

# Debian 10.3 Released



**debian**

Debian Linux

Pretty cool! I almost missed that [Debian 10.3 got released last week](#). This is a corrective release, meaning it's about improving stability and security rather than about introducing major innovations.

## Upgrade Debian 10.2 to 10.3

I only have one dedicated server running **Debian 10**, and will possibly reinstall even that – turns out I'm much more used to [CentOS](#) servers than anything else.

BUT this server is still there, so why not upgrade it?

# Step 1: Update Debian repositories

First, we run **apt-get update**. I never noticed it before, but apparently this command is clever enough to recognize that **InRelease** changes version from 10.2 to 10.3 (see the last line of the output):

```
root@srv:~ # apt-get update
Get:1 http://mirrors.online.net/debian buster InRelease [122
kB]
Get:2 http://security.debian.org/debian-security
buster/updates InRelease [65.4 kB]
Get:3 https://download.docker.com/linux/ubuntu bionic
InRelease [64.4 kB]
Ign:4 http://mirrors.online.net/debian buster/non-free
Sources
Ign:5 http://mirrors.online.net/debian buster/main Sources
Ign:6 http://mirrors.online.net/debian buster/main amd64
Packages
Ign:7 http://mirrors.online.net/debian buster/main
Translation-en
Ign:8 http://mirrors.online.net/debian buster/non-free amd64
Packages
Ign:9 http://mirrors.online.net/debian buster/non-free
Translation-en
Get:4 http://mirrors.online.net/debian buster/non-free
Sources [86.3 kB]
Get:5 http://mirrors.online.net/debian buster/main Sources
[7,832 kB]
Get:10 http://security.debian.org/debian-security
buster/updates/main Sources [102 kB]
Get:11 http://security.debian.org/debian-security
buster/updates/main amd64 Packages [176 kB]
Get:12 http://security.debian.org/debian-security
buster/updates/main Translation-en [92.8 kB]
Get:6 http://mirrors.online.net/debian buster/main amd64
Packages [7,907 kB]
Get:7 http://mirrors.online.net/debian buster/main
```

Translation-en [5,970 kB]

Get:8 <http://mirrors.online.net/debian> buster/non-free amd64 Packages [88.0 kB]

Get:9 <http://mirrors.online.net/debian> buster/non-free Translation-en [88.7 kB]

Fetches 22.6 MB in 3s (6,828 kB/s)

Reading package lists... Done

**N: Repository '<http://mirrors.online.net/debian> buster InRelease' changed its 'Version' value from '10.2' to '10.3'**

## Step 2: Upgrade packages and Debian distro

`apt-get dist-upgrade` brings all the packages to the current release of your Debian/Ubuntu distro. In my case,

```
root@srv:~ # apt-get dist-upgrade
```

```
Reading package lists... Done
```

```
Building dependency tree
```

```
Reading state information... Done
```

```
Calculating upgrade... Done
```

```
The following NEW packages will be installed:
```

```
linux-headers-4.19.0-8-amd64 linux-headers-4.19.0-8-common  
linux-image-4.19.0-8-amd64
```

```
The following packages will be upgraded:
```

```
base-files e2fsprogs git-man libboost-iostreams1.67.0  
libboost-system1.67.0 libcom-err2 libcups2 libcupsimage2  
libext2fs2 libgnutls30 libidn2-0
```

```
libnss-systemd libopenjp2-7 libpam-systemd libpython3.7  
libpython3.7-dev libpython3.7-minimal libpython3.7-stdlib  
libsasl2-2 libsasl2-modules
```

```
libsasl2-modules-db libss2 libsystemd0 libtiff5  
libtimedate-perl libudev1 linux-compiler-gcc-8-x86 linux-headers-amd64  
linux-image-amd64 linux-kbuild-4.19
```

```
linux-libc-dev openssh-client openssh-server openssh-sftp-server  
python-apt python-apt-common python3-apt python3.7 python3.7-dev  
python3.7-minimal sudo
```

```
systemd systemd-sysv udev
44 upgraded, 3 newly installed, 0 to remove and 0 not
upgraded.
Need to get 129 MB of archives.
After this operation, 325 MB of additional disk space will be
used.
Do you want to continue? [Y/n] y
...
```

## Step 3: Reboot (when convenient)

You don't have to reboot immediately. The biggest reason to do it is to start using new version of [Linux kernel](#), but there's hardly a specific update in minor kernel upgrade that justifies immediate downtime.

Here's the kernel version before reboot:

```
root@srv:~ # uname -a
Linux srv.ts.fm 4.19.0-6-amd64 #1 SMP Debian 4.19.67-2+deb10u2
(2019-11-11) x86_64 GNU/Linux
```

When possible, you should [do a graceful reboot](#):

```
root@srv:~ # shutdown -r now
```

After system is back online, we can see that it's running **Debian Buster 10.3** now:

```
greys@srv:~ $ uname -a
```

Linux srv.ts.fm 4.19.0-8-amd64 #1 SMP Debian 4.19.98-1  
(2020-01-26) x86\_64 GNU/Linux

## See Also

- [Debian Buster](#)
- [Debian Linux](#)
- [Linux Kernel](#)
- [Linux Kernel 5.5](#)