

Debian Upgrade auf neuen Release

Quelle: <https://www.cyberciti.biz/faq/update-upgrade-debian-9-to-debian-10-buster/>

Upgrade Debian 9 to Debian 10 Buster

The procedure is as follows:

1. Backup your system.
2. Update existing packages and reboot the Debian 9.x system.
3. Edit the file `/etc/apt/sources.list` using a text editor and replace each instance of **stretch** with **buster**.
4. Update the packages index on Debian Linux, run: `sudo apt update`
5. Prepare for the operating system upgrade, run: `sudo apt upgrade`
6. Finally, update Debian 9 to Debian 10 buster by running: `sudo apt full-upgrade`
7. Reboot the Linux system so that you can boot into Debian 10 Buster
8. Verify that everything is working correctly.

Let us see all command in details.

Step 1. Backup your system

It is crucial to backup all data and system configurations. Cloud-based VMs can be quickly backup and restore using snapshots. I use [rsnapshot](#), which is the perfect solution for making backups on the local or remote servers. [Check os version in Linux:](#)

```
lsb_release -a
```

Sample outputs:

```
No LSB modules are available.
Distributor ID: Debian
Description: Debian GNU/Linux 9.9 (stretch)
Release: 9.9
Codename: stretch
```

Note down the [Linux kernel version](#) too:

```
uname -mrs
```

Sample outputs:

```
Linux 4.9.0-9-amd64 x86_64
```

Step 2. Update installed packages

Type the following [apt command](#) or [apt-get command](#):

```
sudo apt update
sudo apt upgrade
sudo apt full-upgrade
sudo apt --purge autoremove
```

OR

```
sudo apt-get update
sudo apt-get upgrade
sudo apt-get full-upgrade
sudo apt-get --purge autoremove
```

[Reboot the Debian 9.x stretch](#) to apply the kernel and other updates:

```
sudo reboot
```

Step 3. Update /etc/apt/sources.list file

Before starting the upgrade you must reconfigure APT's source-list files. To view current settings using the [cat command](#):

```
cat /etc/apt/sources.list
```

Sample outputs:

```
deb http://cdn-aws.deb.debian.org/debian stretch main
deb http://security.debian.org/debian-security stretch/updates main
deb http://cdn-aws.deb.debian.org/debian stretch-updates main
```

The stretch indicates that we are using an older version. Hence, we must change all the references in this file from Stretch to Buster using a text editor such as vim:

```
vi /etc/apt/sources.list
```

I prefer to use sed tool, but first backup all config files using the [cp command](#):

```
sudo cp -v /etc/apt/sources.list /root/
sudo cp -rv /etc/apt/sources.list.d/ /root/
sudo sed -i 's/stretch/buster/g' /etc/apt/sources.list
sudo sed -i 's/stretch/buster/g' /etc/apt/sources.list.d/*
### see updated file now ###
cat /etc/apt/sources.list
```

Updating the package list

Simply run:

```
sudo apt update
```

Updating the package list

Step 4. Minimal system upgrade

A two-part process is necessary to avoid the removal of large numbers of packages that you want to keep. Therefore, first run the following:

```
sudo apt upgrade
```

Debian 9 to Debian 10 Minimal system upgrade

Just follow on-screen instructions. During the upgrade process, you may get various questions, like “Do you want to restart the service? ” OR “keep or erase config options” and so on.

Restart services during package upgrades without asking

And:

What do you want to do about modified config file

Step 5. Upgrading Debian 9 to Debian 10

In addition, minimum upgrades we need to do full upgrades to finish the whole Debian 9 to Debian 10 update process. This is the main part of the upgrade. In other words, execute the following command to perform a complete upgrade of the system, installing the newest available versions of all packages, and resolving all possible dependency:

```
sudo apt full-upgrade
```

How to upgrade Debian 9 to Debian 10 Buster using the CLI

[Reboot the Linux system](#) to boot into Debian Linux 10 buster, issue:

```
sudo reboot
```

Step 6. Verification

It is time to confirm the upgrade. Run:

```
uname -r
```

```
lsb_release -a
```

Sample outputs:

```
No LSB modules are available.  
Distributor ID: Debian  
Description: Debian GNU/Linux 10 (buster)  
Release: 10  
Codename: buster
```

Finally, clean up outdated packages using the [apt command/apt-get command](#):

```
sudo apt --purge autoremove
```

How to Upgrade Debian 9 Stretch to Debian 10 Buster

Conclusion

And there you have it. We have successfully upgraded to Debian Linux 10. Debian project also posted an in-depth guide [here](#) that explains other issues one might face during installation.

Revision #1

Created 2 September 2019 08:20:09 by David

Updated 20 January 2020 08:57:40 by David