

## QGIS Application - Bug report #10849

### Not importing directory '/usr/lib/python2.7/site-packages/mpl\_toolkits'

2014-07-08 09:42 AM - Donovan Cameron

<b>Status:</b>	Closed	
<b>Priority:</b>	Normal	
<b>Assignee:</b>		
<b>Category:</b>	Python plugins	
<b>Affected QGIS version:</b>	2.4.0	<b>Regression?:</b> No
<b>Operating System:</b>		<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>	No	<b>Resolution:</b>
<b>Crashes QGIS or corrupts data:</b>	No	<b>Copied to github as #:</b> 19221
<b>Description</b>		
<p>I'm seeing a python warning in the Log Messages panel when starting QGIS for Linux, but it starts fine so not sure what's affected by it:</p> <p>@warning:/usr/lib/python2.7/pkgutil.py:186: ImportWarning: Not importing directory '/usr/lib/python2.7/site-packages/mpl_toolkits': missing <i>init.py</i> file, filename, etc = imp.find_module(subname, path)</p> <p>traceback: File "&lt;string&gt;", line 1, in &lt;module&gt; File "/usr/share/qgis/python/qgis/utils.py", line 204, in startPlugin   plugins[packageName] = package.classFactory(iface) File "/usr/share/qgis/python/plugins/MetaSearch/__init__.py", line 32, in classFactory   from MetaSearch.plugin import MetaSearchPlugin File "/usr/share/qgis/python/qgis/utils.py", line 454, in <i>import</i>   mod = <i>_builtin_import</i>(name, globals, locals, fromlist, level) File "/usr/share/qgis/python/plugins/MetaSearch/plugin.py", line 33, in &lt;module&gt;   from MetaSearch.dialogs.maindialog import MetaSearchDialog File "/usr/share/qgis/python/qgis/utils.py", line 454, in <i>_import</i>   mod = <i>_builtin_import</i>(name, globals, locals, fromlist, level) File "/usr/share/qgis/python/plugins/MetaSearch/dialogs/maindialog.py", line 45, in &lt;module&gt;   from owslib.csw import CatalogueServiceWeb File "/usr/share/qgis/python/qgis/utils.py", line 454, in <i>_import</i>   mod = <i>_builtin_import</i>(name, globals, locals, fromlist, level) File "/usr/share/qgis/python/owslib/csw.py", line 18, in &lt;module&gt;   from owslib import fes File "/usr/share/qgis/python/qgis/utils.py", line 454, in <i>_import</i>   mod = <i>_builtin_import</i>(name, globals, locals, fromlist, level) File "/usr/share/qgis/python/owslib/fes.py", line 19, in &lt;module&gt;   from owslib import util File "/usr/share/qgis/python/qgis/utils.py", line 454, in <i>_import</i>   mod = <i>_builtin_import</i>(name, globals, locals, fromlist, level) File "/usr/share/qgis/python/owslib/util.py", line 13, in &lt;module&gt;   import pytz File "/usr/share/qgis/python/qgis/utils.py", line 454, in <i>_import</i>   mod = <i>_builtin_import</i>(name, globals, locals, fromlist, level) File "/usr/share/qgis/python/pytz/_init__.py", line 29, in &lt;module&gt;   from pkg_resources import resource_stream File "/usr/share/qgis/python/qgis/utils.py", line 454, in <i>_import</i>   mod = <i>_builtin_import</i>(name, globals, locals, fromlist, level) File "/usr/lib/python2.7/site-packages/pkg_resources.py", line 2888, in &lt;module&gt;</p>		

```
add_activation_listener(lambda dist: dist.activate())
File "/usr/lib/python2.7/site-packages/pkg_resources.py", line 758, in subscribe
    callback(dist)
File "/usr/lib/python2.7/site-packages/pkg_resources.py", line 2888, in <lambda>
    add_activation_listener(lambda dist: dist.activate())
File "/usr/lib/python2.7/site-packages/pkg_resources.py", line 2427, in activate
    declare_namespace(pkg)
File "/usr/lib/python2.7/site-packages/pkg_resources.py", line 2009, in declare_namespace
    _handle_ns(packageName, path_item)
File "/usr/lib/python2.7/site-packages/pkg_resources.py", line 1961, in _handle_ns
    loader = importer.find_module(packageName)@
```

**I've got python2-matplotlib 1.3.1 installed.**

**But that directory exists and there isn't an `__init__.py` file,**

```
% ls /usr/lib/python2.7/site-packages/mpl_toolkits/
```

```
axes_grid axes_grid1 axisartist exceltools.py exceltools.pyc exceltools.pyo gtktools.py gtktools.pyc gtktools.pyo mplot3d
```

**I did find `__init__.py` in the following places,**

```
% find /usr/lib/python2.7/site-packages/mpl_toolkits -type f -name '*init*.py'
```

```
/usr/lib/python2.7/site-packages/mpl_toolkits/axisartist/__init__.py
```

```
/usr/lib/python2.7/site-packages/mpl_toolkits/mplot3d/__init__.py
```

```
/usr/lib/python2.7/site-packages/mpl_toolkits/axes_grid/__init__.py
```

```
/usr/lib/python2.7/site-packages/mpl_toolkits/axes_grid1/__init__.py
```

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## History

### #1 - 2014-07-10 04:11 PM - Donovan Cameron

I was able to fix by copying the needed file from:

[https://github.com/matplotlib/matplotlib/blob/v1.3.x/lib/mpl\\_toolkits/\\_init\\_.py](https://github.com/matplotlib/matplotlib/blob/v1.3.x/lib/mpl_toolkits/_init_.py)

try:

```
__import__('pkg_resources').declare_namespace(__name__)
except ImportError:
    pass # must not have setuptools
```

So I'm wondering if this is a packaging issue for Arch Linux (some other distros are reporting it as well). I'll inquire with the package maintainer.

### #2 - 2014-07-10 09:55 PM - Donovan Cameron

- Status changed from Open to Closed

Yup, looks like it's an upstream issue (fixed in matplotlib master for now). Closed for invalid =)