

Arvados - Bug #18336

New httplib2 version 0.20.2 gets pulled from PySDK and causes issues

11/04/2021 04:14 PM - Lucas Di Pentima

| | | | |
|------------------------|-------------------|------------------------|------------|
| Status: | Resolved | Start date: | 11/17/2021 |
| Priority: | Normal | Due date: | |
| Assigned To: | Lucas Di Pentima | % Done: | 100% |
| Category: | SDKs | Estimated time: | 0.00 hour |
| Target version: | 2021-11-24 sprint | | |

Description

The httplib2 project released a new version On Nov 2nd (<https://pypi.org/project/httplib2/#history>) and it broke our testing pipeline on the install phase:

```
=====  
install env  
Requirement already satisfied: setuptools>=18.5 in /home/lucas/.cache/arvados-build/VENV3DIR/lib/python3.7/site-packages (40.8.0)  
Requirement already satisfied: pip>=7 in /home/lucas/.cache/arvados-build/VENV3DIR/lib/python3.7/site-packages (18.1)  
Requirement already satisfied: wheel in /home/lucas/.cache/arvados-build/VENV3DIR/lib/python3.7/site-packages (0.37.0)  
Requirement already satisfied: PyYAML in /home/lucas/.cache/arvados-build/VENV3DIR/lib/python3.7/site-packages (6.0)  
Requirement already satisfied: httplib2 in /home/lucas/.cache/arvados-build/VENV3DIR/lib/python3.7/site-packages (0.20.2)  
Requirement already satisfied: pyparsing!=3.0.0,!=3.0.1,!=3.0.2,!=3.0.3,<4,>=2.4.2; python_version > "3.0" in /home/lucas/.cache/arvados-build/VENV3DIR/lib/python3.7/site-packages (from httplib2) (3.0.4)  
...  
Installed /home/lucas/.cache/arvados-build/VENV3DIR/lib/python3.7/site-packages/arvados_python_client-2.3.0.dev20211013202728-py3.7.egg  
Processing dependencies for arvados-python-client==2.3.0.dev20211013202728  
error: pyparsing 3.0.4 is installed but pyparsing<3,>=2.0.2 is required by {'packaging'}  
Leaving behind temp dirs in /home/lucas/.cache/arvados-build  
Fatal: installing PyYAML and sdk/python failed (encountered in install_env at /home/lucas/arvados/build/run-tests.sh line 667)
```

This problem sometimes isn't visible, mainly when the temp directory already exists from previous runs. The way I was able to work around it is by setting an upper limit version on sdk/python/setup.py like this:

```
diff --git a/sdk/python/setup.py b/sdk/python/setup.py  
index 8d637303b..f82d44ab6 100644  
--- a/sdk/python/setup.py  
+++ b/sdk/python/setup.py  
@@ -50,7 +50,7 @@ setup(name='arvados-python-client',  
     'future',  
     'google-api-python-client >=1.6.2, <2',  
     'google-auth<2',  
-     'httplib2 >=0.9.2',  
+     'httplib2 >=0.9.2, <0.20.2',  
     'pycurl >=7.19.5.1',  
     'ruamel.yaml >=0.15.54, <0.17.11',  
     'setuptools',
```

But let's dig a little deeper to confirm this is a proper solution.

Subtasks:

Task # 18353: Review 18336-httplib2-pysdk-issues

Resolved

Associated revisions

Revision 16b8b120 - 11/17/2021 03:16 PM - Lucas Di Pentima

Merge branch '18336-httplib2-pysdk-issues' into main. Closes #18336

Arvados-DCO-1.1-Signed-off-by: Lucas Di Pentima <lucas.dipentima@curii.com>

Revision 59240220 - 11/17/2021 07:47 PM - Lucas Di Pentima

Merge branch '18336-httplib2-pysdk-issues' into main. Closes #18336

Arvados-DCO-1.1-Signed-off-by: Lucas Di Pentima <lucas.dipentima@curii.com>

History

#1 - 11/10/2021 04:18 PM - Lucas Di Pentima

- Assigned To set to Lucas Di Pentima

#2 - 11/16/2021 05:29 PM - Lucas Di Pentima

- Status changed from New to In Progress

#3 - 11/16/2021 07:14 PM - Lucas Di Pentima

Following the dependency tree, it seems that the issue is caused by the following:

- PySDK requires httplib2 > 0.9.8
 - httplib2 0.20.2 requires pyparsing!=3.0.0,!3.0.1,!3.0.2,!3.0.3,<4,>=2.4.2; python_version > "3.0" => **installs pyparsing 3.0.4**
- PySDK requires google-api-python-client >=1.6.2, <2
 - google-api-python-client 1.12.8 requires google-api-core<2dev,>=1.21.0
 - google-api-core 1.31.4 requires packaging>=14.3
 - packaging-21.2 requires pyparsing<3,>=2.0.2 => **ERROR**

We've already updated google-api-python-client's requirement on [#18002](#), and I'm not sure if we can further up the version limit without major changes.

#4 - 11/17/2021 02:51 PM - Lucas Di Pentima

Updates at [9d74b115e](#) - branch 18336-httplib2-pysdk-issues

Test run: <https://ci.arvados.org/job/developer-run-tests/2803/>

- Pins httplib2 upper version limit on PySDK

#5 - 11/17/2021 04:52 PM - Lucas Di Pentima

- Status changed from In Progress to Resolved

Applied in changeset arvados-private:commit:arvados|16b8b12040790937b5efa8fbb21522d5f31475b0.