

```
After this operation, 59.3 MB of additional disk space will be used.
      Get:1 http://archive.ubuntu.com/ubuntu bionic/universe amd64 fluidr3mono-gm-soundfont all 2.315-4 [18.7 MB]
      Get:2 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 libibus-1.0-5 amd64 1.5.17-3ubuntu5.3 [133 kB]
      Get:3 <a href="http://archive.ubuntu.com/ubuntu">http://archive.ubuntu.com/ubuntu</a> bionic-updates/main amd64 gir1.2-ibus-1.0 amd64 1.5.17-3ubuntu5.3 [66.5 kB]
[ ] !sudo apt-get install -y \
           libgstreamer1.0 \
           gstreamer1.0-plugins-base \
           gstreamer1.0-plugins-good
      Reading package lists... Done
      Building dependency tree
Reading state information... Done
      Note, selecting 'libgstreamer1.0-dev' for regex 'libgstreamer1.0'
      Note, selecting libgstreamer1.0-0-dbg for regex 'libgstreamer1.0'
Note, selecting 'libgstreamer1.0-0' for regex 'libgstreamer1.0'
      The following package was automatically installed and is no longer required:
        libn vidia - common - 460
      Use 'sudo apt autoremove' to remove it.
      The following additional packages will be installed:
         autoconf automake autopoint autotools-dev debhelper dh-autoreconf
         dh-strip-nondeterminism file gettext gettext-base gir1.2-gstreamer-1.0
         gstreamer1.0-x intltool-debian libaa1 libarchive-cpio-perl
         libarchive-zip-perl libcap2-bin libcdparanoia0 libdv4
         libfile-stripnondeterminism-perl libgpm2 libgstreamer-plugins-base1.0-0
         libgstreamer-plugins-good1.0-0 libmagic-mgc libmagic1 libmail-sendmail-perl
         liborc-0.4-0 libpam-cap libshout3 libsigsegv2 libsys-hostname-long-perl
         libtag1v5 libtag1v5-vanilla libtimedate-perl libtool libv4l-0 libv4lconvert0
         libvisual-0.4-0 m4 po-debconf
      Suggested packages:
         autoconf-archive gnu-standards autoconf-doc dh-make dwz gettext-doc
         libasprintf-dev libgettextpo-dev gvfs libdv-bin oss-compat gpm libvisual-0.4-plugins gstreamer1.0-tools gstreamer1.0-doc libtool-doc
         gcj-jdk m4-doc libmail-box-perl
      The following NEW packages will be installed:
         autoconf automake autopoint autotools-dev debhelper dh-autoreconf
         dh-strip-nondeterminism file gettext gettext-base gir1.2-gstreamer-1.0
         gstreamer1.0-plugins-base gstreamer1.0-plugins-good gstreamer1.0-x
         intltool-debian libaa1 libarchive-cpio-perl libarchive-zip-perl libcap2-bin libcdparanoia0 libdv4 libfile-stripnondeterminism-perl libgpm2
         libgstreamer-plugins-base1.0-0 libgstreamer-plugins-good1.0-0
         libgstreamer1.0-0 libgstreamer1.0-0-dbg libgstreamer1.0-dev libmagic-mgc
libmagic1 libmail-sendmail-perl liborc-0.4-0 libpam-cap libshout3
libsigsegv2 libsys-hostname-long-perl libtag1v5 libtag1v5-vanilla
         libtimedate-perl libtool libv4l-0 libv4lconvert0 libvisual-0.4-0 m4
         po-debconf
      0 upgraded, 45 newly installed, 0 to remove and 34 not upgraded.
      Need to get 12.8 MB of archives.
      After this operation, 50.7 MB of additional disk space will be used.
      Get:1 http://archive.ubuntu.com/ubuntu blonic-updates/maln amd64 llbmagic-mgc amd64 1:5.32-2ubuntu0.4 [184 kB]
      Get:2 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 libmagic1 amd64 1:5.32-2ubuntu0.4 [68.6 kB]
      Get:3 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 file amd64 1:5.32-2ubuntu0.4 [22.1 kB]
      Get:4 <a href="http://archive.ubuntu.com/ubuntu">http://archive.ubuntu.com/ubuntu</a> bionic/main amd64 libcap2-bin amd64 1:2.25-1.2 [20.6 kB]
      Get:5 http://archive.ubuntu.com/ubuntu bionic/main amd64 libpam-cap amd64 1:2.25-1.2 [7,268 B]
      Get:6 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 gettext-base amd64 0.19.8.1-6ubuntu0.3 [113 kB]
     Get:7 http://archive.ubuntu.com/ubuntu bionic/main amd64 libsigsegv2 amd64 2.12-1 [14.7 kB] Get:8 http://archive.ubuntu.com/ubuntu bionic/main amd64 m4 amd64 1.4.18-1 [197 kB] Get:9 http://archive.ubuntu.com/ubuntu bionic/main amd64 autoconf all 2.69-11 [322 kB]
     Get:10 http://archive.ubuntu.com/ubuntu bionic/main amd64 autotools-dev all 20180224.1 [39.6 kB]
Get:11 http://archive.ubuntu.com/ubuntu bionic/main amd64 automake all 1:1.15.1-3ubuntu2 [509 kB]
Get:12 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 autopoint all 0.19.8.1-6ubuntu0.3 [426 kB]
      Get:13 http://archive.ubuntu.com/ubuntu bionic/main amd64 libtool all 2.4.6-2 [194 kB]
     Get:14 http://archive.ubuntu.com/ubuntu bionic/main amd64 dh-autoreconf all 17 [15.8 kB]
Get:15 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 libarchive-zip-perl all 1.60-1ubuntu0.1 [84.6 kB]
      Get:16 http://archive.ubuntu.com/ubuntu bionic/main amd64 libfile-stripnondeterminism-perl all 0.040-1.1~build1 [13.8 kB]
     Get:17 http://archive.ubuntu.com/ubuntu bionic/main amd64 libtimedate-perl all 2.3000-2 [37.5 kB]
Get:18 http://archive.ubuntu.com/ubuntu bionic/main amd64 dh-strip-nondeterminism all 0.040-1.1~build1 [5,208 B]
      Get:19 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 gettext amd64 0.19.8.1-6ubuntu0.3 [1,293 kB]
[ ] !sudo apt-get install build-essential libsqlite3-dev sqlite3 bzip2 libbz2-dev zlibig-dev libssl-dev openssl libgdbm-dev libgdbm-compat-dev liblzma-dev libra
```

python3-xdg x11proto-randr-dev x11proto-xinerama-dev 0 upgraded, 55 newly installed, 0 to remove and 34 not upgraded.

Need to get 26.1 MB of archives.

Reading package lists... Done

openssl

Building dependency tree Reading state information... Done build-essential is already the newest version (12.4ubuntu1). libffi6 is already the newest version (3.2.1-8). liblzma-dev is already the newest version (5.2.2-1.3). liblzma-dev set to manually installed. libreadline-dev is already the newest version (7.0-3). libreadline-dev set to manually installed. Tibing-dev is already the newest version (1:1.2.11.dfsg-0ubuntu2). bzip2 is already the newest version (1.0.6-8.1ubuntu0.2). libbz2-dev is already the newest version (1.0.6-8.1ubuntu0.2). libbz2-dev set to manually installed. libsqlite3-dev is already the newest version (3.22.0-1ubuntu0.4). libsqlite3-dev set to manually installed. libss1-dev is already the newest version (1.1.1-1ubuntu2.1 \sim 18.04.9). uuid-dev is already the newest version (2.31.1-0.4ubuntu3.7). uuid-dev set to manually installed. The following package was automatically installed and is no longer required: libnvidia-common-460 Use 'sudo apt autoremove' to remove it. Suggested packages: ncurses-doc sqlite3-doc The following NEW packages will be installed: libffi-dev libgdbm-compat-dev libgdbm-dev libncursesw5-dev sqlite3 The following packages will be upgraded:

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1 upgraded, 5 newly installed, 0 to remove and 33 not upgraded.
      Need to get 1,804 kB of archives.
      After this operation, 4,211 kB of additional disk space will be used.
     Get:1 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 openssl amd64 1.1.1-1ubuntu2.1~18.04.9 [614 kB] Get:2 http://archive.ubuntu.com/ubuntu bionic/main amd64 libgdbm-compat-dev amd64 1.14.1-6 [3,360 B]
      Get:3 http://archive.ubuntu.com/ubuntu bionic/main amd64 libgdbm-dev amd64 1.14.1-6 [79.3 kB]
     Get:4 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 libncursesw5-dev amd64 6.1-1ubuntu1.18.04 [199 kB] Get:5 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 sqlite3 amd64 3.22.0-1ubuntu0.4 [752 kB]
      Get:6 http://archive.ubuntu.com/ubuntu bionic/main amd64 libffi-dev amd64 3.2.1-8 [156 kB]
      Fetched 1,804 kB in 1s (1,761 kB/s)
      debconf: unable to initialize frontend: Dialog debconf: (No usable dialog-like program is installed, so the dialog based frontend cannot be used. at /usr/share/perl5/Debconf/FrontEnd/Dialog.pm line 76,
      debconf: falling back to frontend: Readline
      debconf: unable to initialize frontend: Readline
      debconf: (This frontend requires a controlling tty.) debconf: falling back to frontend: Teletype
      dpkg-preconfigure: unable to re-open stdin:
      (Reading database ... 164156 files and directories currently installed.)
Preparing to unpack .../0-openssl_1.1.1-1ubuntu2.1~18.04.9_amd64.deb ...
      Unpacking openssl (1.1.1-1ubuntu2.1~18.04.9) over (1.1.1-1ubuntu2.1~18.04.6) ...
      Selecting previously unselected package libgdbm-compat-dev. Preparing to unpack .../1-libgdbm-compat-dev_1.14.1-6_amd64.deb ...
      Unpacking libgdbm-compat-dev (1.14.1-6)
      Selecting previously unselected package libgdbm-dev:amd64.
      Preparing to unpack .../2-libgdbm-dev_1.14.1-6_amd64.deb ...
Unpacking libgdbm-dev:amd64 (1.14.1-6) ...
      Selecting previously unselected package libncursesw5-dev:amd64.
      Preparing to unpack .../3-libncursesw5-dev_6.1-1ubuntu1.18.04_amd64.deb ...
Unpacking libncursesw5-dev:amd64 (6.1-1ubuntu1.18.04) ...
      Selecting previously unselected package sqlite3.
      Preparing to unpack .../4-sqlite3_3.22.0-1ubuntu0.4_amd64.deb ...
[ ] !sudo apt-get install libffi-dev
      Reading package lists... Done
      Building dependency tree
      Reading state information... Done
      libffi-dev is already the newest version (3.2.1-8).
      The following package was automatically installed and is no longer required:
        libn vidia - common - 460
      Use 'sudo apt autoremove' to remove it.
      0 upgraded, 0 newly installed, 0 to remove and 33 not upgraded.
[ ] !buildozer init
      Buildozer is running as root!
      This is not recommended, and may lead to problems later.
      Are you sure you want to continue [y/n]? y
      File buildozer.spec created, ready to customize!
[ ] !buildozer -v android debug
      # Check configuration tokens
      Buildozer is running as root!
      This is not recommended, and may lead to problems later.
      Are you sure you want to continue [y/n]? y
      # Ensure build layout
      # Create directory /root/.buildozer
      # Create directory /root/.buildozer/cache
      # Create directory /content/.buildozer
      # Create directory /content/bin
      # Create directory /content/.buildozer/applibs
# Create directory /root/.buildozer/android/platform/android/platform
        Create directory /content/.buildozer/android/platform
      # Create directory /content/.buildozer/android/app
        Check configuration tokens
        Read available permissions from api-versions.xml
      ≱ Preparing build
      # Check requirements for android
      # Run 'dpkg --version'
      # Cwd None
      Debian 'dpkg' package management program version 1.19.0.5 (amd64).
This is free software; see the GNU General Public License version 2 or
      later for copying conditions. There is NO warranty.
     # Search for Git (git)
# -> found at /usr/bin/git
# Search for Cython (cython)
         -> found at /usr/local/bin/cython
      # Search for Java compiler (javac)
# -> found at /usr/lib/jvm/java-11-openjdk-amd64/bin/javac
        Search for Java keytool (keytool)
      # -> found at /usr/lib/jvm/java-11-openjdk-amd64/bin/keytool
      # Install platform
# Run 'git clone -b master --single-branch https://github.com/kivy/python-for-android.git python-for-android
      ≇ Cwd /content/.buildozer/android/platform
      Cloning into 'python-for-android'...

Run '/usr/bin/python3 -m pip install -q --user \'appdirs\' \'colorama>=0.3.3\' \'jinja2\' \'six\' \'enum34; python_version<"3.4"\' \'sh>=1.10; sys_platf
      ≉ Android ANT is missing, downloading
      # Downloading http://archive.apache.org/dist/ant/binaries/apache-ant-1.9.4-bin.tar.gz
        Run 'tar xzf apache-ant-1.9.4-bin.tar.gz'
      # Cwd /root/.buildozer/android/platform/apache-ant-1.9.4
       Apache ANT installation done.
Android SDK is missing, downloading
        \textbf{Downloading } \underline{\textbf{https://dl.google.com/android/repository/commandlinetools-linux-6514223\_latest.zip} \\
        Unpacking Android SDK
      Run 'unzip -q /root/.buildozer/android/platform/android-sdk/commandlinetools-linux-6514223 latest.zip
        Cwd /root/.buildozer/android/platform/android-sdk

    ♣ Android SDK tools base installation done.
    ♣ Recommended android's NDK version by p4a is: 19c
```