



1 The procedure to install Advance C++ on Ubuntu Linux OS

1. To follow the installation procedure, you need to be connected to the internet.
2. You must have **Synaptic Package Manager** installed on your machine.
3. If not installed, please install **Synaptic Package Manager** using **Ubuntu Software Center**.

1.1 The procedure to install Advance C++

1. On Ubuntu 10.04 - Click on **System >> Administration >> Synaptic Package Manager**.
2. On Ubuntu 11.04 and higher,
 - (a) Press the **Window** key on your keyboard to open **DashHome**.
 - (b) Type **Synaptic Package Manager**.
 - (c) Click on the **Synaptic Package Manager** option.
3. Enter your password.
4. Click on **OK**.
5. In the search box type **g++**.
6. Click on the **g++** check box and click on **Mark for Installation**.
7. Click on **Mark**.
8. Finally, click on **Apply**.
9. Again, click **Apply** for installation.
10. The installation will take a few minutes depending on your internet speed.

1.2 The procedure to install Advance C++ via Terminal

1. Open the terminal by pressing **Ctrl + Alt + T** keys together.
2. Now in the terminal type **sudo apt-get install g++** and hit **Enter**.
3. Enter the system password if required.
4. It will display how much have to download from internet and how much disk space will occupy.
5. Press **y** to confirm this.
6. This will install Advance C++.

1.3 The procedure to check Advance C++ installation

1. Open the terminal.
2. Now in the terminal type **g++ -v** and hit **Enter**.
3. This will display the installed **gcc version version-number <gcc>**.

2 The procedure to install MinGW Compiler for Advance C++ on Windows OS

1. To follow the installation procedure, you need to be connected to the internet.
2. Go to website <http://sourceforge.net/projects/mingw/files/Installer/>
3. Please locate the executable file `mingw-get-setup.exe`
4. Double-click the downloaded file to run it.
5. Follow all the instructions to install MinGW.
6. Once the installation is completed successfully, you can open MinGW.
7. Next, we need to set the path for the System Variables.
8. Right-click on My Computer and click on Properties.
9. Then click on the Advanced tab or Advanced System Settings link.
10. Click on Environment Variables.
11. Then under System Variables select the Path.
12. Double-click on the Path.
13. This will open a dialog box to edit the System Variable.
14. In Variable value, type the location where the bin file is present.
For example: `C:/MinGW/bin`
15. Now, open the command prompt and type `gcc -v`
16. This will display the version no. of the gcc installed.
17. In this case, it will display `gcc version 4.6.2 <gcc>`.
18. However, the version of gcc / g++ may possibly vary.
19. This shows that, the installation is successfully done.