

## 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>	<b>Resolution:</b>
<b>Crashes QGIS or corrupts data:</b>	<b>Copied to github as #:</b> 19221

#### Description

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:

```
@warning:/usr/lib/python2.7/pkgutil.py:186: ImportWarning: Not importing directory '/usr/lib/python2.7/site-packages/mpl_toolkits': missing init.py file, filename, etc = imp.find_module(subname, path)
```

```
Traceback: File "<string>", line 1, in <module>
```

```
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 import
```

```
    mod = _builtin_import(name, globals, locals, fromlist, level)
```

```
File "/usr/share/qgis/python/plugins/MetaSearch/plugin.py", line 33, in <module>
```

```
    from MetaSearch.dialogs.maindialog import MetaSearchDialog
```

```
File "/usr/share/qgis/python/qgis/utils.py", line 454, in import
```

```
    mod = _builtin_import(name, globals, locals, fromlist, level)
```

```
File "/usr/share/qgis/python/plugins/MetaSearch/dialogs/maindialog.py", line 45, in <module>
```

```
    from owslib.csw import CatalogueServiceWeb
```

```
File "/usr/share/qgis/python/qgis/utils.py", line 454, in import
```

```
    mod = _builtin_import(name, globals, locals, fromlist, level)
```

```
File "/usr/share/qgis/python/owslib/csw.py", line 18, in <module>
```

```
    from owslib import fes
```

```
File "/usr/share/qgis/python/qgis/utils.py", line 454, in import
```

```
    mod = _builtin_import(name, globals, locals, fromlist, level)
```

```
File "/usr/share/qgis/python/owslib/fes.py", line 19, in <module>
```

```
    from owslib import util
```

```
File "/usr/share/qgis/python/qgis/utils.py", line 454, in import
```

```
    mod = _builtin_import(name, globals, locals, fromlist, level)
```

```
File "/usr/share/qgis/python/owslib/util.py", line 13, in <module>
```

```
    import pytz
```

```
File "/usr/share/qgis/python/qgis/utils.py", line 454, in import
```

```
    mod = _builtin_import(name, globals, locals, fromlist, level)
```

```
File "/usr/share/qgis/python/pytz/_init__.py", line 29, in <module>
```

```
    from pkg_resources import resource_stream
```

```
File "/usr/share/qgis/python/qgis/utils.py", line 454, in import
```

```
    mod = _builtin_import(name, globals, locals, fromlist, level)
```

```
File "/usr/lib/python2.7/site-packages/pkg_resources.py", line 2888, in <module>
```

```
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
```

## 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 =)