May 23–27, 2022
AIRFLOW
SUMMIT

Airflow Summit 2022

Hey Maintainer (and user)

Exercise your empathy

Airflow Survey!

https://bit.ly/AirflowSurvey22

About me

Jarek Potiuk

Independent Open-Source Contributor and Advisor
Airflow Committer & PMC member
Twitter: @jarekpotiuk

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

https://youtu.be/RKEmAshcreE

Adding An Executor to Airflow: A Contributor Overflow Exception

Vanessa Sochat

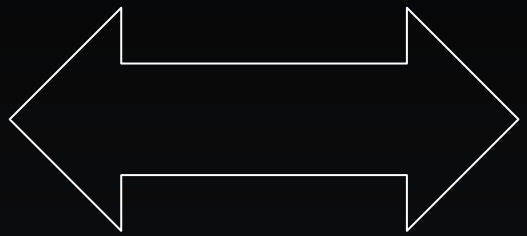
Adding An Executor to Airflow: A Contributor Overflow Exception

Vanessa Sochat

Be like Elmo!

User and Maintainer

Committer
(Maintainer)

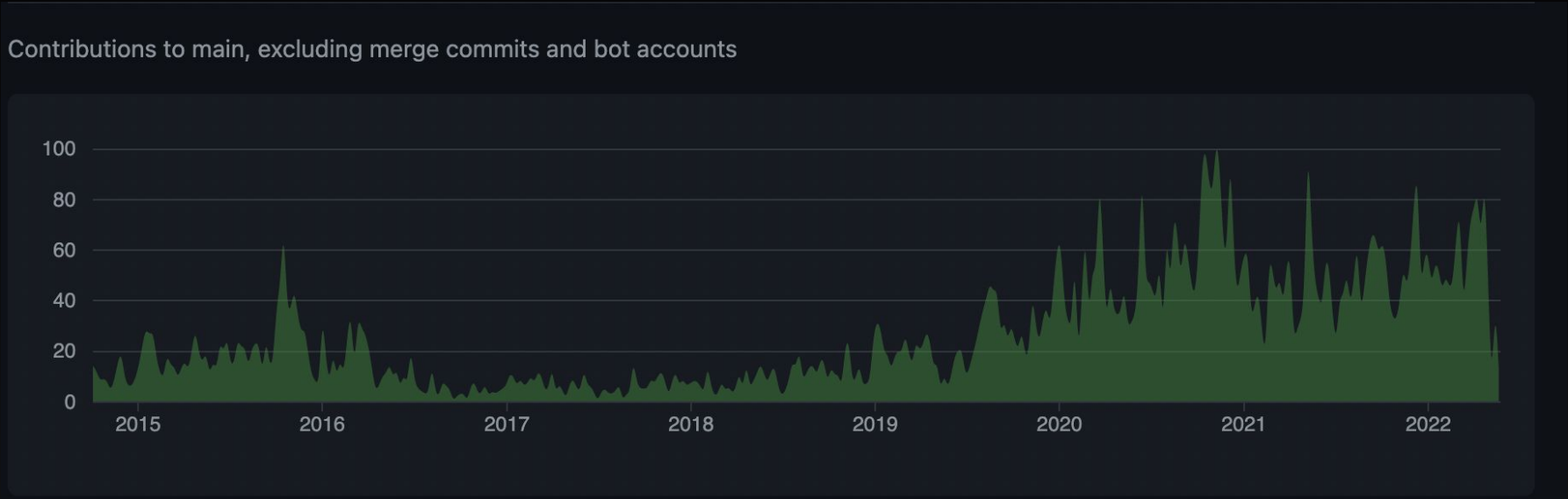


User

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



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`, `AzureBlobbToGCS`... 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.

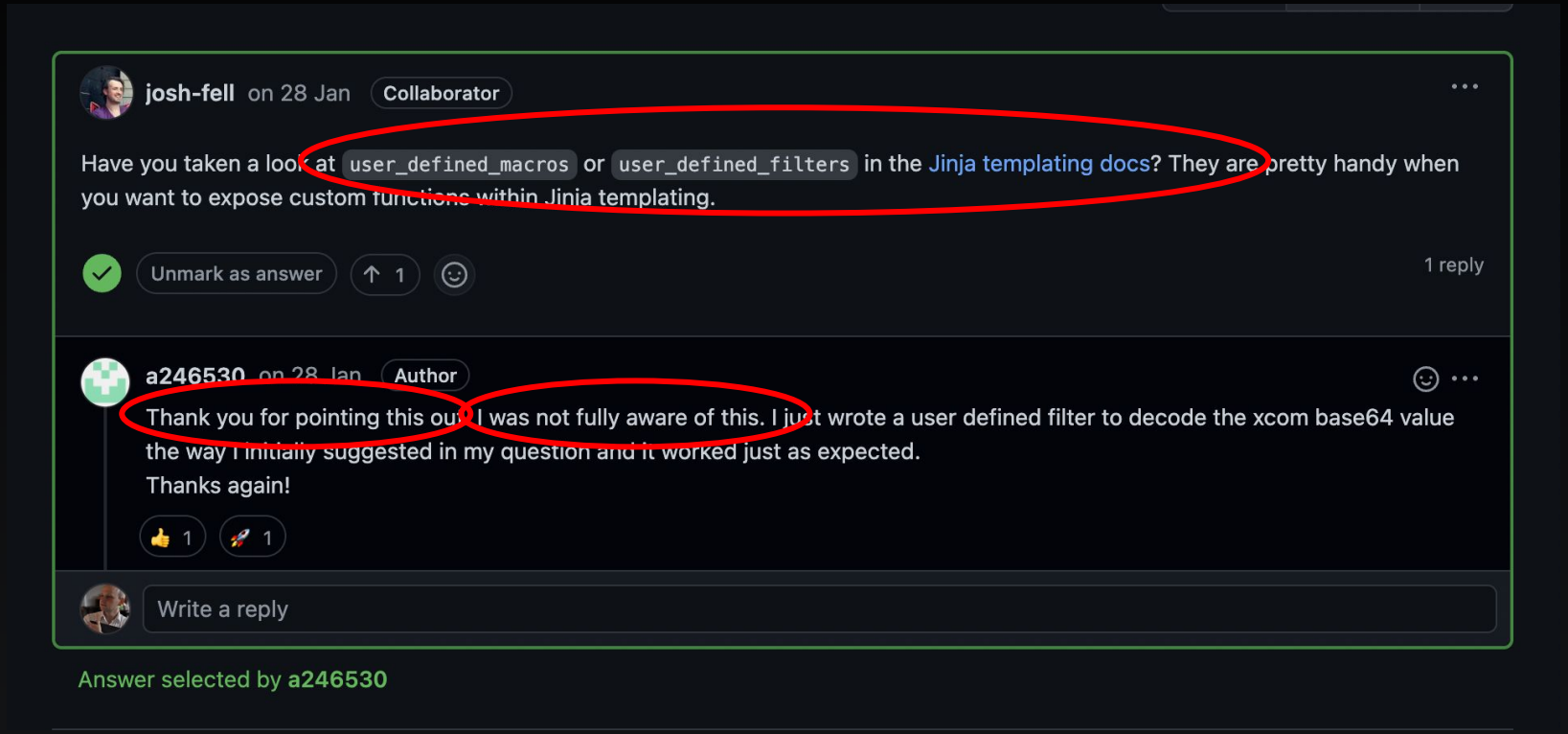
I am running following command but always return 500 requests: `https://airflow_url/api/v1/users?limit=1000`

mik-laj commented on 19 Apr — Member

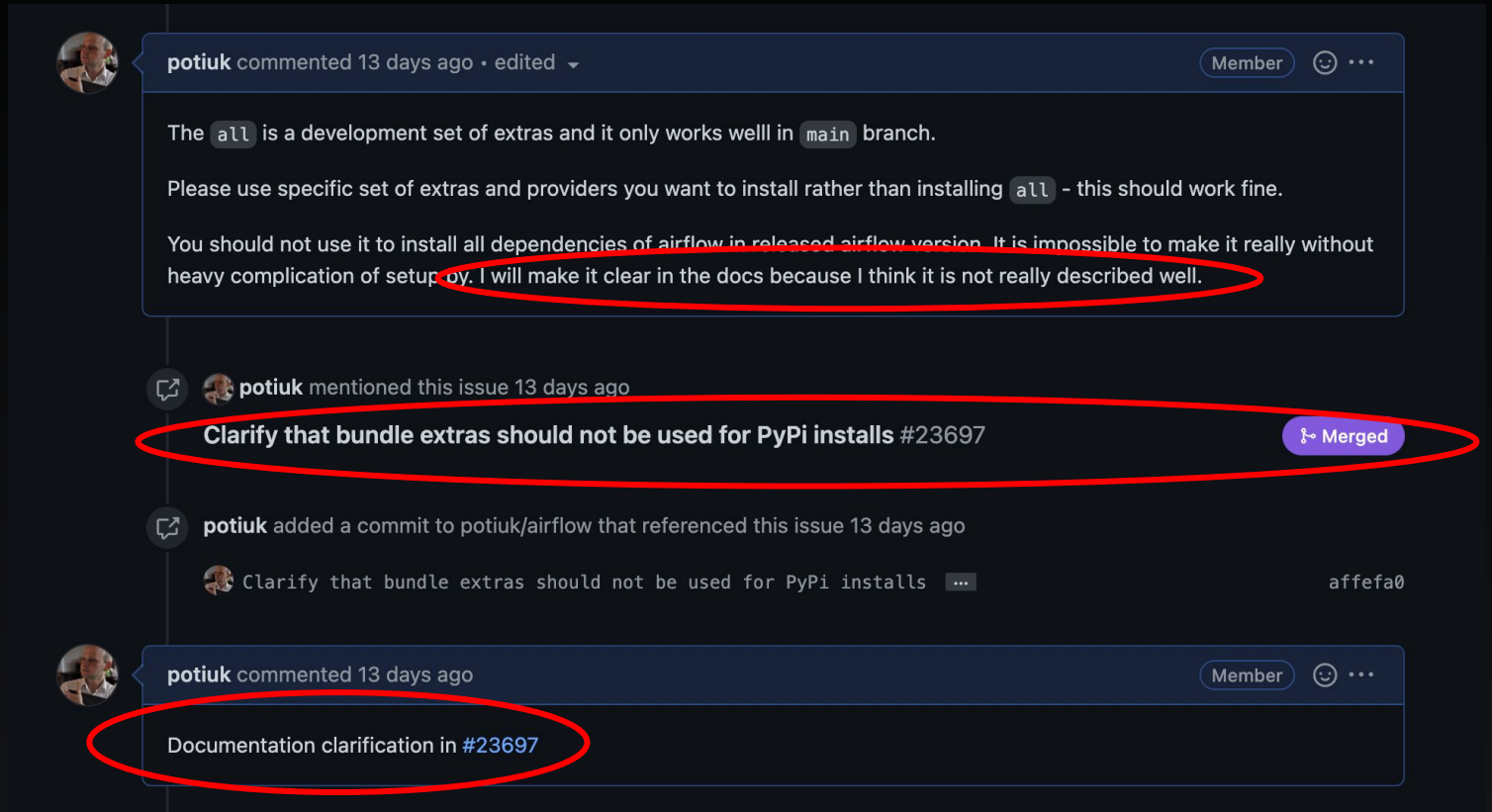
> Page size limit
> To protect against requests that may lead to application instability, the stable API has a limit of items in response. The default is 100 items, but you can change it using `maximum_page_limit` option in `[api]` section in the `airflow.cfg` file.

https://airflow.apache.org/docs/apache-airflow/stable/security/api.html

Direct the users



Check your assumptions



potiuk commented 13 days ago • edited — Member

The `all` is a development set of extras and it only works welll 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.py. 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 — Merged

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 — Member

Documentation clarification in #23697

Communicate via code

```
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 +         # We still allow the image to run with `airflow` user.
263 +         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__SQL_ALCHEMY_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 suffixed variables are no longer recognized for database configuration in Core - I think due to a missing entry here:

airflow/airflow/configuration.py
Line 135 in 8622808

```
135     ('database', 'sql_alchemy_conn'),
```

What you think should happen instead

We should only get a deprecation warning but the

Are you willing to submit PR?

☐ Yes I am willing to submit a PR!

potiuk commented 24 days ago • edited — Member

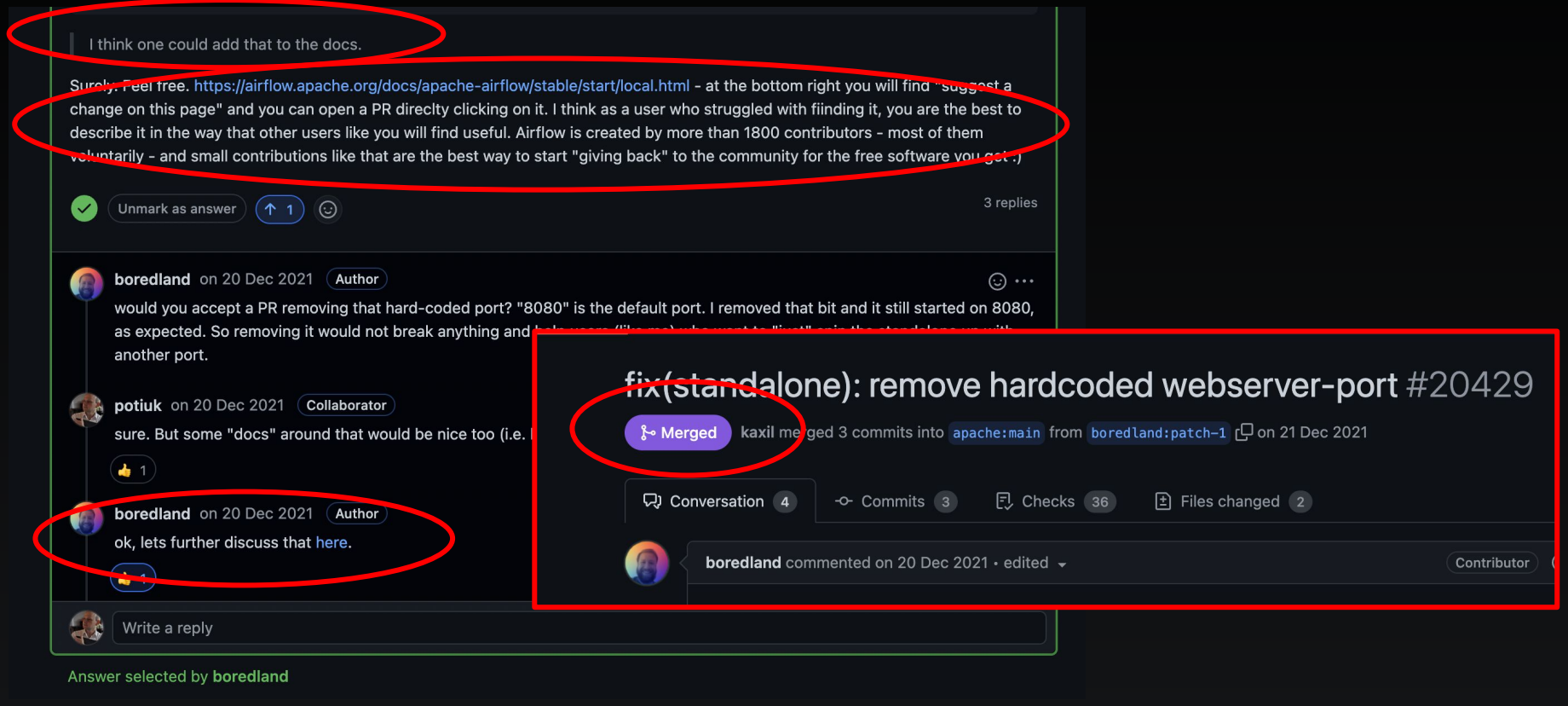
Indeed seems like a bug. Would you like to submit a PR fixing it **@c-thiel** ? Seems like an easy fix - and you could become one of the > 2000 contributors.

c-thiel mentioned this issue 23 days ago

Add backward compatibility for core__sql_alchemy_conn__cmd #23441 — Merged

mik-laj closed this as completed 23 days ago

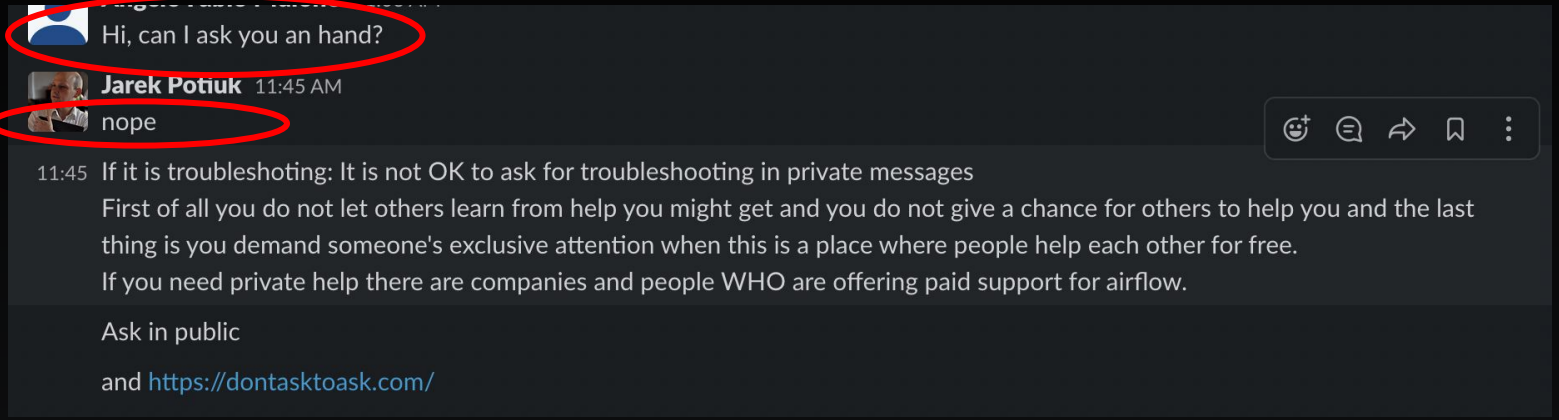
Invite the users to contribute



Empathy and assertiveness

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

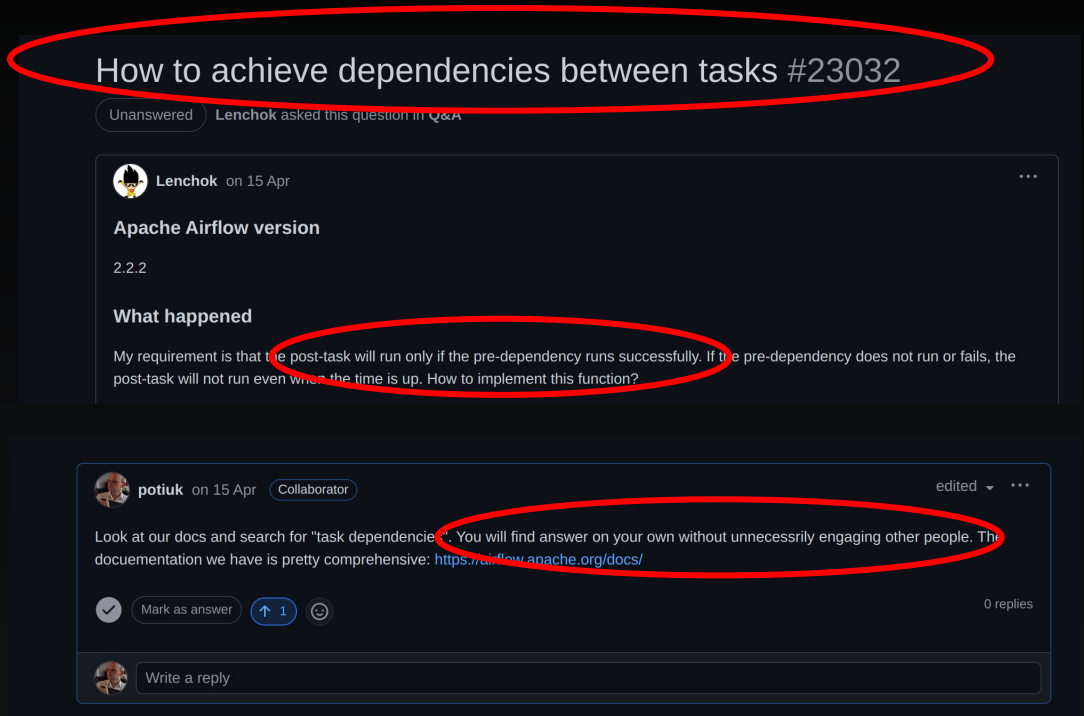
Set the boundaries



- You cut yourself from help of others
- You demand exclusive attention for free
- You don’t let others learn from help you might get

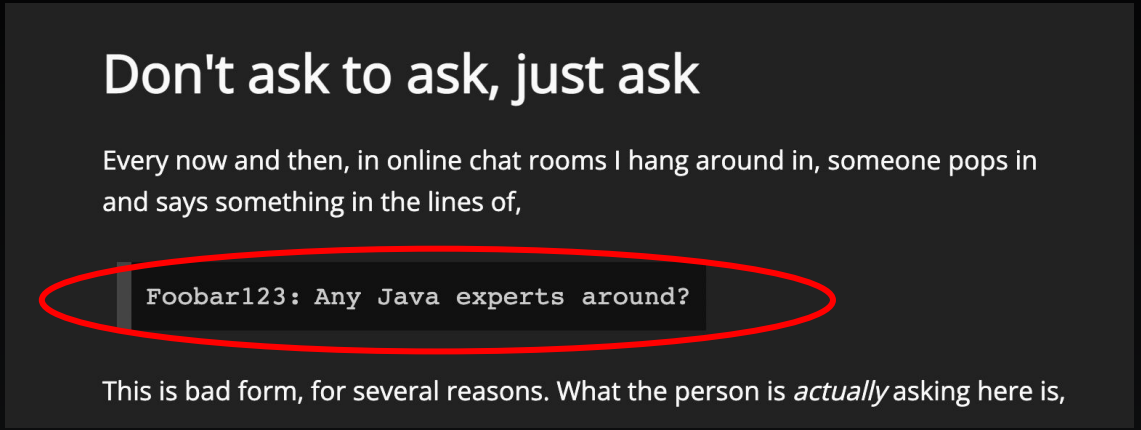
What does it mean to be an empathetic user?

Read The Friendly Manual



Don’t ask to ask

https://dontasktoask.com/



Don't ask to ask, just ask

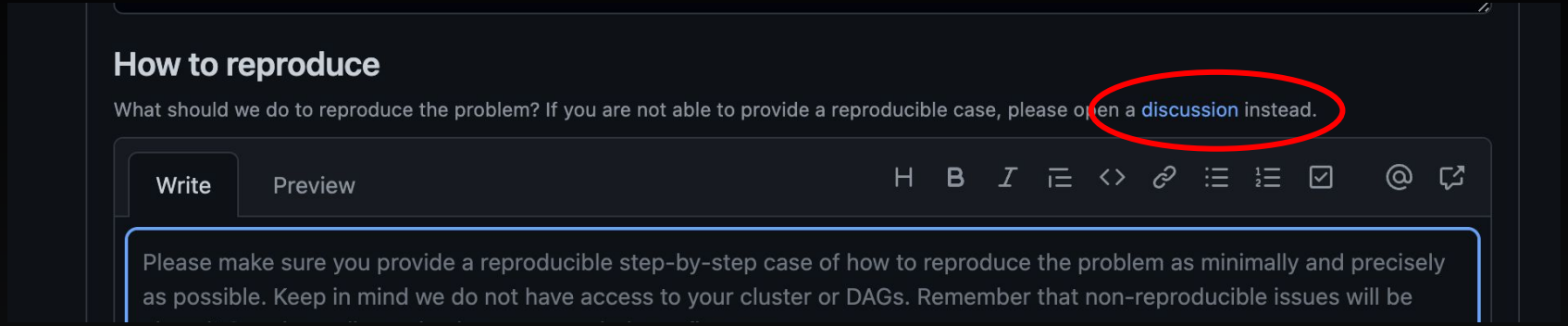
Every now and then, in online chat rooms I hang around in, someone pops in and says something in the lines of,

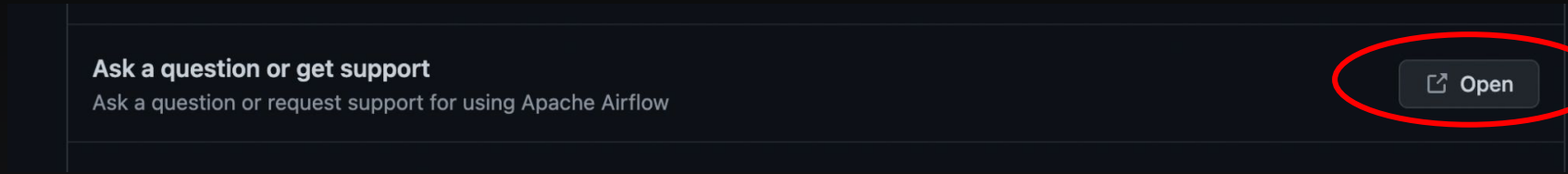
```
Foobar123: Any Java experts around?
```

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

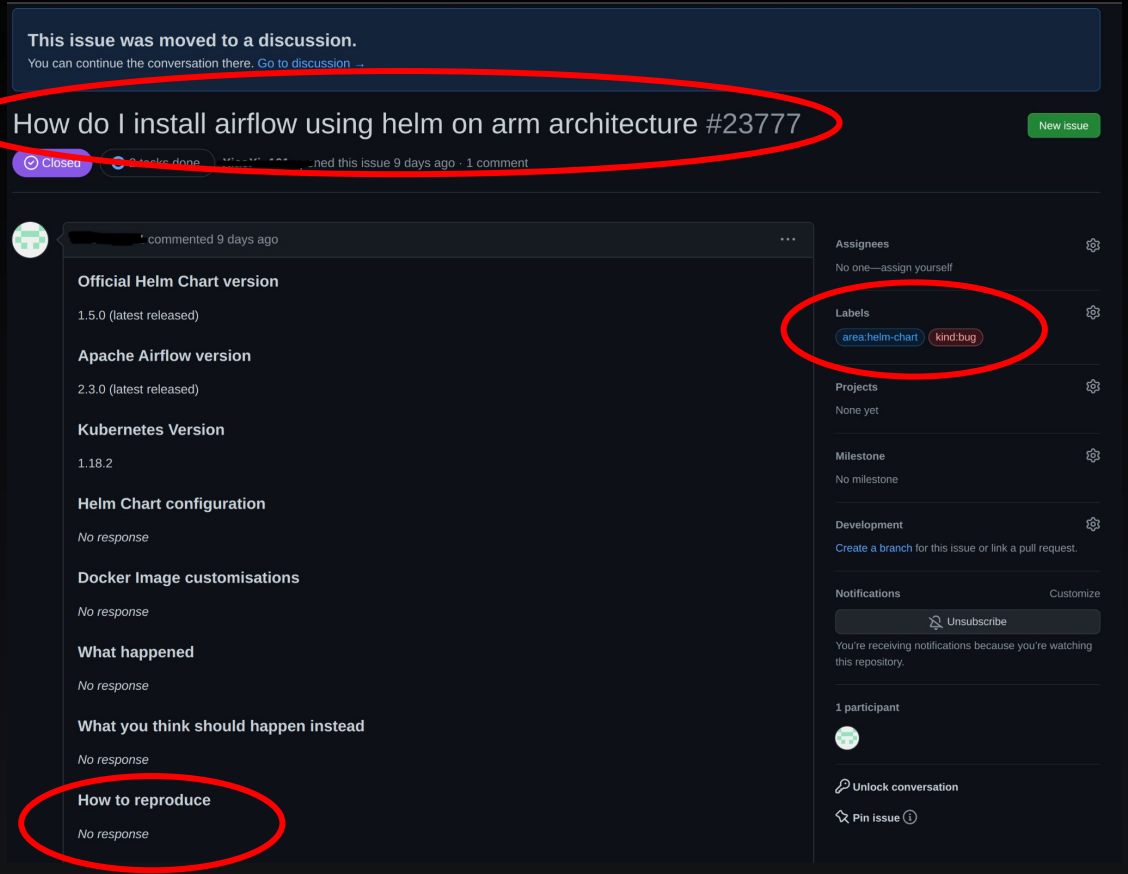
- You ask for too much responsibility
- Laziness
- So, to summarize, don't ask *"Any Java experts around?"*, but rather ask *"How do I do [problem] with Java and [other relevant info]?"*

Use Github Discussions more





Using issues for questions



Help to help yourself

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:

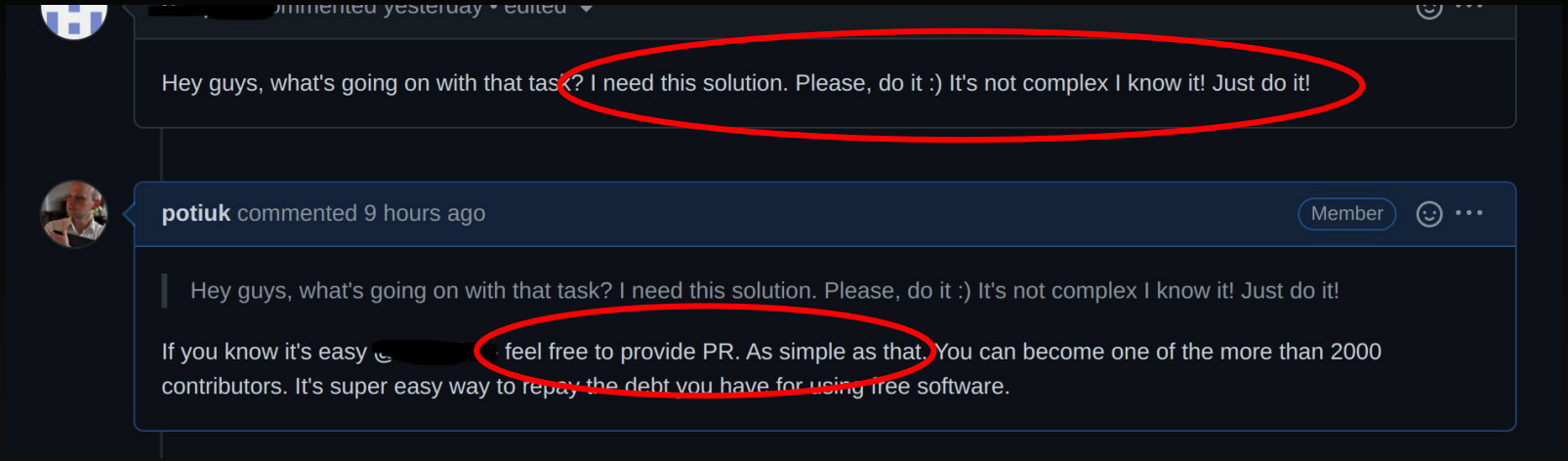
```
# Airflow database config
data:
  # If secret names are provided, use those secrets
  metadataSecretName: ~
  resultBackendSecretName: ~

  # 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
Member
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
ashb closed this as completed on 9 Nov 2021
commented on 24 Jan
hi, i'm facing this issue, anyone resolved it?
potiuk commented on 24 Jan
Member
This issue is closed and fixed in 2.2.2. If you face simiilar issue 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.

Knowing better



Community is not a helpdesk

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 mean time i'm using the code snippet provided by @

potiuk commented on 12 Apr • edited — Member

> i'm still having this issue on 2.2.5 any updates on this ticket or when it may get fixed. In the mean time i'm using the code snippet provided by

Some parts of this issue is marked as fixed. You likely experience other issue. 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 handeven looked at (and even less likely fixed, maybe accidentally) - because no-one has any idea about Your issue details.

potiuk commented on 12 Apr — Member

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.

Airflow Summit 2022

Thank you !

Q&A

Survey! https://bit.ly/AirflowSurvey22