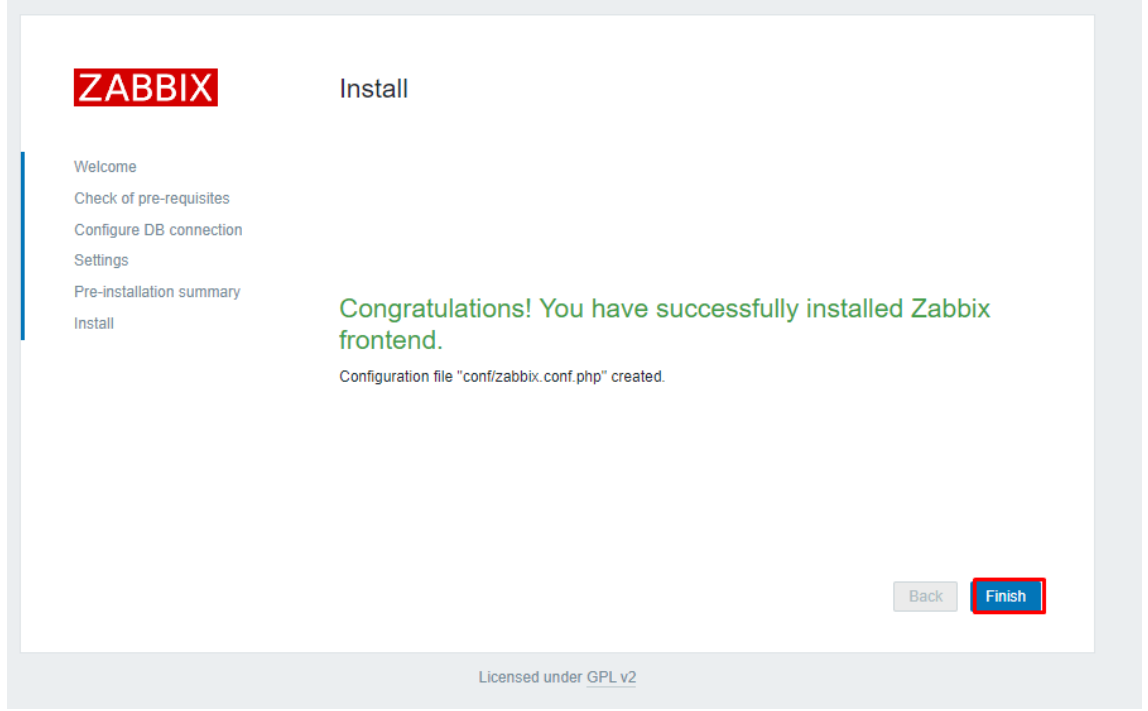
Home Ubuntu

Back

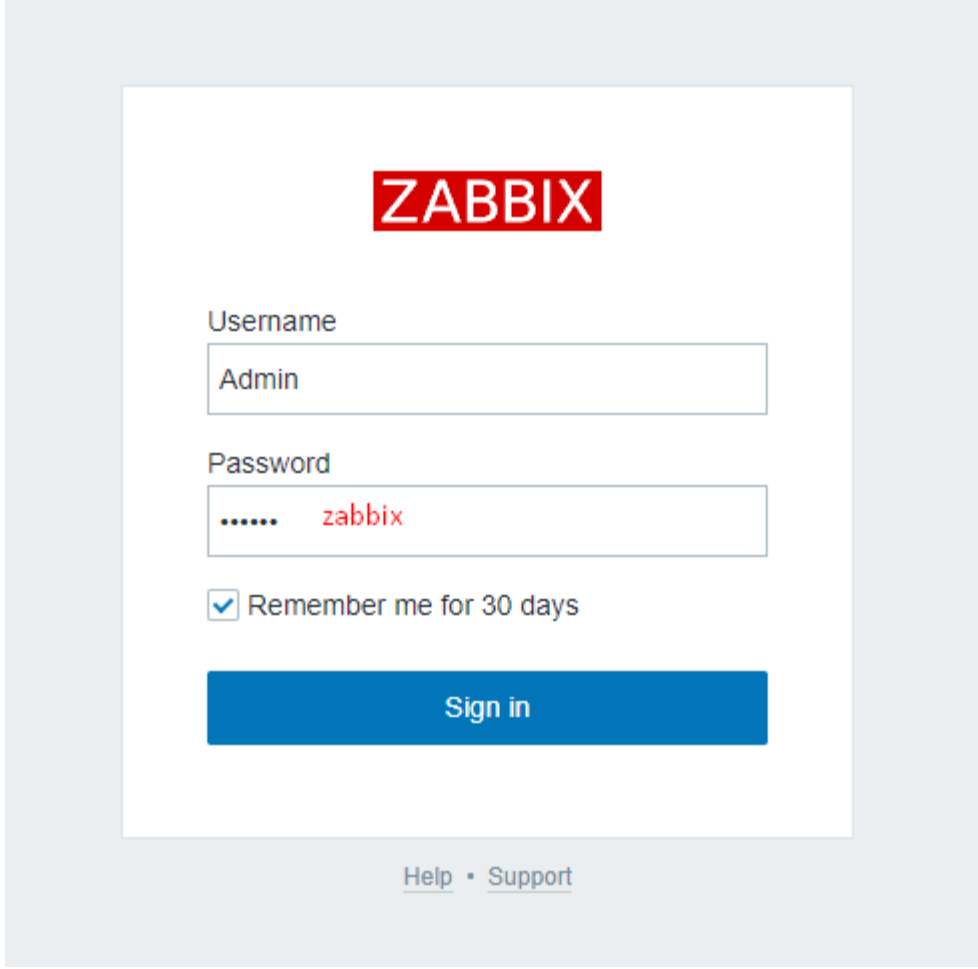
Next step

Licensed under GPL v2

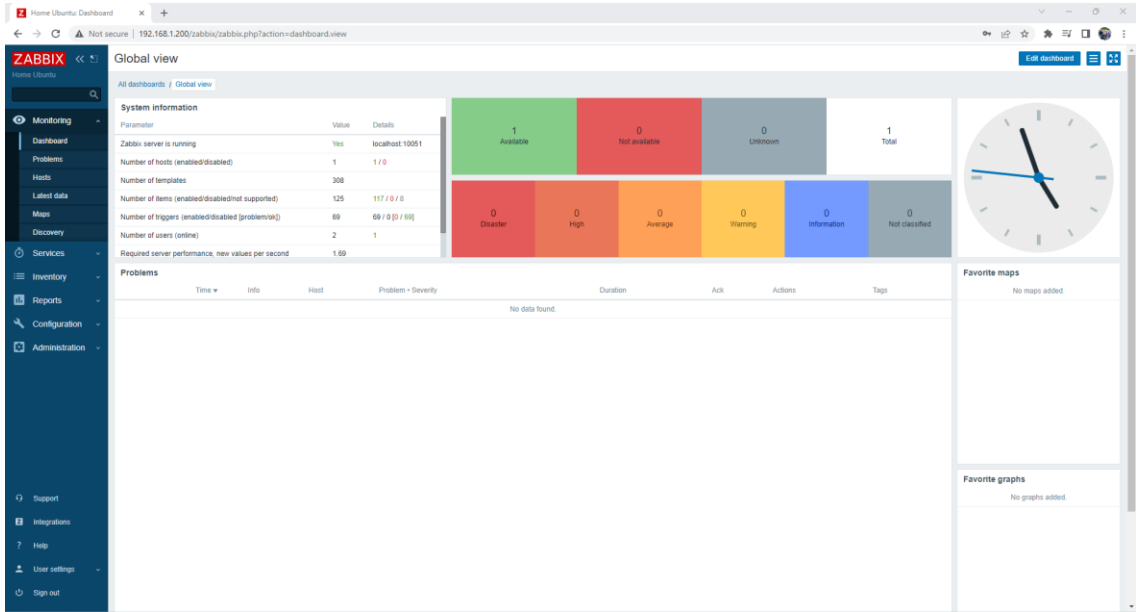
41-) Zabbix kurulumumuz başarılı bir şekilde tamamlanıyor.



44-) Kullanıcı Adı ve şifremizi giriyoruz.



45-) Zabbix Dashboard bizi karřılıyor.



46-) Standard olan Admin řifremizi deęiřtiriyoruz.

ZABBIX Home Ubuntu << >> Users

User group: All [Create user](#)

Filter

Username: Name: Last name: User roles: type here to search Select

Apply Reset

<input type="checkbox"/>	Username	Name	Last name	User role	Groups	Is online?	Login	Frontend access	API access	Debug mode	Status
<input type="checkbox"/>	Admin	Zabbix	Administrator	Super admin role	Zabbix administrators	Yes (2022-12-11 16:58:54)	Ok	System default	Enabled	Disabled	Enabled
<input type="checkbox"/>	guest			Guest role	Disabled, Guests	No	Ok	Internal	Disabled	Disabled	Disabled

0 selected Unblock Delete

Displaying 2 of 2 found

Users

User Media Permissions

* Username: Admin

Name: Zabbix

Last name: Administrator

* Groups: Zabbix administrators Select

Password: Change password

Language: System default

Time zone: System default: (UTC+03:00) Europe/Istanbul

Theme: System default

Auto-login: ☒

Auto-logout: ☐ 15m

* Refresh: 30s

* Rows per page: 50

URL (after login):

Update Delete Cancel

Users

User Media Permissions

* Username: Admin

Name: Zabbix

Last name: Administrator

* Groups: Zabbix administrators Select

* Password:

* Password (once again):

Password is not mandatory for non internal authentication type.

Language: System default

Time zone: System default: (UTC+03:00) Europe/Istanbul

Theme: System default

Auto-login: ☒

Auto-logout: ☐ 15m

* Refresh: 30s

* Rows per page: 50

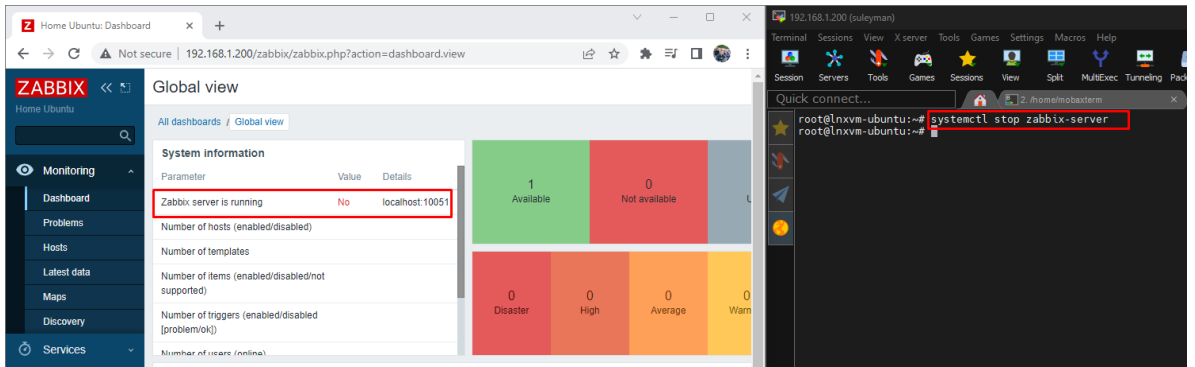
URL (after login):

Update Delete Cancel

47-) şifre değişikliğinde hata alıp almadığımızı konsol ekranında control ediyoruz.

```
root@lnxvm-ubuntu:~# tail -f /var/log/zabbix/zabbix_server.log
19047:20221211:133748.648 item "Zabbix server:zabbix[process,ipmi manager,avg,busy]" became not supported: No "
ipmi manager" processes started.
19062:20221211:133748.671 enabling Zabbix agent checks on host "Zabbix server": interface became available
19048:20221211:133749.871 item "Zabbix server:zabbix[process,vmware collector,avg,busy]" became not supported:
No "vmware collector" processes started.
19048:20221211:133755.923 item "Zabbix server:zabbix[vmware,buffer,pused]" became not supported: No "vmware col
lector" processes started.
19048:20221211:133758.956 item "Zabbix server:zabbix[process,report writer,avg,busy]" became not supported: No
"report writer" processes started.
19047:20221211:133759.963 item "Zabbix server:zabbix[process,report manager,avg,busy]" became not supported: No
"report manager" processes started.
19048:20221211:134501.320 item "Zabbix server:vfs.dev.read.await[sda]" became not supported: Cannot evaluate fu
nction: not enough data at "last(/vfs.dev.read.time.rate[sda])/(last(/vfs.dev.read.rate[sda])+(last(/vfs.dev.
read.rate[sda])=0))*1000*(last(/vfs.dev.read.rate[sda]) > 0)".
19047:20221211:134502.322 item "Zabbix server:vfs.dev.write.await[sda]" became not supported: Cannot evaluate f
unction: not enough data at "last(/vfs.dev.write.time.rate[sda])/(last(/vfs.dev.write.rate[sda])+(last(/vfs.d
ev.write.rate[sda])=0))*1000*(last(/vfs.dev.write.rate[sda]) > 0)".
19049:20221211:134701.715 item "Zabbix server:vfs.dev.read.await[sda]" became supported
19047:20221211:134702.721 item "Zabbix server:vfs.dev.write.await[sda]" became supported
^C
root@lnxvm-ubuntu:~# tail -f /var/log/zabbix/zabbix_server.log | grep error
^C
root@lnxvm-ubuntu:~#
```

48-) Zabbix Server'ı durduruyoruz ve Dashboard ekranımıza uyarının düştüğünü görüyoruz.



49-) Zabbix server yeniden başlatıyoruz ve Dashboard ekranından servislerin çalıştığını gözlemliyoruz.

