Lookup Editor - Bug #2270

REST handlers fail when used with apps that copied old Lookup Editor code

06/15/2018 10:14 PM - Luke Murphey

Status:	Closed		**Start date:**	06/15/2018
Priority:	Normal		**Due date:**	
Assignee:	Luke Murphey		**% Done:**	100%
Category:			**Estimated time:**	0.00 hour
Target version:	3.0.4			

Description

Associated revisions

Revision 541 - 06/21/2018 02:51 AM - lukemurphey

Fixing issue where REST handlers wouldn't work with apps that had copied code

Reference #2270

History

#1 - 06/19/2018 01:33 AM - Luke Murphey

The error is;

ImportError: cannot import name LookupEditor

from /home/SW/splunk/etc/apps/lookup_editor/bin/lookup_backups_rest_handler.py

#2 - 06/19/2018 01:46 AM - Luke Murphey

Questions:

- What is the path that is used for resolving libraries?
  - See note, It does include
- Does a relative import work?
  - No, it is in the same path
- Do the hosts have the modules available?
  - Yes
- Does manually setting the sys.path to include the current directory work?
  - No
- Why does it not output any logs?
  - It does
- Could another app be including the lookup editor Python code? If so, would inserting the path first help?

Observations:

- The RHs are not starting, indicating: cannot import name LookupEditor
- The sys.path looks like it ought to work

References:

- https://stackoverflow.com/questions/67631/how-to-import-a-module-given-the-full-path

#3 - 06/19/2018 01:49 AM - Luke Murphey

Here is the sys.path on my mac:

- /Users/lmurphey/Splunk/711/lib/python2.7/site-packages/splunk/appserver/mrsparkle
- /Users/lmurphey/Splunk/711/lib/python2.7/site-packages/splunk/persistconn
- /Users/lmurphey/Splunk/711/lib/python2.7/site-packages
- /Users/lmurphey/stash/app-ess/test/common
- /Users/lmurphey/stash/common/test/ui
- /Users/lmurphey/stash/common/test
- /Users/lmurphey/Splunk/sp/lib/python2.7/site-packages
- /Users/lmurphey/Splunk/711/lib/python27.zip
- /Users/lmurphey/Splunk/711/lib/python2.7
- /Users/lmurphey/Splunk/711/lib/python2.7/plat-darwin
- /Users/lmurphey/Splunk/711/lib/python2.7/plat-mac
- /Users/lmurphey/Splunk/711/lib/python2.7/plat-mac/lib-scriptpackages
- /Users/lmurphey/Splunk/711/lib/python2.7/lib-tk
- /Users/lmurphey/Splunk/711/lib/python2.7/lib-old
- /Users/lmurphey/Splunk/711/lib/python2.7/lib-dynload
- /Users/lmurphey/Splunk/711/etc/apps/alert_logevent/bin
- /Users/lmurphey/Splunk/711/etc/apps/alert_webhook/bin
- /Users/lmurphey/Splunk/711/etc/apps/introspection_generator_addon/bin
- /Users/lmurphey/Splunk/711/etc/apps/lookup_editor/bin
- /Users/lmurphey/Splunk/711/etc/apps/search/bin
- /Users/lmurphey/Splunk/711/etc/apps/splunk_archiver/bin
- /Users/lmurphey/Splunk/711/etc/apps/splunk_instrumentation/bin
- /Users/lmurphey/Splunk/711/etc/apps/splunk_monitoring_console/bin
- /Users/lmurphey/Splunk/711/etc/system/bin

#4 - 06/19/2018 02:13 AM - Luke Murphey

Can set the import path to the script directory via:

```
import sys
import os
sys.path.append(os.path.dirname(os.path.abspath(__file__)))
```

#5 - 06/20/2018 04:04 PM - Luke Murphey

I tried uploading a version of the app that does two things:

1. Try using the path set from the script directory
2. Outputs sys.path before starting

The app still doesn't work.

#7 - 06/20/2018 04:35 PM - Luke Murphey

Can dump apps with:

```
| rest /services/apps/local | table title label description
```

#8 - 06/21/2018 02:54 AM - Luke Murphey

- Status changed from New to Closed

- % Done changed from 0 to 100

#9 - 06/21/2018 02:55 AM - Luke Murphey

- Subject changed from Lookups cannot be loaded to REST handlers fail when used with apps that copied old Lookup Editor code