Hey Maintainer (and user)
Exercise your empathy
Airflow Survey!

About me

Jarek Potiuk

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Airflow Committer & PMC member
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What’s empathy?
Empathy by Merriam-Webster

the action of understanding, being aware of, being sensitive to, and vicariously experiencing the feelings, thoughts, and experience of another of either the past or present without having the feelings, thoughts, and experience fully communicated in an objectively explicit manner
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also : the capacity for this
Why we have to talk about it?

- Some people are more naturally empathetic than others
- Empathy can be taught
- You studied a lot about programming, right?
- When is the last time you took empathy course?
Apache Airflow community
Who “we” are?

Committer
(Maintainer)

Contributor

User
What’s the journey?

Committer (Maintainer) → Contributor → User
This talk is not about Contributor
Session
Adding an executor to Airflow: A contributor overflow exception

Vanessa Sochat
Research Software Engineer
@ Stanford University
Research Computing Center

Airflow Summit 2020
@AirflowSummit /Airflow-Summit
Join from anywhere.
https://airflowsummit.org

https://youtu.be/RKEmAshcreE
Adding An Executor to Airflow: A Contributor Overflow Exception

Vanessa Sochat
Adding An Executor to Airflow: A Contributor Overflow Exception

Be like Elmo!

Vanessa Sochat
User and Maintainer

Committer (Maintainer)

User
Hey maintainer

- Do you remember time when you were user?
- Did you know where to look in sources?
- Did you know by heart all the configuration values?
- Did you know that someone already discussed it in Issue/devlist/discussion?
- Is it REALLY described in the documentation?
- Is this OK that the user might not know how airflow components are run?
- Is this OK that the user does not know Python?
Apache Airflow Pulse

Contributions to main, excluding merge commits and bot accounts
Hey user - do you know that:

- our maintainer to user ratio is less than 2 : 1000 ?
- we have more than 10 merged PRs a day ?
- there are PR with more than 100 comments ?
- there are about 80 - 100 messages generated a day from airflow repo activity?
- maintainers are not paid to help with troubleshooting ?
- there are SEARCHABLE(!) docs/issues/discussions/stack overflow?
What does it mean to be an empathetic maintainer?
You know nothing - John Snow

And now you can remove all the specific copy operators like S3ToSFTP, AzureBlobToGCS ... Or, if they don't exist you don't need to implement them anymore!

What do you think @turbaszek? I don't know how the Core development is organized (I know there's a Jira and a mailing list, but know nothing of the organization processes). This will be a core change. But if Airflow aims to thrive, it's necessary (IMHO)
Direct the users

Apache Airflow version
2.1.1

What happened
When I am API calling for users with limit 1000, it returns only 500 requests. How or where can I increase limit more then 500 requests? Looks like by default airflow API returns max 500 requests.
I am running following command but always return 500 requests: https://airflow_url/api/v1/users?limit=1000

mik-laj commented on 19 Apr
Page size limit
To protect against requests that may lead to application instability, the stable API has a limit of items in response. The default is 100 items, but you can change it using maximum_page_limit option in [api] section in the airflow.cfg file.
Direct the users

**josh-fell** on 28 Jan  
Collaborator

Have you taken a look at `user_defined_macros` or `user_defined_filters` in the [Jinja templating docs](https://jinja.palletsprojects.com/en/3.0.x/)? They are pretty handy when you want to expose custom functions within Jinja templating.

**a246530** on 28 Jan  
Author

Thank you for pointing this out. I was not fully aware of this. I just wrote a user defined filter to decode the xcom base64 value the way I initially suggested in my question and it worked just as expected.

Thanks again!
Check your assumptions

potiuk commented 13 days ago • edited

The `all` is a development set of extras and it only works well in `main` branch.

Please use specific set of extras and providers you want to install rather than installing `all` - this should work fine.

You should not use it to install all dependencies of airflow in released airflow version. It is impossible to make it really without heavy complication of setup. I will make it clear in the docs because I think it is not really described well.

potiuk mentioned this issue 13 days ago

Clarify that bundle extras should not be used for PyPi installs #23697

potiuk added a commit to potiuk/airflow that referenced this issue 13 days ago

Clarify that bundle extras should not be used for PyPi installs affefa0

potiuk commented 13 days ago

Documentation clarification in #23697
Communicate via code

```bash
252 > &2 echo "WARNING! You should run the image with GID (Group ID) set to 0"
253 > &2 echo " even if you use 'airflow' user (UID=50000)"
254 > &2 echo
255 > &2 echo " You started the image with UID=$(id -u) and GID=$(id -g)"
256 > &2 echo
257 > &2 echo " This is to make sure you can run the image with an arbitrary UID in the future."
258 > &2 echo
259 > &2 echo " See more about it in the Airflow's docker image documentation"
260 > &2 echo " http://airflow.apache.org/docs/docker-stack/entrypoint"
261 > &2 echo
262 > &2 echo # We still allow the image to run with 'airflow' user.
263 > &2 echo return
```
Invite the users to contribute

Apache Airflow version
2.3.0 (latest released)

What happened
We used to configure the Database using the AIRFLOW__CORE__SQLALCHEMY_CONN_CMD Environment variable. Now the config option moved from CORE to DATABASE. However, we intended to keep backward compatibility as stated in the Release Notes.

Upon 2.3.0 update however, the _CMD styled variables are no longer recognized for database configuration in Core - I think due to a missing entry here:

Indeed seems like a bug. Would you like to submit a PR fixing it @c-thiel? Seems like an easy fix - and you could become one of the >2000 contributors.

Add backward compatibility for core__sql_alchemy_conn__cmd #23441

potiuk commented 24 days ago • edited

Yes I am willing to submit a PR!
Surely. Feel free. https://airflow.apache.org/docs/apache-airflow/stable/start/local.html - at the bottom right you will find "suggest a change on this page" and you can open a PR directly clicking on it. I think as a user who struggled with finding it, you are the best to describe it in the way that other users like you will find useful. Airflow is created by more than 1800 contributors - most of them voluntarily - and small contributions like that are the best way to start "giving back" to the community for the free software you get :)
Empathy and assertiveness

In order to be able to help others, you must help yourself first.
Set the boundaries

- You cut yourself from help of others
- You demand exclusive attention for free
- You don’t let others learn from help you might get
What does it mean to be an empathetic user?
How to achieve dependencies between tasks #23032

**What happened**

My requirement is that the post-task will run only if the pre-dependency runs successfully. If the pre-dependency does not run or fails, the post-task will not run even when the time is up. How to implement this function?

**Response**

Look at our docs and search for "task dependencies". You will find an answer on your own without unnecessarily engaging other people. The documentation we have is pretty comprehensive: [http://airflow.apache.org/docs/](http://airflow.apache.org/docs/)
Don’t ask to ask  
https://dontasktoask.com/

Don't ask to ask, just ask

Every now and then, in online chat rooms I hang around in, someone pops in and says something in the lines of,

Foobar123: Any Java experts around?

This is bad form, for several reasons. What the person is actually asking here is,

- You ask for too much responsibility
- Laziness
- So, to summarize, don't ask "Any Java experts around?", but rather ask "How do I do [problem] with Java and [other relevant info]?"
Use Github Discussions more

How to reproduce
What should we do to reproduce the problem? If you are not able to provide a reproducible case, please open a discussion instead.

Please make sure you provide a reproducible step-by-step case of how to reproduce the problem as minimally and precisely as possible. Keep in mind we do not have access to your cluster or DAGs. Remember that non-reproducible issues will be

Ask a question or get support
Ask a question or request support for using Apache Airflow
Using issues for questions

How do I install airflow using helm on arm architecture #23777

- Official Helm Chart version
  - 1.9.0 (latest released)
- Apache Airflow version
  - 2.3.0 (latest released)
- Kubernetes Version
  - 1.18.2
- Helm Chart configuration
  - No response
- Docker Image customisations
  - No response
- What happened
  - No response
- What you think should happen instead
  - No response
- How to reproduce
  - No response
I am deploying airflow in Kubernetes with this chart: https://github.com/apache/airflow/tree/master/chart and I am using:

- AKS Kubernetes version: 1.16.13
- PostgreSQL hosted in Azure Database for PostgreSQL version: 10

If I use the PostgreSQL database sub-chart it works perfectly.

I modify the values.yml to connect to the external PostgreSQL database:

```yaml
# Airflow database config
data:
  # If secret names are provided, use those secrets
  metadataSecretName: -
  resultBackendSecretName: -

  # Otherwise pass connection values in
  metadataConnection:
    user: <Myuser>
    pass: <Mypass>
    host: <server>
    port: 5432
    db: airflow
    sslmode: disable
  resultBackendConnection:
    user: <Myuser>
    pass: <Mypass>
    host: <server>
    port: 5432
    db: airflow
    sslmode: disable
```

When I deploy it the scheduler and webserver pods fail. I have checked the connection string and using it manually works fine.
Add value

ashb commented on 9 Nov 2021

Just confirmed this works on Mysql with #19425 when going from 2.1.2 to v2-2-test branch, so this will be fixed when 2.2.2 is out in a few days.

ashb closed this as completed on 9 Nov 2021

hi, I'm facing this issue, anyone resolved it?

potiuk commented on 24 Jan

This issue is closed and fixed in 2.2.2. If you face similar issues on v2-2-test for 2.2.2 and 2.2.3 - please open a new one where you specify all details - this is likely different issue similar to this one.

It's really not helpful to say 'I have the same issue' without providing no details when issue is closed already.
Hey guys, what's going on with that task? I need this solution. Please, do it :) It's not complex I know it! Just do it!

If you know it's easy feel free to provide PR. As simple as that. You can become one of the more than 2000 contributors. It's super easy way to repay the debt you have for using free software.
Community is not a helpdesk

potiuk commented on 7 Apr

I'm still having this issue on 2.2.5 any updates on this ticket or when it may get fixed. In the meantime I'm using the code snippet provided by @...*

potiuk commented on 12 Apr

I'm still having this issue on 2.2.5 any updates on this ticket or when it may get fixed. In the meantime I'm using the code snippet provided by @...*

Some parts of this issue is marked as fixed. You likely experience other issues. But we will never know unless you open a new issue and provide all the details, your logs and circumstances that you experience the problem. Unless you do that - there is no chance your issue will be hand even looked at (and even less likely fixed, maybe accidentally) - because no-one has any idea about your issue details.

potiuk commented on 12 Apr

Just be aware... that you get the software for free - and a lot of the people contribute to it for free. And the best value you can bring is to spend some time on detailing your problems. Providing as much as you can - including the circumstances, details and reproducibility. This way the smallest help you can provide for those who try to help people like you - on a free forum, for - again - software that you paid precisely 0 USD for.
Thank you!

Q&A