

How to Upgrade Ubuntu to the Latest Version?

written by sysadmin | 26 April 2025

I have a Linux Ubuntu server version 22.04, and I want to upgrade to the latest version of Ubuntu.

Problem

How to upgrade Ubuntu to the latest version?

Solution

Before you upgrade your Ubuntu version, I think you have to back up your important data to other devices, and have internet to download the packages needed to upgrade. After that, **open port 1022** on your laptop or server if you use the firewall using the below commands:

```
sudo ufw allow 1022/tcp
sudo ufw reload
sudo ufw status
```

```

cloud_user@415764cc7e1c:~$ sudo ufw allow 1022/tcp
[sudo] password for cloud_user:
Rule added
Rule added (v6)
cloud_user@415764cc7e1c:~$ sudo ufw reload
Firewall reloaded
cloud_user@415764cc7e1c:~$ sudo ufw status
Status: active

To Action From
--
31297 ALLOW Anywhere
22 ALLOW Anywhere
5901 ALLOW Anywhere
1022/tcp ALLOW Anywhere
31297 (v6) ALLOW Anywhere (v6)
22 (v6) ALLOW Anywhere (v6)
5901 (v6) ALLOW Anywhere (v6)
1022/tcp (v6) ALLOW Anywhere (v6)

cloud_user@415764cc7e1c:~$

```

Open the port

You should know that the Ubuntu version **upgrade process can only be done to one major LTS version**. So if you have Ubuntu version 20.04 and want to upgrade to the latest version (version 24.04 in November 2024), you have to do a 2x upgrade process, upgrading to version 22.04 first and then to version 24.04. I have Ubuntu version 22.04, like in the image below:

```

cloud_user@415764cc7e1c:~$ cat /etc/*release
DISTRIB_ID=Ubuntu
DISTRIB_RELEASE=22.04
DISTRIB_CODENAME=jammy
DISTRIB_DESCRIPTION="Ubuntu 22.04.5 LTS"
PRETTY_NAME="Ubuntu 22.04.5 LTS"
NAME="Ubuntu"
VERSION_ID="22.04"
VERSION="22.04.5 LTS (Jammy Jellyfish)"
VERSION_CODENAME=jammy
ID=ubuntu
ID_LIKE=debian
HOME_URL="https://www.ubuntu.com/"
SUPPORT_URL="https://help.ubuntu.com/"
BUG_REPORT_URL="https://bugs.launchpad.net/ubuntu/"
PRIVACY_POLICY_URL="https://www.ubuntu.com/legal/terms-and-policies/privacy-policy"
UBUNTU_CODENAME=jammy
cloud_user@415764cc7e1c:~$

```

Check the version of Ubuntu

So, I type the command below:

```
sudo apt update  
sudo apt upgrade -y
```

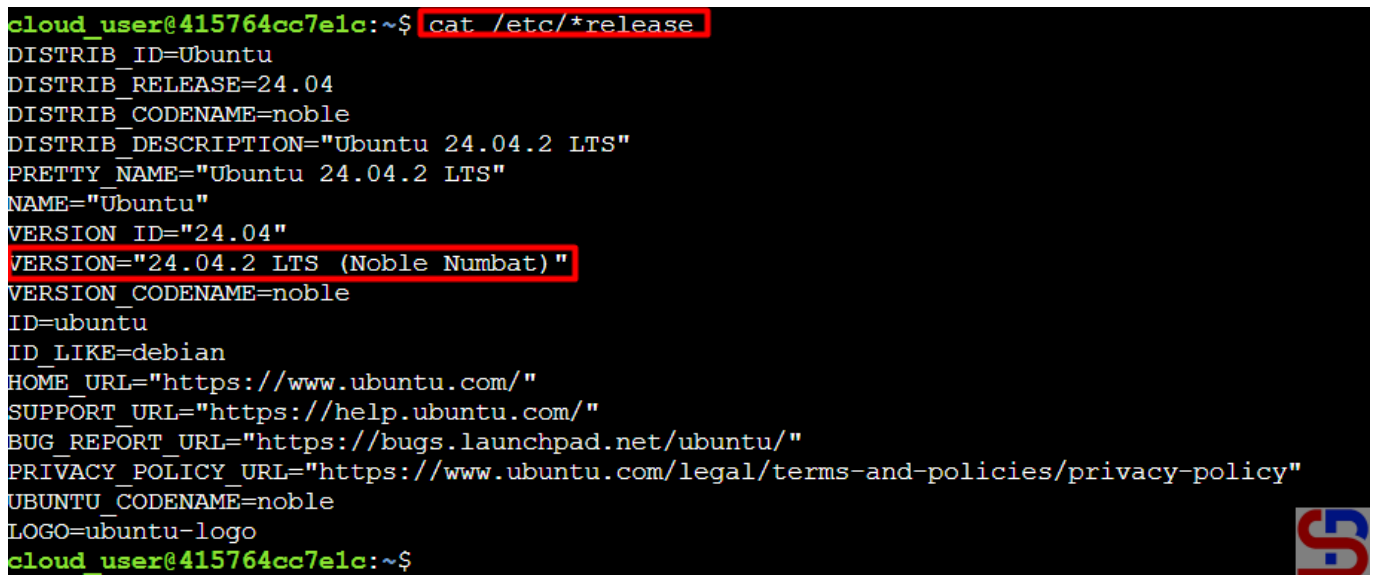
After that, reboot the server using the command below:

```
sudo reboot
```

After reboot, run the command below:

```
sudo do-release-upgrade
```

The server will start upgrading to Ubuntu version 24.04. Wait until finished, and sometimes you have to answer the questions asked by the Linux system when upgrading. After the upgrade finishes, check the version of Ubuntu, like in the image below:



```
cloud_user@415764cc7e1c:~$ cat /etc/*release  
DISTRIB_ID=Ubuntu  
DISTRIB_RELEASE=24.04  
DISTRIB_CODENAME=noble  
DISTRIB_DESCRIPTION="Ubuntu 24.04.2 LTS"  
PRETTY_NAME="Ubuntu 24.04.2 LTS"  
NAME="Ubuntu"  
VERSION_ID="24.04"  
VERSION="24.04.2 LTS (Noble Numbat)"  
VERSION_CODENAME=noble  
ID=ubuntu  
ID_LIKE=debian  
HOME_URL="https://www.ubuntu.com/"  
SUPPORT_URL="https://help.ubuntu.com/"  
BUG_REPORT_URL="https://bugs.launchpad.net/ubuntu/"  
PRIVACY_POLICY_URL="https://www.ubuntu.com/legal/terms-and-policies/privacy-policy"  
UBUNTU_CODENAME=noble  
LOGO=ubuntu-logo  
cloud_user@415764cc7e1c:~$
```

Ubuntu was successfully upgraded

If during the upgrade process, there is a notification like the picture below:

Could not calculate the upgrade

An unresolvable problem occurred while calculating the upgrade.

```
Checking package manager
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
```

```
Calculating the changes
```

```
Calculating the changes
```

```
Could not calculate the upgrade
```

```
An unresolvable problem occurred while calculating the upgrade.
```

```
The package 'postgresql-12' is marked for removal but it is in the
removal deny list.
```

```
To prevent data loss, postgresql packages are not removed
automatically during the upgrade. If you are certain you no longer
need postgresql-12, you can manually remove it and try the upgrade
again.
```

```
If none of this applies, then please report this bug using the
command 'ubuntu-bug ubuntu-release-upgrader-core' in a terminal. If
you want to investigate this yourself the log files in
'/var/log/dist-upgrade' will contain details about the upgrade.
Specifically, look at 'main.log' and 'apt.log'.
```

```
Restoring original system state
```

```
Aborting
```

```
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
```

```
=== Command detached from window (Sat Nov 9 15:04:49 2024) ===
```

```
=== Command terminated with exit status 1 (Sat Nov 9 15:04:59 2024) ===
```



Error when upgrading Ubuntu

Type the command below to see the errors that occurred during the upgrade process:

```
cat /var/log/dist-upgrade/main.log | grep ERROR
```

In the log, you have to search for the cause of the error, but actually, you can find the root cause in the notification, like in the image below:

```
Checking package manager
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done

Calculating the changes

Calculating the changes

Could not calculate the upgrade

An unresolvable problem occurred while calculating the upgrade.

The package 'postgresql-12' is marked for removal but it is in the
removal deny list.

To prevent data loss, postgresql packages are not removed
automatically during the upgrade. If you are certain you no longer
need postgresql-12, you can manually remove it and try the upgrade
again.

If none of this applies, then please report this bug using the
command 'ubuntu-bug ubuntu-release-upgrader-core' in a terminal. If
you want to investigate this yourself the log files in
'/var/log/dist-upgrade' will contain details about the upgrade.
Specifically, look at 'main.log' and 'apt.log'.

Restoring original system state

Aborting
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
=== Command detached from window (Sat Nov  9 15:50:17 2024) ===
=== Command terminated with exit status 1 (Sat Nov  9 15:50:27 2024) ===
```



Find the root cause of the error

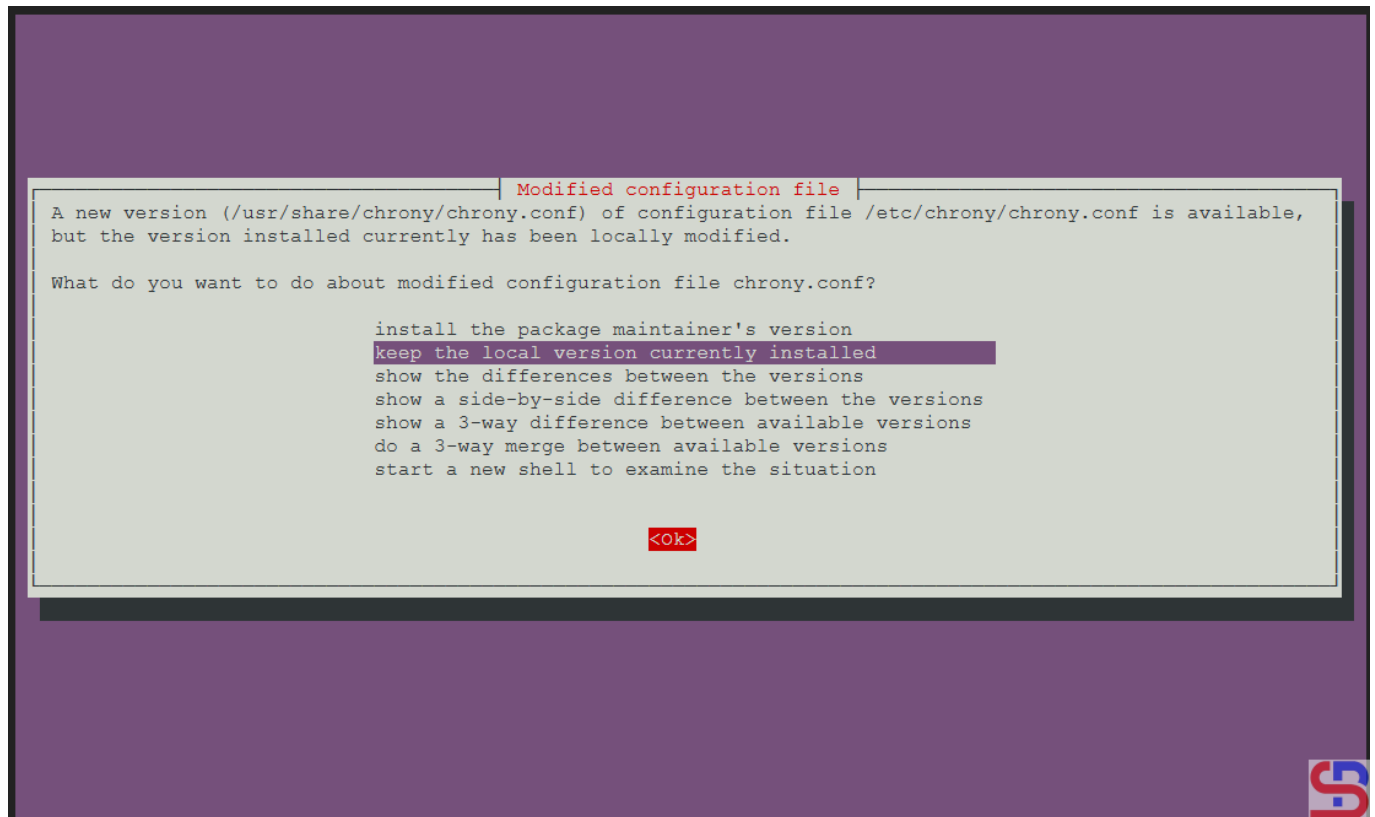
The root cause is in the postgresql-12 package, so I removed the package and then ran the command below to carry out the upgrade process again:

```
sudo do-release-upgrade
```

The Ubuntu upgrade process should be completed until it is finished.

Note

When you upgrade Ubuntu, you have to answer the questions from the Ubuntu system, like in the image below:



Choose the answer when upgrading to Ubuntu

If you don't want to be bothered by the questions asked by the Linux system during the upgrade process, then use the command below:

```
sudo do-release-upgrade -f DistUpgradeViewNonInteractive
```

References

ubuntu.com
serverpilot.io
jumpcloud.com
askubuntu.com