

# How to install G++ the C++ compiler on Ubuntu 18.04 Bionic Beaver Linux

27 May 2020 by Lubos Rendek

## Objective

The objective is to install G++ the C++ compiler on Ubuntu 18.04 Bionic Beaver

## Operating System and Software Versions

- **Operating System:** – Ubuntu 18.04 Bionic Beaver

## Requirements

Privileged access to your Ubuntu System as root or via **sudo** command is required.

## Conventions

- # – requires given [linux commands](#) to be executed with root privileges either directly as a root user or by use of **sudo** command
- \$ – requires given [linux commands](#) to be executed as a regular non-privileged user

## Other Versions of this Tutorial

[Ubuntu 20.04 \(Focal Fossa\)](#)

## Instructions

### Install GCC

The following [linux command](#) will install **gcc** compiler on on Ubuntu 18.04 Bionic Beaver. [Open up terminal](#) and enter:

```
$ sudo apt install g++
```

### Install build-essential

Another way to install **g++** compiler is to install it as part of **build-essential** package. Additionally the **build-essential** package will also install additional libraries as well as **gcc** compiler. In most cases or if unsure this is exactly what you need:

```
$ sudo apt install build-essential
```

## Check G++ version

Confirm your installation by checking for GCC version:

```
$ g++ --version
g++ (Ubuntu 7.2.0-18ubuntu2) 7.2.0
Copyright (C) 2017 Free Software Foundation, Inc.
This is free software; see the source for copying conditions. There is NO
warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE
```

## C Hello World

Compile a simple C++ “Hello World” code:

```
1  #include <iostream>
2  using namespace std;
3
4  int main()
5  {
6      cout << "Hello, World!";
7      return 0;
8  }
```

```
}
```

Save the above code within **hello.cc** file, compile and execute it:

```
$ g++ -o hello hello.cc
$ ./hello
Hello, World!
```

## Related Linux Tutorials:

- [Things to install on Ubuntu 20.04](#)
- [Things to do after installing Ubuntu 20.04 Focal Fossa Linux](#)
- [Ubuntu 20.04 Tricks and Things you Might not Know](#)
- [Ubuntu 20.04 Guide](#)
- [Things to install on Ubuntu 22.04](#)
- [How to install MATLAB on Ubuntu 20.04 Focal Fossa Linux](#)
- [Things to do after installing Ubuntu 22.04 Jammy Jellyfish...](#)
- [Ubuntu 20.04 Hadoop](#)
- [The 8 Best Ubuntu Desktop Environments \(20.04 Focal Fossa...](#)
- [How to Update Ubuntu packages on Ubuntu 20.04 Focal Fossa...](#)

### 📁 Ubuntu 18.04

#### 🔖 18.04, development, ubuntu

- < [How to install GCC the C compiler on Ubuntu 18.04 Bionic Beaver Linux](#)
- > [How to install Spotify on Ubuntu 18.04 Bionic Beaver Linux](#)

## NEWSLETTER

Subscribe to Linux Career Newsletter to receive latest news, jobs, career advice and featured configuration tutorials.

SUBSCRIBE

## WRITE FOR US

LinuxConfig is looking for a technical writer(s) geared towards GNU/Linux and FLOSS technologies. Your articles will feature various GNU/Linux configuration tutorials and FLOSS technologies used in combination with GNU/Linux operating system.

When writing your articles you will be expected to be able to keep up with a technological advancement regarding the above mentioned technical area of expertise. You will work independently and be able to produce at minimum 2 technical articles a month.

APPLY NOW

## TAGS

18.04 administration [apache](#) [applications](#) [backup](#) [bash](#) [beginner](#) [browser](#) [centos](#)  
[centos8](#) [commands](#) [database](#) [debian](#) [desktop](#) [development](#) [docker](#) [fedora](#)  
[filesystem](#) [firewall](#) [gaming](#) [gnome](#) [Hardware](#) [installation](#) [java](#) [kali](#) [manjaro](#) [multimedia](#)

[networking](#) [nvidia](#) [programming](#) [python](#) [redhat](#) [rhel8](#) [scripting](#) [security](#) [server](#) [ssh](#)

[storage](#) [terminal](#) [ubuntu](#) [ubuntu 20.04](#) [video](#) [virtualization](#) [webapp](#) [webserver](#)

ABOUT US

## FEATURED TUTORIALS

VIM tutorial for beginners

How to install the NVIDIA drivers on Ubuntu 20.04 Focal Fossa Linux

Bash Scripting Tutorial for Beginners

How to check CentOS version

How to find my IP address on Ubuntu 20.04 Focal Fossa Linux

Ubuntu 20.04 Remote Desktop Access from Windows 10

Howto mount USB drive in Linux

How to install missing ifconfig command on Debian Linux

AMD Radeon Ubuntu 20.04 Driver Installation

Ubuntu Static IP configuration

How to use bash array in a shell script

Linux IP forwarding – How to Disable/Enable

How to install Tweak Tool on Ubuntu 20.04 LTS Focal Fossa Linux

How to enable/disable firewall on Ubuntu 18.04 Bionic Beaver Linux

Netplan static IP on Ubuntu configuration

How to change from default to alternative Python version on Debian Linux

Set Kali root password and enable root login

How to Install Adobe Acrobat Reader on Ubuntu 20.04 Focal Fossa Linux

How to install the NVIDIA drivers on Ubuntu 18.04 Bionic Beaver Linux

How to check NVIDIA driver version on your Linux system

Nvidia RTX 3080 Ethereum Hashrate and Mining Overclock settings on HiveOS Linux

## LATEST TUTORIALS

[How to install Flatpak on OpenSuse](#)

[How to List all flatpak repositories](#)

[How to update Flatpak application](#)

[Snapd unrecognized service: Solution](#)

[How often do you have to reboot your Linux server?](#)

[How to manage power profiles over D-Bus with power-profiles-daemon on Linux](#)

[How to mount a remote filesystem over SSH with sshfs](#)

[How to install Signal on Linux](#)

[How to extend the Thunar file manager with custom actions](#)

[How to Install etcd on Ubuntu](#)

[How to retrieve hardware information with dmidecode on Linux](#)

[How to install Ubuntu on USB Stick](#)

[OpenLiteSpeed vs Nginx](#)

[OpenLiteSpeed as reverse proxy](#)

[OpenLiteSpeed htaccess setup](#)

[FreeBSD vs GNU/Linux: What's the difference](#)

[Ubuntu server tutorial for beginners](#)

[Basic Linux Commands](#)

[How to make a bootable USB from an ISO in Linux](#)

[Best Ubuntu backup software](#)

© 2023 TOSID Group Pty Ltd - [LinuxConfig.org](https://linuxconfig.org)