comment passer de debian-11 à debian-12

Debian 12, codename "Bookworm" was released on the 10th of June 2023. It is a stable release and is supported for the next 5 years. This release updates many well-known packages, including Linux Kernel 6.1 LTS, Apache 2.4.57, MariaDB 10.11, and more.

Before upgrading to Debian 12, you should do the following things:

- Back up all your files on a external drive.
- Make sure you have a stable internet connection.

This article will show you how to upgrade from Debian 11 (Bullseye) to Debian 12 (Bookworm) in a few easy steps.

Update the System

Login to the server as root user. If you are not root yet, run the following command:

```
su -
```

Verify your operating system version using the following command:

```
lsb_release -a
```

You should see the following output:

```
No LSB modules are available.
Distributor ID: Debian
Description:    Debian GNU/Linux 11 (bullseye)
Release:        11
Codename:       bullseye
```

If that's not the case, you are most likely not running Debian 11 and should not follow this guide further. Otherwise, you can continue with the next step:

Now you must update and upgrade all your system packages to the latest version. Run the following command to update and upgrade all packages:

```
apt-get update
apt-get upgrade
apt-get dist-upgrade
```

Next, remove all unwanted packages with the following command:

```
apt-get autoremove
```

After that, you shall restart your system to apply all updates:

```
reboot
```

Update repository files

We will now update the repository sources to use the Debian 12 Bookworm repository.

To do so, you can update all source files by running these commands:

```
sed -i 's/bullseye/bookworm/g' /etc/apt/sources.list
sed -i 's/bullseye/bookworm/g' /etc/apt/sources.list.d/*.list
```

Or edit the APT source file manually with the following command:

```
nano /etc/apt/sources.list
```

Replace "bullseye" with "bookworm". The result should be similar to the one below:

```
deb http://deb.debian.org/debian bookworm main contrib non-free
deb http://deb.debian.org/debian bookworm-updates main contrib non-free
deb http://security.debian.org/debian-security bookworm-security main
```

Save and close the file when you are finished. If there are more APT source files in /etc/apt/sources.list.d/, edit these as

well by replacing "bullseye" with "bookworm".

As of Debian 12 "Bookworm", all non-free firmware packages (i.e. firmware-amd-graphics, firmware-iwlwifi, firmware-misc-nonfree) have been moved to their own archive component ("non-free-firmware"). If you have non-free firmware packages installed on your system, you need to add this in the sources.list file.

Example:

```
deb https://deb.debian.org/debian bookworm main
```

Would become:

```
deb https://deb.debian.org/debian bookworm main non-free-firmware
```

Upgrade the operating system from Debian 11 (bullseye) to Debian 12 (bookworm)

At this point, your server is ready for the upgrade.

First, update the repository to apply the changes you made in the previous step.

```
apt-get update -y
```

During the process of updating, the system might query you for input, for example when it wants to restarts services, update configuration file, or read the release notes. Go through these queries one by one. For configuration files, it's usually best to compare the differences between the current version and proposed new version of your configuration file.

Update the existing packages without installing new ones:

```
apt-get upgrade --without-new-pkgs -y
```

Once this is done, run the following command to start the upgrade:

```
apt-get full-upgrade -y
```

Once your system has been upgraded, restart it to apply all the updates.

```
reboot
```

Verify the upgrade

You can now verify the upgrade using the following command:

```
lsb_release -a
```

You should see the Debian 12 version in the following output:

```
No LSB modules are available.
Distributor ID: Debian
Description:    Debian GNU/Linux 12 (bookworm)
Release:       12
Codename:      bookworm
```

Conclusion

Your server is now upgraded to the latest Debian LTS release. If you have any problems, please create a post in our forum.