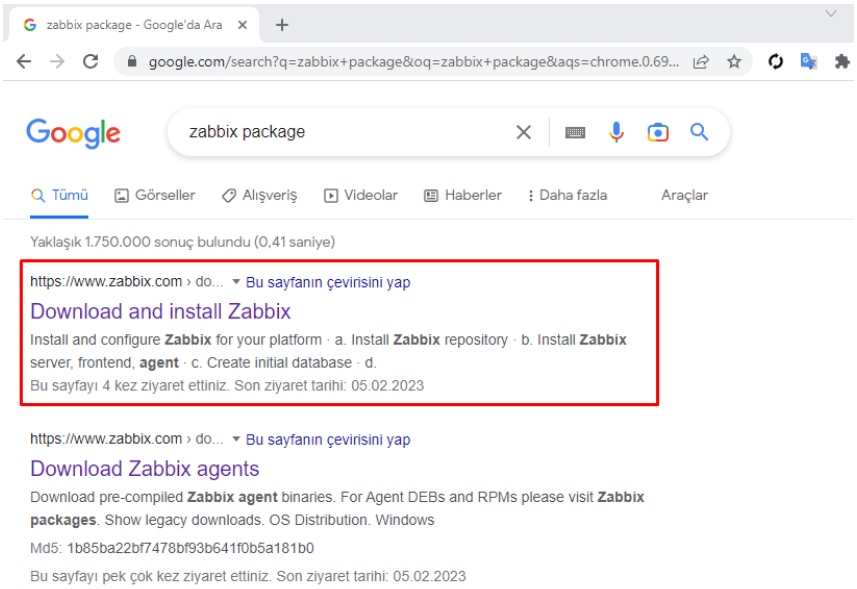
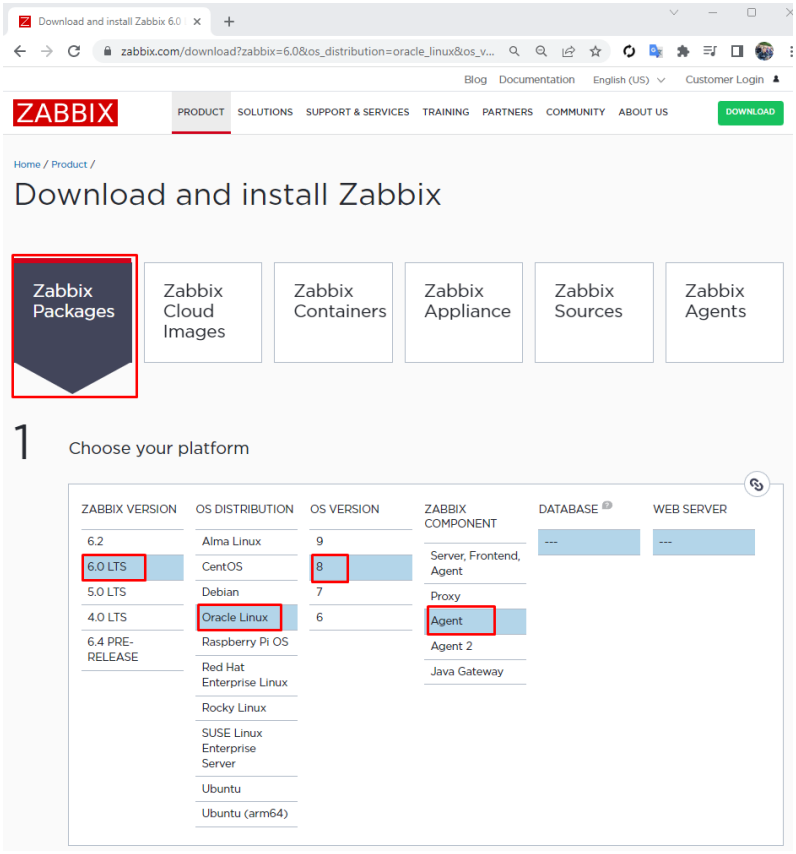
Zabbix 6.0 Agent Installion & Add Linux Host with Agent & Monitoring

Zabbix 6.0 Agent Kurulumu & Agent İle Linux Host Ekleme & İzleme

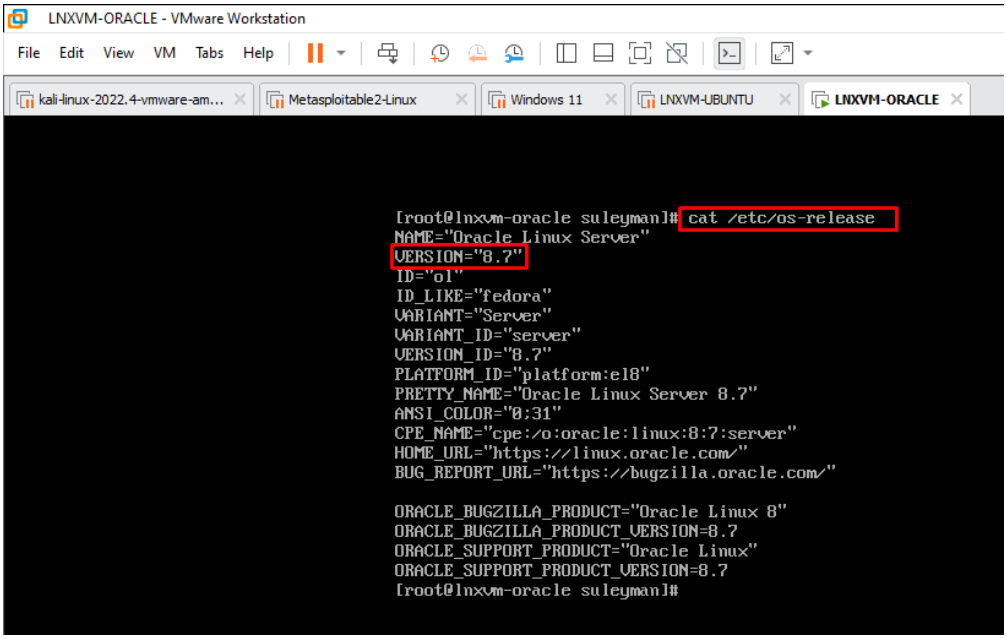
1- Google'a Zabbix Package yazarak, Zabbix Package sayfasına gidiyoruz.



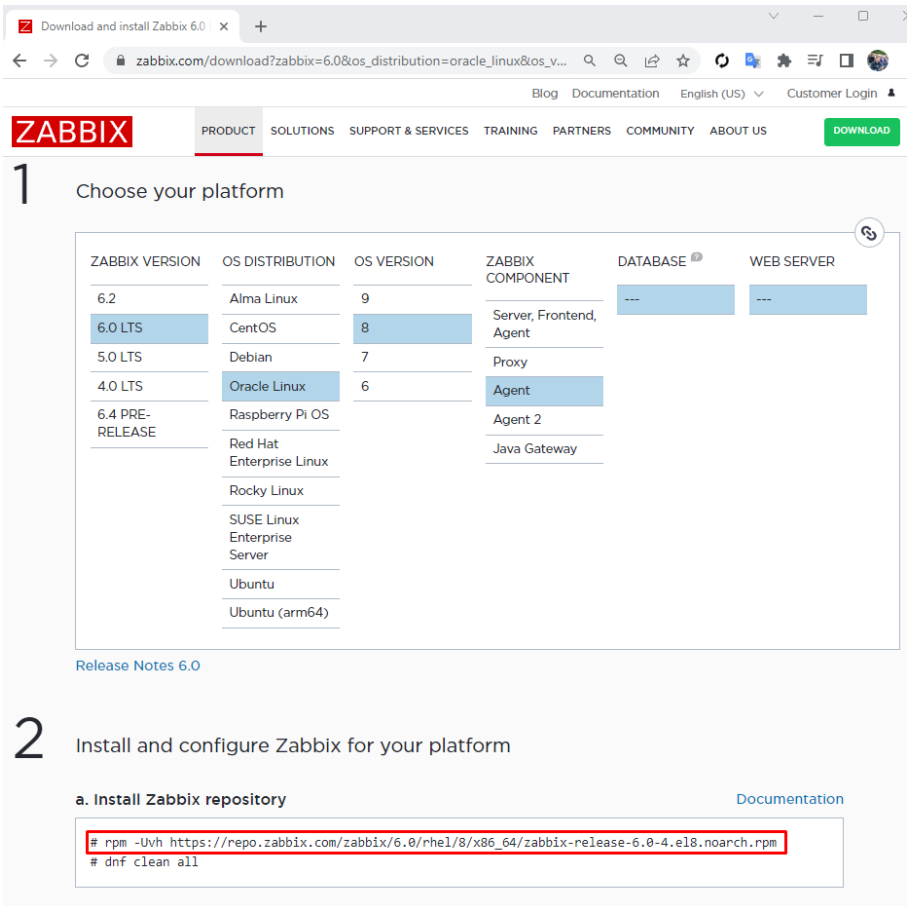
2- Burada Linux işletim sistemimize uygun versiyonu seçerek ilerliyoruz. (Benim işletim sistemim Linux Oracle 8.4 versiyon)



3- Zabbix Agent kurulacak Linux İşeltim sistemizin Versiyon bilgilerini;
cat /etc/os-release
komutu ile öğrenilebilir.



4- Uygun versiyon seçildikten sonra, Zabbix Web sitesinin hemen aşağısındaki scriptler, Linux işletim sistemimizde çalıştırılılır.



5- Agent Kurulum Scriptlerini çalıştırıyorum.

```
[root@lnxvm-oracle suleyman]# rpm -Uvh https://repo.zabbix.com/zabbix/6.0/rhel/8/x86_64/zabbix-release-6.0-4.el8.noarch.rpm
4Retrieving https://repo.zabbix.com/zabbix/6.0/rhel/8/x86_64/zabbix-release-6.0-4.el8.noarch.rpm
warning: /var/tmp/rpm-tmp.ZCqHUQ: Header V4 RSA/SHA512 Signature, key ID a14fe591: NOKEY
Verifying...                          ################################# [100%]
Preparing...                          ################################# [100%]
Updating / installing...
   1:zabbix-release-6.0-4.el8         ################################# [100%]
[root@lnxvm-oracle suleyman]#
```

```
[root@lnxvm-oracle suleyman]# rpm -Uvh https://repo.zabbix.com/zabbix/6.0/rhel/8/x86_64/zabbix-release-6.0-4.el8.noarch.rpm
4Retrieving https://repo.zabbix.com/zabbix/6.0/rhel/8/x86_64/zabbix-release-6.0-4.el8.noarch.rpm
warning: /var/tmp/rpm-tmp.ZCqHUQ: Header V4 RSA/SHA512 Signature, key ID a14fe591: NOKEY
Verifying...                          ################################# [100%]
Preparing...                          ################################# [100%]
Updating / installing...
   1:zabbix-release-6.0-4.el8         ################################# [100%]
[root@lnxvm-oracle suleyman]# dnf clean all
24 files removed
[root@lnxvm-oracle suleyman]#
```

6- Zabbix Agent'ımı yüklüyorum.

2 Install and configure Zabbix for your platform

a. Install Zabbix repository — Documentation

```
# rpm -Uvh https://repo.zabbix.com/zabbix/6.0/rhel/8/x86_64/zabbix-release-6.0-4.el8.noarch.rpm
# dnf clean all
```

b. Install Zabbix agent

```
# dnf install zabbix-agent
```

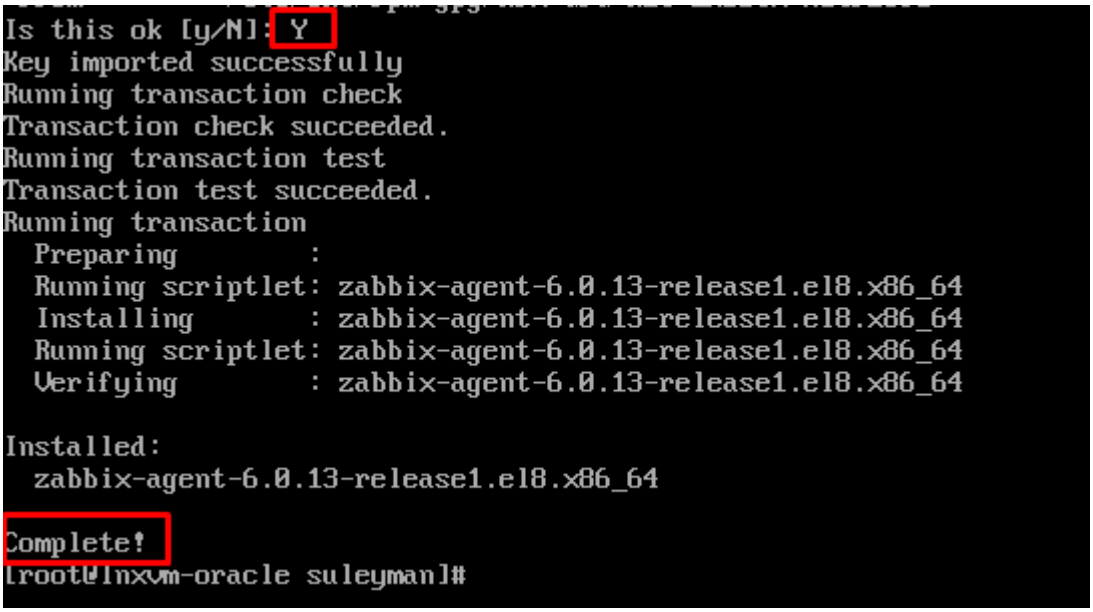
c. Start Zabbix agent process

Start Zabbix agent process and make it start at system boot.

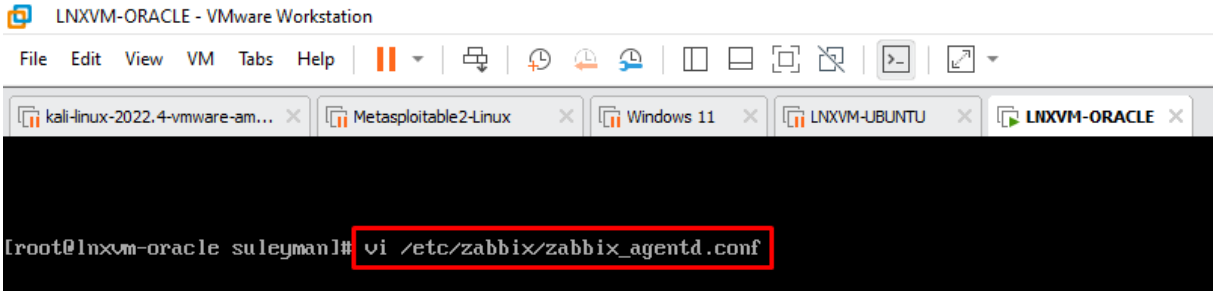
```
# systemctl restart zabbix-agent
# systemctl enable zabbix-agent
```

7- Zabbix Agent Yükleme esnasında gelen sorulara Y (Yes) diyerek ilerliyorum ve Agent kurulumunu başarıyla tamalıyorum.

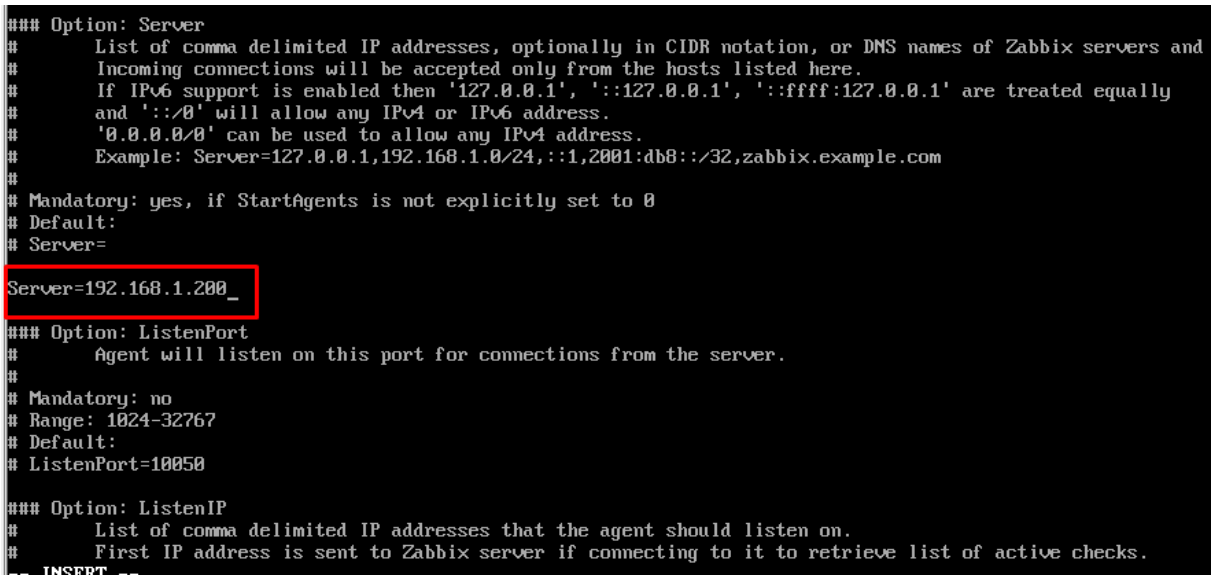
```
[root@lnxvm-oracle suleyman]# dnf install zabbix-agent
Oracle Linux 8 BaseOS Latest (x86_64)
Oracle Linux 8 Application Stream (x86_64)
Latest Unbreakable Enterprise Kernel Release 6 for Oracle Linux 8 (x86_64)
Zabbix Official Repository - x86_64
Zabbix Official Repository (non-supported) - x86_64
Zabbix Official Repository (Agent2 Plugins) - x86_64
Dependencies resolved.
================================================================================
 Package                 Architecture            Version
================================================================================
Installing:
 zabbix-agent            x86_64                  6.0.13-release1.el8

Transaction Summary
================================================================================
Install  1 Package

Total download size: 548 k
Installed size: 2.4 M
Is this ok [y/N]: Y_
```



8- vi editörüyle Zabbix Agent Konfigrasyon dosyamı açıyorum;
vi /etc/zabbix/zabbix_agentd.conf



9- Server Adres yerine Zabbix sunucumun IP adresini yazıyorum.



10- ServerActive yerinede Zabbix Sunucumun IP adresni yazıyorum.

```
ServerActive=192.168.1.200

### Option: Hostname
#       List of comma delimited unique, case sensitive hostnames.
#       Required for active checks and must match hostnames as configured on the server.
#       Value is acquired from HostnameItem if undefined.
#
# Mandatory: no
# Default:
# Hostname=

Hostname=Zabbix server

### Option: HostnameItem
-- INSERT --
```

11- Hostname alanına diyez(#) işareti ile yorum satırı haline getiriyorum (Host ismini manuel ekleyeceğiz) ve konfigrsyon dosyasını kaydedip çıkış yapıyorum.

```
### Option: Hostname
#       List of comma delimited unique, case sensitive hostnames.
#       Required for active checks and must match hostnames as configured on the server.
#       Value is acquired from HostnameItem if undefined.
#
# Mandatory: no
# Default:
# Hostname=

#Hostname=Zabbix server

### Option: HostnameItem
#       Item used for generating Hostname if it is undefined. Ignored if Hostname is defined.
#       Does not support UserParameters or aliases.
#
# Mandatory: no
# Default:
# HostnameItem=system.hostname

### Option: HostMetadata
#       Optional parameter that defines host metadata.
#       Host metadata is used at host auto-registration process.
#       An agent will issue an error and not start if the value is over limit of 255 characters.
#       If not defined, value will be acquired from HostMetadataItem.
#
-- INSERT --
```

12- Zabbix Agent'ı restart(yeniden başlat) ediyoruz.

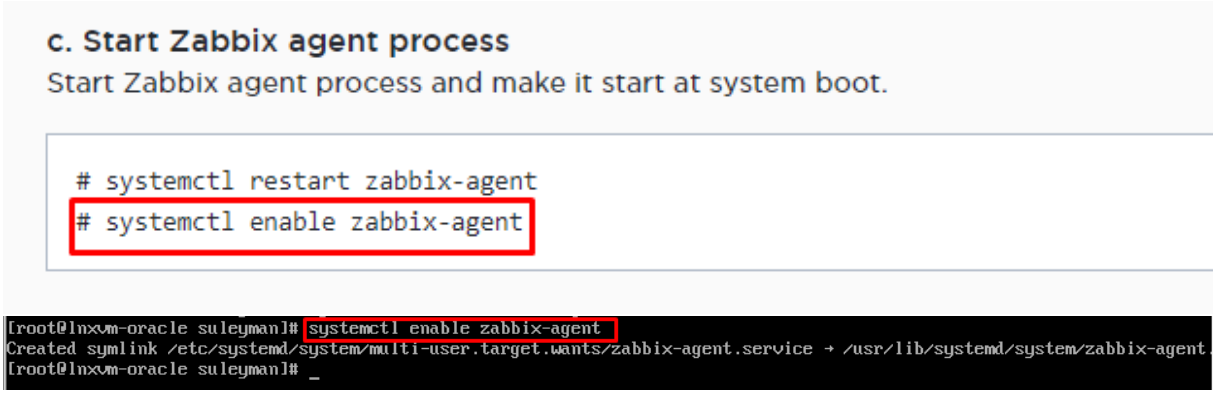
c. Start Zabbix agent process

Start Zabbix agent process and make it start at system boot.

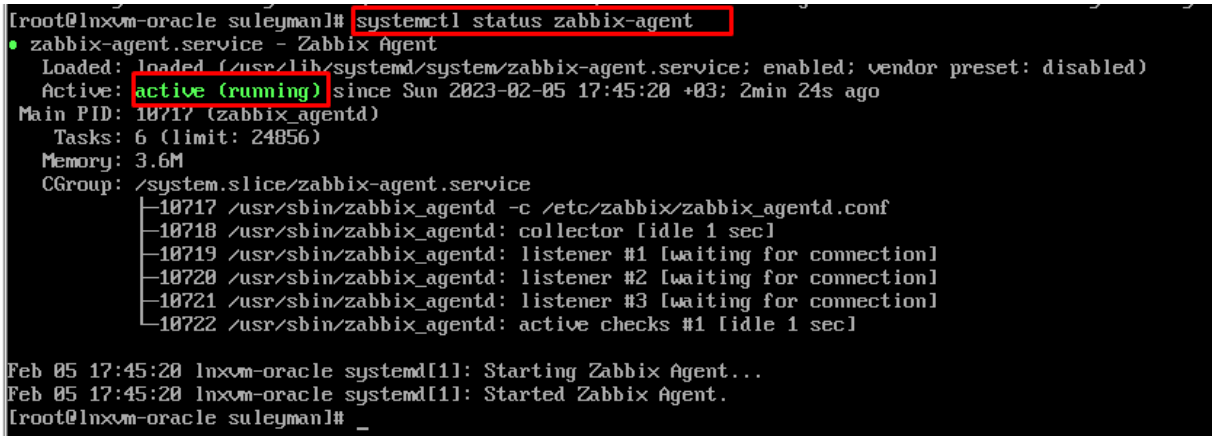
```
# systemctl restart zabbix-agent
# systemctl enable zabbix-agent
```

```
[root@lnxvm-oracle suleyman]# systemctl restart zabbix-agent
[root@lnxvm-oracle suleyman]#
```

13- Zabbix Agent'ı enable(Açık) duruma getiriyoruz.



14- systemctl status Zabbix-agent komutu ile Zabbix Agent'ın aktif olduğundan emin oluyoruz.

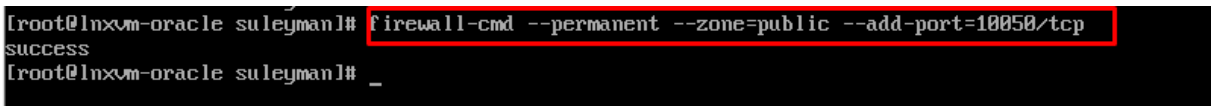


15- Zabbix Agent'ın haberleşmeyi sağlaması için 10050 portunun açık olması gerekmektedir. O yüzden 10050 portunu açıyoruz.

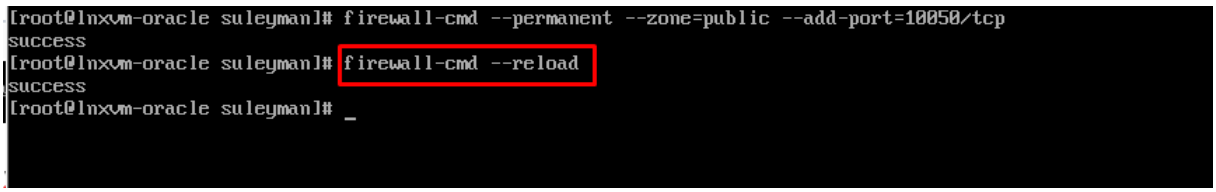
firewall-cmd --permanent --zone=public --add-port=10050/tcp

- **(debian tabanlı linux makinelerde;**
  ufw allow 10050/tcp

Komutunu çalıştırmam gerekecekti)



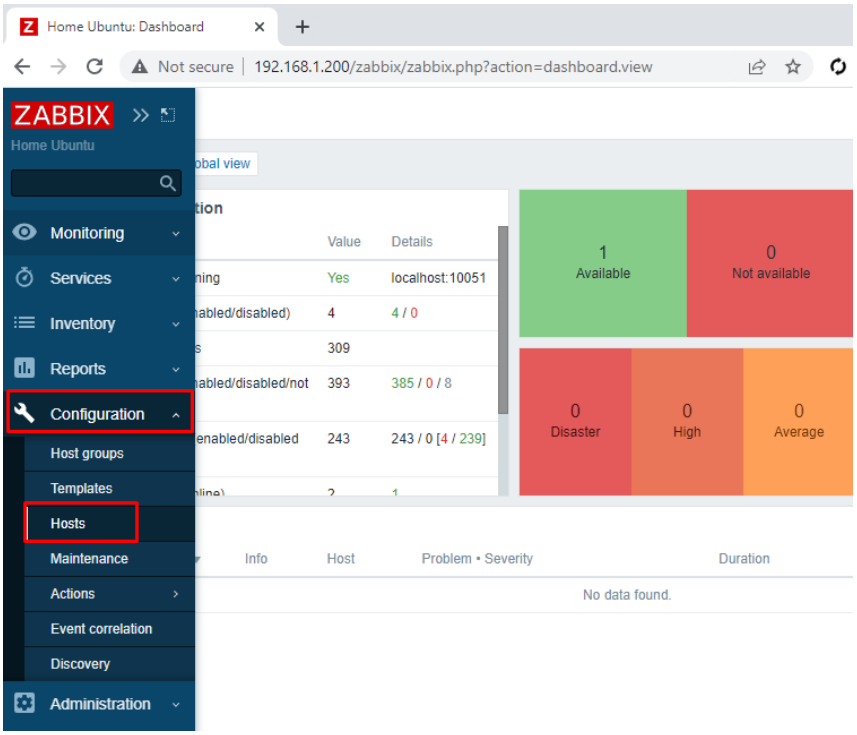
16- Ayarların geçerli olması için firewall'u reload ediyoruz.
firewall-cmd –reload



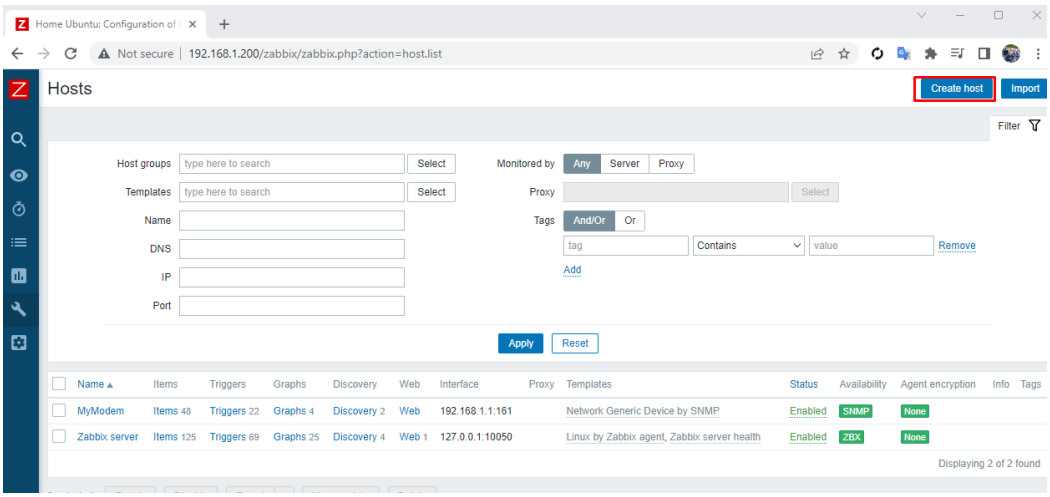
17- **Linux makinemizde firewall 10050 portunun açık olduğunu görüyoruz.**
firewall-cmd --permanent --zone=public --list-ports

```
[root@lnxvm-oracle suleyman]# firewall-cmd --permanent --zone=public --add-port=10050/tcp
success
[root@lnxvm-oracle suleyman]# firewall-cmd --reload
success
[root@lnxvm-oracle suleyman]# firewall-cmd --permanent --zone=public --list-ports
10050/tcp
[root@lnxvm-oracle suleyman]# _
```

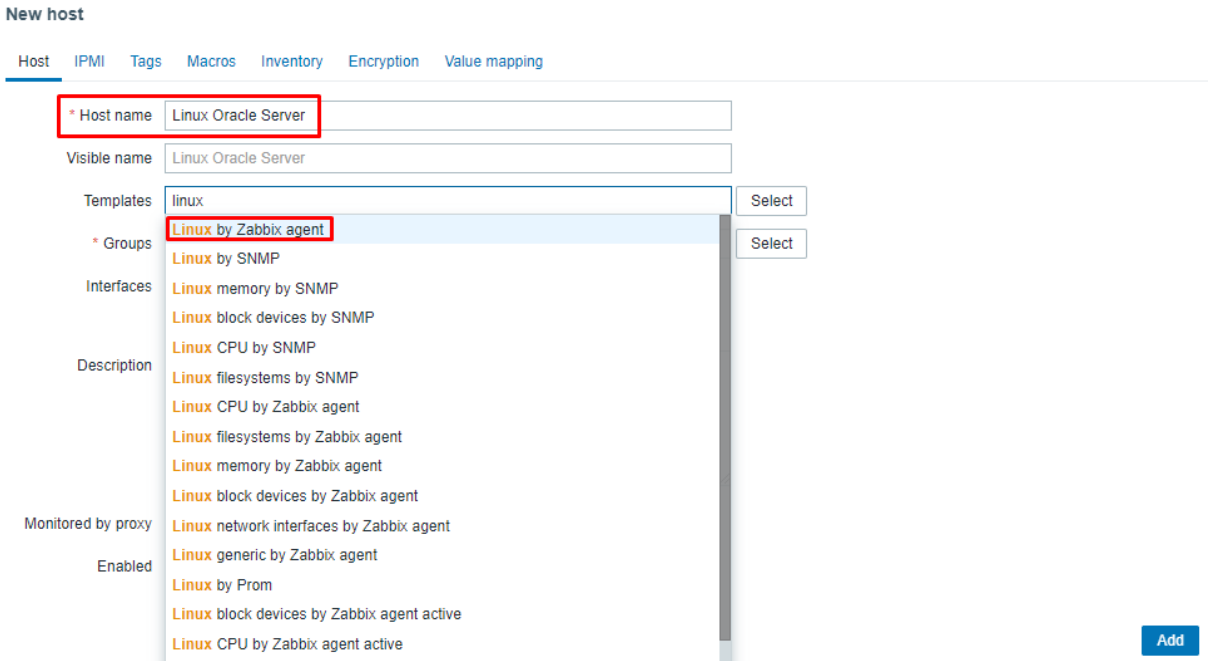
18- **Zabbix Sunucuma giderek Configuration menüsü altında host alanına gidiyorum.**



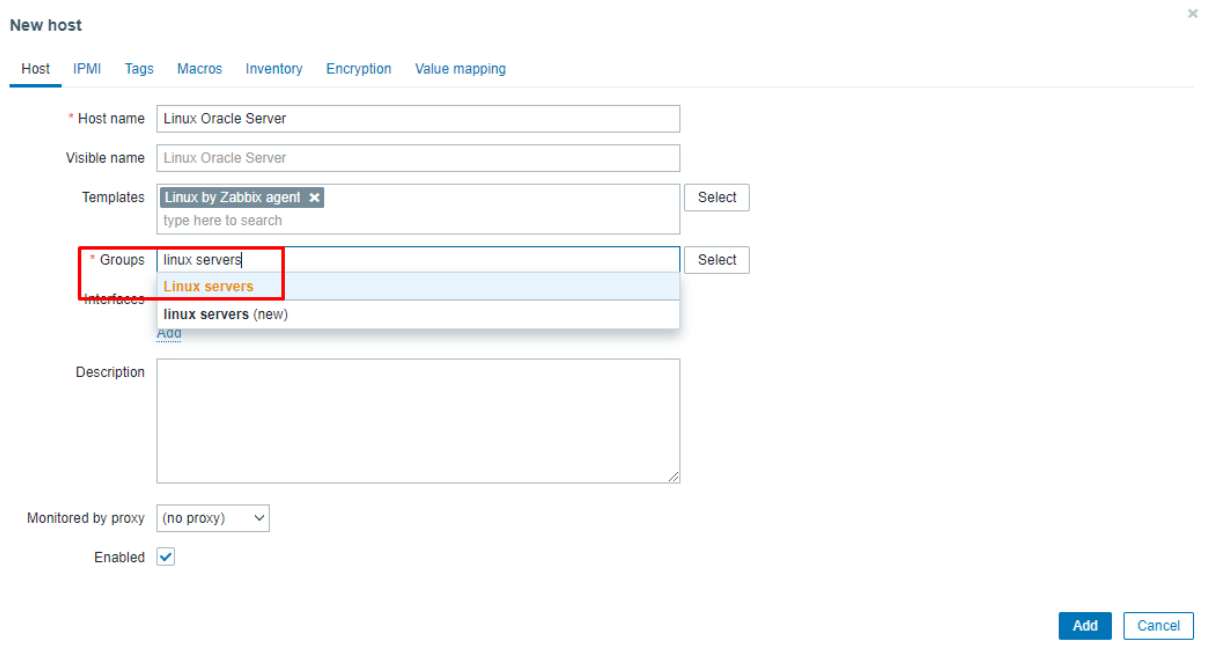
19- **Create host butonuna tıklayarak yeni host oluşturuyoruz.**



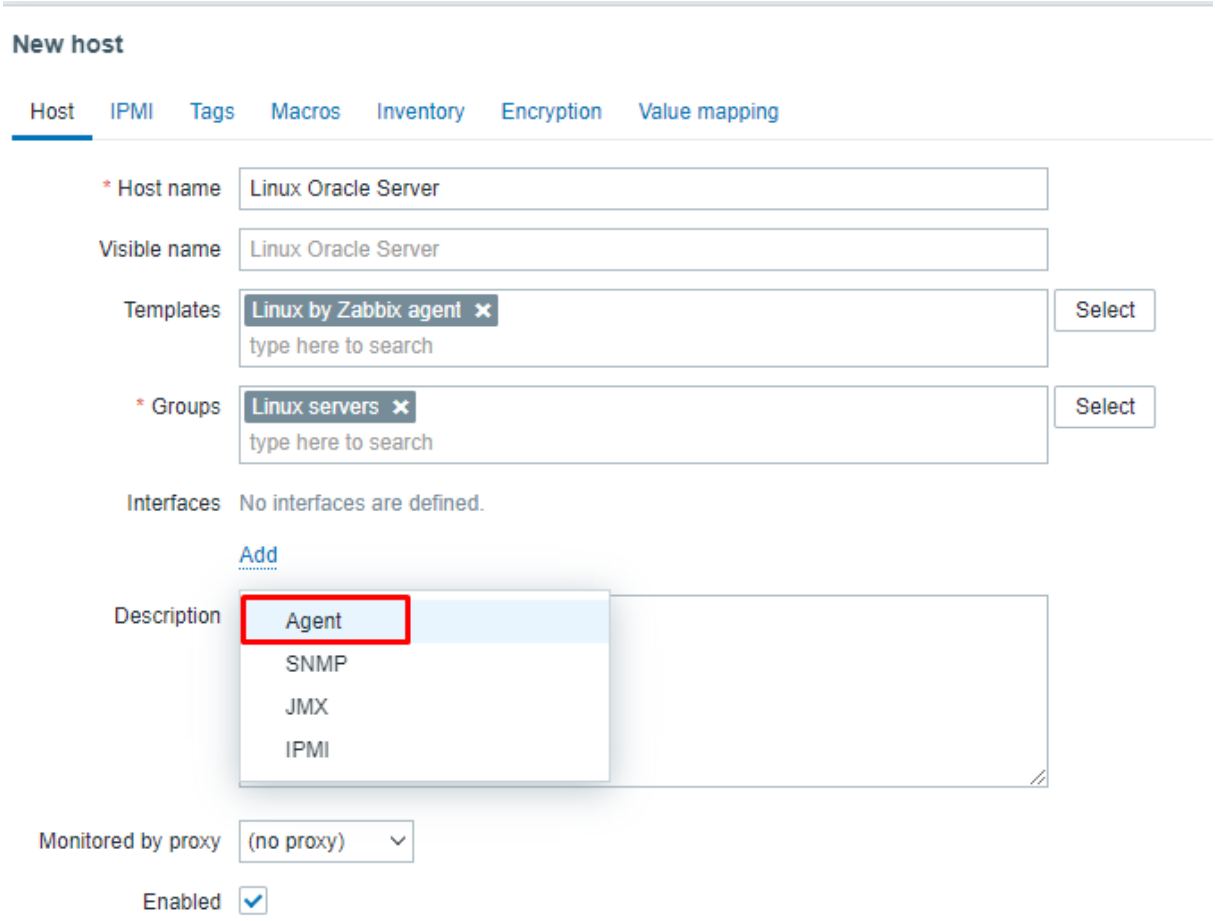
20- Host name alanına dilediğiniz ismi yazabilirsiniz. Template kısmında ise Linux by Zabbix agent seçiyoruz.



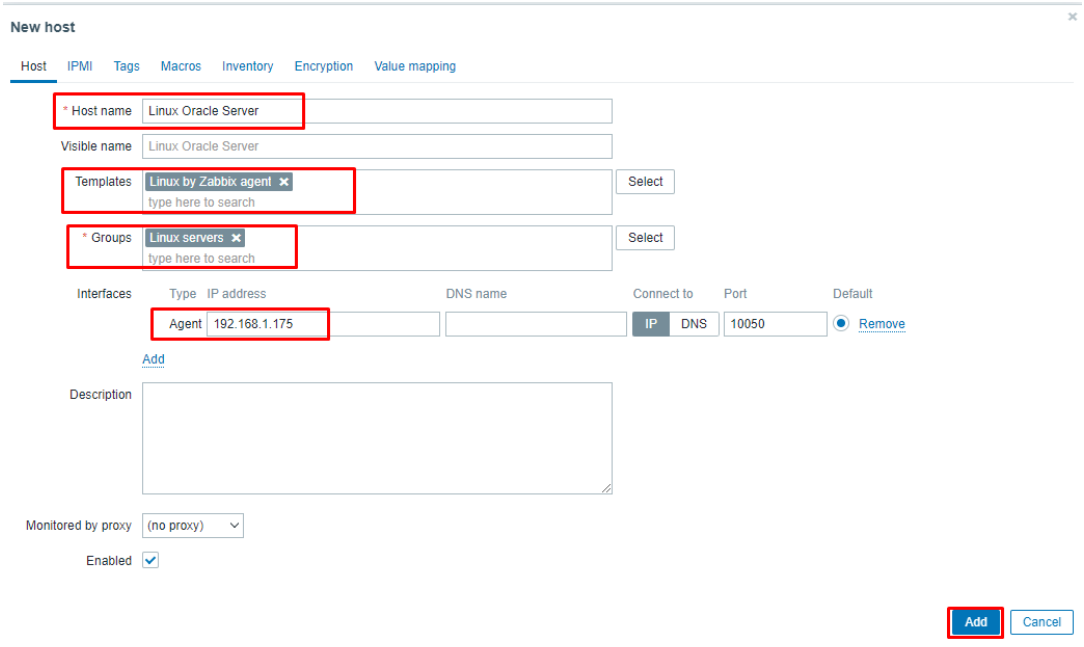
21- Groups kısımında Linux servers grubuna alıyorum.



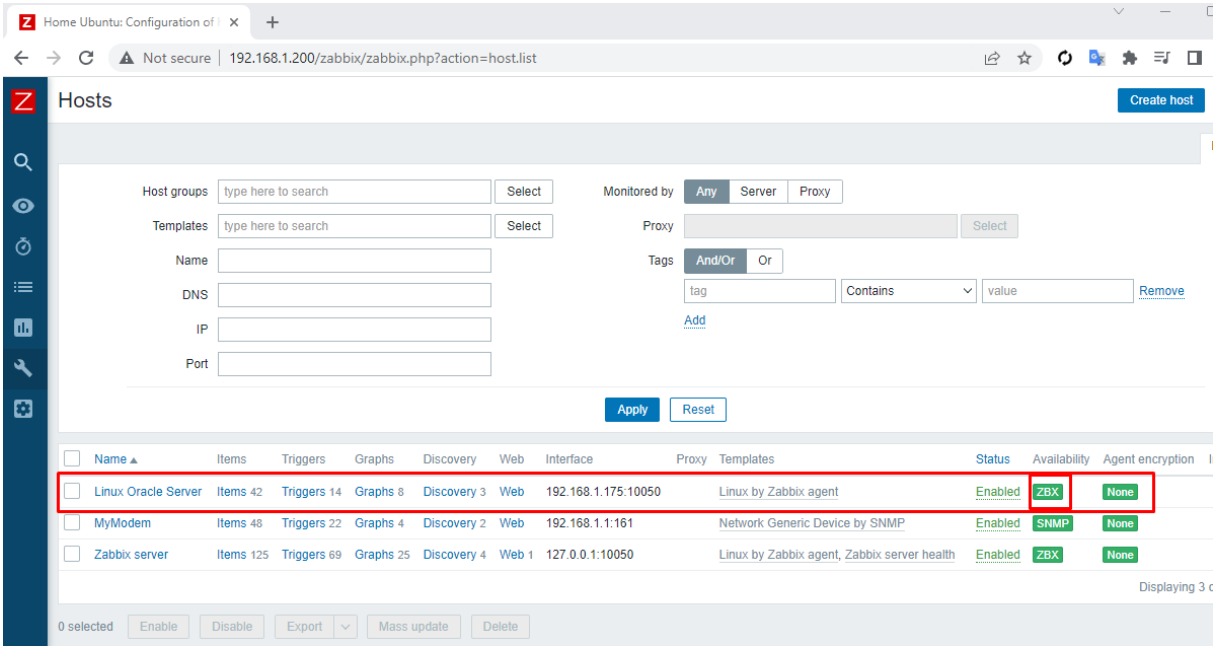
22- Interface kısmanda ise Agent seçiyorum. Ve Linux makinemin IP adresini giriyorum.



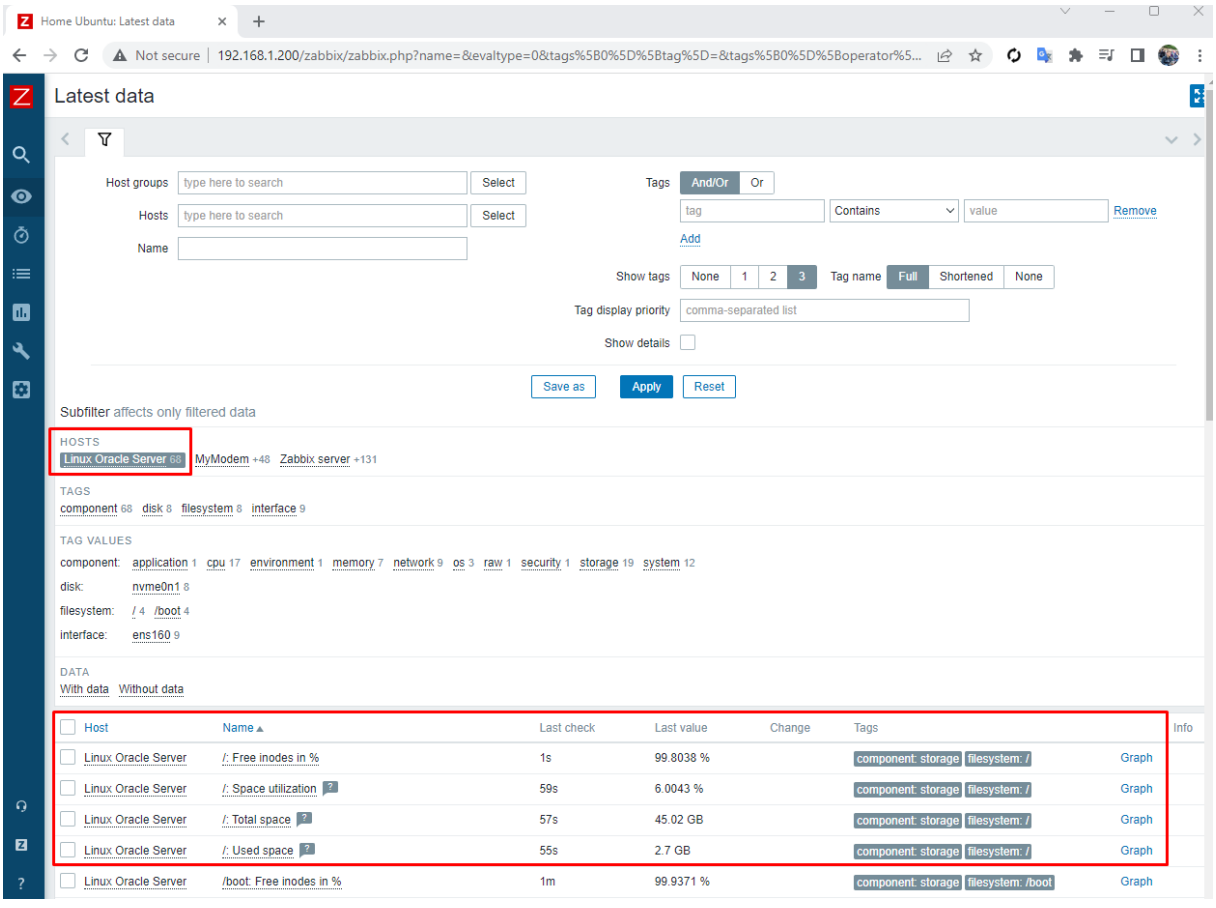
23- Add (Ekle) Butonuna tıklayarak linux makinemi ekliyorum.



24- Linux makinem eklendi, birkaç dakika bekleyip sayfayı yenileyerek Agent aktif olduğunu görüyorum.



25- Monitoring menüsü altında Latest data alanına gidederek metriklerimi gözlemliyorum.



26- CPU Utilization (CPU kullanımı) metrik değerlerini monitror edebiliyoruz.