

# Upgrade Ubuntu 20.04 Linux Kernel

## Verify Installed Kernel Version

Type the following command in command line to view currently installed Kernel version:

```
sudo uname -r
```














Should output output similar to below:

```
5.4.0-80-generic
```

## Download latest Kernel Version

















Navigate to the [kernel-ppa](https://kernel.ubuntu.com/~kernel-ppa/mainline/) website and then click on the **latest** Kernel version (at the time of this writing v5.15, adjust as necessary) (**Figure 1**).

**Figure 1**

 <a href="#">v5.14.13/</a>	2021-10-17 12:05	-
 <a href="#">v5.14.14/</a>	2021-10-20 11:35	-
 <a href="#">v5.14.15/</a>	2021-10-27 12:15	-
 <a href="#">v5.14.16/</a>	2021-11-02 21:00	-
 <a href="#">v5.14/</a>	2021-08-29 23:54	-
 <a href="#">v5.15-rc1/</a>	2021-09-13 00:57	-
 <a href="#">v5.15-rc2/</a>	2021-09-20 01:57	-
 <a href="#">v5.15-rc3/</a>	2021-09-26 22:56	-
 <a href="#">v5.15-rc4/</a>	2021-10-03 22:54	-
 <a href="#">v5.15-rc5/</a>	2021-10-11 01:58	-
 <a href="#">v5.15-rc6/</a>	2021-10-18 07:54	-
 <a href="#">v5.15-rc7/</a>	2021-10-25 19:55	-
 <a href="#">v5.15/</a>	2021-10-31 21:54	-

Next click on your platform version (most likely **amd64**) (**Figure 2**).

**Figure 2**

	<a href="#">Parent Directory</a>	-
	<a href="#">CHANGES</a>	2021-10-31 21:30 18K
	<a href="#">CHECKSUMS</a>	2021-10-31 21:32 245
	<a href="#">CHECKSUMS.gpg</a>	2021-10-31 21:32 473
	<a href="#">HEADER.html</a>	2021-10-31 21:54 4.9K
	<a href="#">REBUILD</a>	2021-10-31 21:30 45
	<a href="#">REBUILD.submit</a>	2021-10-31 21:32 454
	<a href="#">aggregate.yaml</a>	2021-10-31 21:54 2.2K
	<a href="#">amd64/</a>	2021-10-31 21:53 -
	<a href="#">arm64/</a>	2021-10-31 21:54 -
	<a href="#">armhf/</a>	2021-10-31 21:33 -
	<a href="#">crack_bundle</a>	2021-10-31 21:32 2.8M
	<a href="#">log</a>	2021-10-31 21:32 65K
	<a href="#">ppc64el/</a>	2021-10-31 21:46 -
	<a href="#">s390x/</a>	2021-10-31 21:53 -
	<a href="#">summary.yaml</a>	2021-10-31 21:32 279

Using wget download the following files (adjust file names to your version and date) (**Figure 3**):

```
wget linux-headers-<VERSION-NO>_<VERSION-NO>.<DATE>_all.deb
wget linux-image-unsigned-<VERSION-NO>-generic_<VERSION-NO>.<DATE>_amd64.deb
wget linux-modules-<VERSION-NO>-generic_<VERSION-NO>.<DATE>_amd64.deb
```

**Figure 3**

# Index of /~kernel-ppa/mainline/v5.15/amd64

	<a href="#">Name</a>	<a href="#">Last modified</a>	<a href="#">Size</a>	<a href="#">Description</a>
	<a href="#">Parent Directory</a>		-	
	<a href="#">CHECKSUMS</a>	2021-10-31 21:53	1.9K	
	<a href="#">CHECKSUMS.gpg</a>	2021-10-31 21:53	473	
	<a href="#">REBUILD</a>	2021-10-31 21:32	72	
	<a href="#">linux-headers-5.15.0-051500-generic_5.15.0-051500.202110312130_amd64.deb</a>	2021-10-31 21:48	2.6M	
	<a href="#">linux-headers-5.15.0-051500-lowlatency_5.15.0-051500.202110312130_amd64.deb</a>	2021-10-31 21:51	2.6M	
	<a href="#">linux-headers-5.15.0-051500_5.15.0-051500.202110312130_all.deb</a>	2021-10-31 21:46	12M	
	<a href="#">linux-image-unsigned-5.15.0-051500-generic_5.15.0-051500.202110312130_amd64.deb</a>	2021-10-31 21:46	9.8M	
	<a href="#">linux-image-unsigned-5.15.0-051500-lowlatency_5.15.0-051500.202110312130_amd64.deb</a>	2021-10-31 21:48	9.8M	
	<a href="#">linux-modules-5.15.0-051500-generic_5.15.0-051500.202110312130_amd64.deb</a>	2021-10-31 21:48	72M	
	<a href="#">linux-modules-5.15.0-051500-lowlatency_5.15.0-051500.202110312130_amd64.deb</a>	2021-10-31 21:51	72M	
	<a href="#">log</a>	2021-10-31 21:51	8.8M	
	<a href="#">self-tests/</a>	2021-10-31 21:52	-	
	<a href="#">status</a>	2021-10-31 21:51	2	
	<a href="#">summary.yaml</a>	2021-10-31 21:51	181	

## Install latest Kernel version

From the directory where you downloaded all the Kernel .deb files from above, run the following command:

```
sudo dpkg -i *.deb
```

Once installation is finished, reboot your computer and check that the Kernel has been upgraded by running the following command again:

```
sudo uname -r
```

Revision #1

Created 3 November 2021 14:52:16 by Dino Edwards

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