# QGIS Application - Bug report #18363
# Missing dependencies in Kubuntu 16.04 and KDE Neon

2018-03-06 10:57 PM - Carlos Cámara

| | | | |
|---|---|---|---|
| **Status:** | Open | | |
| **Priority:** | Normal | | |
| **Assignee:** | | | |
| **Category:** | Build/Install | | |
| **Affected QGIS version:** | 3.0.0 | **Regression?:** | No |
| **Operating System:** | Kubuntu 16.04 | **Easy fix?:** | No |
| **Pull Request or Patch supplied:** | | **Resolution:** | |
| **Crashes QGIS or corrupts data:** | | **Copied to github as #:** | 26253 |

**Description**

Hello,

I have tried to install QGIS in a fresh Kubuntu 16.04 and KDE Neon (which is also based on ubuntu 16.04) with no success, as I get the following error:

    sudo apt-get install qgis python-qgis qgis-plugin-grass
    Reading package lists... Done
    Building dependency tree
    Reading state information... Done
    Some packages could not be installed. This may mean that you have
    requested an impossible situation or if you are using the unstable
    distribution that some required packages have not yet been created
    or been moved out of Incoming.
    The following information may help to resolve the situation:

    The following packages have unmet dependencies:
     python-qgis : Depends: python3-pyqt5.qsci but it is not going to be installed
     qgis : Depends: qgis-providers (= 1:3.0.0+24xenial-ubuntugis) but it is not going to be installed
    E: Unable to correct problems, you have held broken packages.

I am currently using the following repos in a fresh environment (just installed kubuntu 16.04 and updated it, with no further software installed):

 - deb https://qgis.org/ubuntugis xenial main
 - ppa:ubuntugis/ubuntugis-unstable

Apparently other ubuntu non-KDE flavours are working fine with the same configuration.

**History**

**#1 - 2018-04-17 08:40 PM - Jason Paul Joines**

Same problem here.  I even tried the "build your own set of packages" option linked to at qgis.org/en/site/forusers/alldownloads.html#debian-ubuntu but still thwarted by unresolved dependencies.

**#2 - 2018-04-19 11:12 AM - Imre Samu**

on Ubuntu:18.04  qgis3[ debian-nightly + debian] - I have similar QT5 problem.

    The following packages have unmet dependencies:
     qgis : Depends: qgis-providers (= 1:3.0.1+28bionic) but it is not going to be installed


my docker log  repo: "http://qgis.org/debian bionic main"

    Sending build context to Docker daemon  102.4kB
    Step 1/13 : FROM ubuntu:bionic
     ---> 58c12a55082a
    Step 2/13 : ENV LANG C.UTF-8
     ---> Using cache
     ---> a0a13f792077
    Step 3/13 : RUN apt-get update && apt-get upgrade -y
     ---> Using cache
     ---> 8ba95d7b4c90
    Step 4/13 : RUN apt-get install -y gnupg apt-transport-https ca-certificates
     ---> Using cache
     ---> 92241e7a3e0f
    Step 5/13 : RUN gpg --keyserver keyserver.ubuntu.com --recv CAEB3DC3BDF7FB45
     ---> Using cache
     ---> 9a1ebb1e842e
    Step 6/13 : RUN gpg --export --armor CAEB3DC3BDF7FB45 | apt-key add -
     ---> Using cache
     ---> b5da1e0ac67b
    Step 7/13 : RUN echo "deb [trusted=yes] http://qgis.org/debian bionic main" >> /etc/apt/sources.list
     ---> Using cache
     ---> db5ebd1b8e4d
    Step 8/13 : RUN apt-get update && apt-get install -y qgis python-qgis qgis-provider-grass
     ---> Running in 428397311b9f
    Hit:1 http://security.ubuntu.com/ubuntu bionic-security InRelease
    Hit:2 http://archive.ubuntu.com/ubuntu bionic InRelease
    Get:3 http://qgis.org/debian bionic InRelease [3327 B]
    Hit:4 http://archive.ubuntu.com/ubuntu bionic-updates InRelease
    Hit:5 http://archive.ubuntu.com/ubuntu bionic-backports InRelease
    Get:6 http://qgis.org/debian bionic/main amd64 Packages [8897 B]
    Fetched 12.2 kB in 1s (13.2 kB/s)
    Reading package lists...
    Reading package lists...
    Building dependency tree...
    Reading state information...
    Some packages could not be installed. This may mean that you have
    requested an impossible situation or if you are using the unstable
    distribution that some required packages have not yet been created
    or been moved out of Incoming.
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Step 6/13 : RUN gpg --export --armor CAEB3DC3BDF7FB45 | apt-key add -

 ---> Using cache

 ---> b5da1e0ac67b

Step 7/13 : RUN echo "deb [trusted=yes] http://qgis.org/debian-nightly    bionic main" >> /etc/apt/sources.list

 ---> Running in 615d39c555cd

Removing intermediate container 615d39c555cd

 ---> c473a12b6924

Step 8/13 : RUN apt-get update && apt-get install -y qgis python-qgis qgis-provider-grass

 ---> Running in 75e7fdc47d68

Get:1 http://qgis.org/debian-nightly bionic InRelease [3327 B]

Get:2 http://archive.ubuntu.com/ubuntu bionic InRelease [235 kB]

Hit:3 http://security.ubuntu.com/ubuntu bionic-security InRelease

Get:4 http://qgis.org/debian-nightly bionic/main amd64 Packages [6336 B]

Hit:5 http://archive.ubuntu.com/ubuntu bionic-updates InRelease

Hit:6 http://archive.ubuntu.com/ubuntu bionic-backports InRelease

Get:7 http://archive.ubuntu.com/ubuntu bionic/universe Sources [11.5 MB]

Get:8 http://archive.ubuntu.com/ubuntu bionic/main amd64 Packages [1351 kB]

Get:9 http://archive.ubuntu.com/ubuntu bionic/universe amd64 Packages [11.3 MB]

Fetched 24.5 MB in 4s (6593 kB/s)

Reading package lists...

Reading package lists...

Building dependency tree...

Reading state information...

Some packages could not be installed. This may mean that you have

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distribution that some required packages have not yet been created

or been moved out of Incoming.

The following information may help to resolve the situation:


The following packages have unmet dependencies:

 qgis : Depends: qgis-providers (= 1:3.1.0+git20180417+11435ce+28bionic) but it is not going to be installed

E: Unable to correct problems, you have held broken packages.

**#3 - 2018-09-13 02:52 AM - Raf Neqq**

I tried to install qgis versions **2.8.6**, **2.18.16** and **3.2.2** on Linux Mint 18.3 (KDE flavour) which is also based on Ubuntu 16.04 (Xenial). Unfortunately with no success. There is some dependencies mess.

I was using repositories:
deb https://qgis.org/ubuntu xenial main
or
deb https://qgis.org/ubuntu-ltr xenial main
or
deb https://qgis.org/ubuntugis xenial main
or
deb https://qgis.org/ubuntugis-ltr xenial main

... and also default xenial universe repository.

**In case of 2.8.6 and 2.18.16 there was dependency error:**

qgis -> python-qgis -> python-qscintilla2 -> **sip-api-11.3**

**sip-api** required by python-qscintilla2 is a virtual package which is provided from **python-sip** package. Unfortunately for Ubuntu 16.04 the only version of python-sip that is available (4.17+dfsg-1build1) provides only the following versions of spi-api:
sip-api-11.0
sip-api-11.1
sip-api-11.2

The sip-api.11.3 is provided in python-sip (4.18.1+dfsg-2build1) or higher versions, so this means you have to use Ubuntu artful (17.10) or bionic (18.04)
https://packages.ubuntu.com/artful/sip-api-11.3

In xenial repositories there is only python-sip (4.17+dfsg-1build1): https://packages.ubuntu.com/xenial/python-sip

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**For qgis 3.2.2** there was more dependencies errors which could not be installed

gdal-abi-2-2-2
libgdal20 (>= 1.8.0)
libqgis-analysis3.2.2
libqgis-app3.2.2
libqgis-core3.2.2
libqgis-gui3.2.2
python-qgis (= 1:3.2.2+24xenial-ubuntugis)
qgis-providers (= 1:3.2.2+24xenial-ubuntugis)

For version 2.18.32 the list was similar (only different versions of packages).
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There is also similar (I think) bug #17361.


**#4 - 2018-09-13 03:21 AM - Raf Neqq**

Ok I found the solution for **qgis 2.8.x** and **2.18.x**. The problem was **python-qscintilla2** version 2.9.2+dfsg-3build1~~xenialoverlay1~1 from
http://ppa.launchpad.net/kubuntu-ppa/backports/ubuntu which requires missing sip-api-11.3.

When I installed **python-qscintilla2 version 2.9.1+dfsg-4build1** from default xenial universe repository the installation went fine and qgis is working (for now) without problems.