Google

Uncharted Territory

Navigating a Community for the First Time

Leah Cole, Google Cloud DevRel
October 2019

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Google

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Hi, I'm Leah!

Hi, I'm Leah!

Hi, I'm Leah!

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Leah + Google + OSS

	Leah Cole, November 2018
OSS	Casual consumer
Apache	I think I've heard of it?
Airflow	Is it wind?

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Leah + Google + OSS

	Leah Cole, November 2018	**Google**
OSS	Casual consumer	Consumer, Contributor, Producer
Apache	I think I've heard of it?	Consumer, Contributor, Critical to some Cloud Products
Airflow	Is it wind?	Cloud Composer

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Unknown unknowns

~~U~~nknown unknowns

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How?

How?
Community Assessment

Assessing a Community

Assessing a Community

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Assessing a Community

What Did I Look At?

- Community Taxonomy 🦸
- Usage 🌬️
- Issues 😩
- Contribution 📋
- Releases 🎣
- Similar Tools/Products 🛠️

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Community Taxonomy 🦸‍♀️

Community Taxonomy 🦸‍♀️

- Structure

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Community Taxonomy 🦸‍♀️

- Structure
- Committers

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Community Taxonomy 🦸

- Structure
- Committers
  - Who?

Community Taxonomy 🦸‍♀️

- Structure
- Committers
  - Who?
  - How many?

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Community Taxonomy 🦸

- Structure
- Committers
  - Who?
  - How many?
- Companies?

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Community Taxonomy 🦸‍♀️

- Structure
- Committers
  - Who?
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- Origin

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Community Taxonomy

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Confluence
Airflow

README.md

Apache Airflow
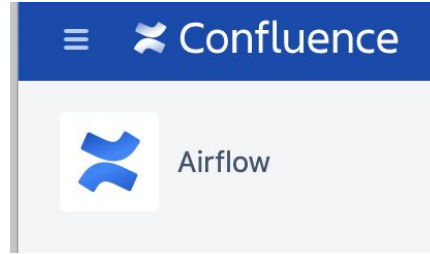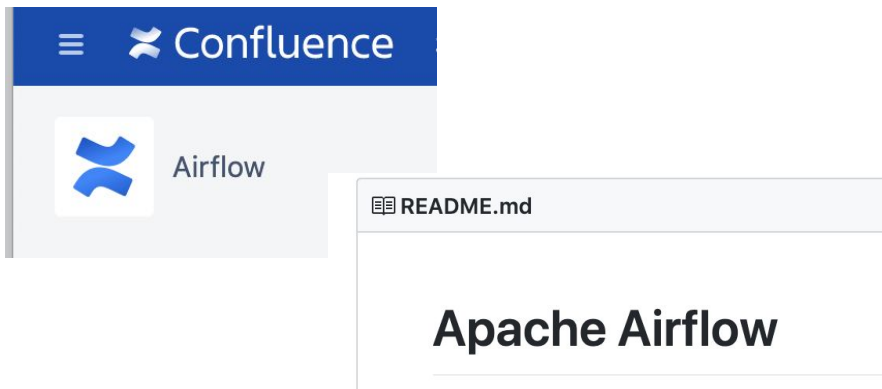
Community Taxonomy 🦸

- Structure
- Committers
  - Who?
  - How many?
- Companies?
- Origin

Community Taxonomy

- Structure
- Committers
  - Who?
  - How many?
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- Origin

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Usage

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Usage 🌬️

- Individuals/Companies

Usage 🌬️

- Individuals/Companies
- How many?

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Usage

- Individuals/Companies
- How many?
- Dependencies?

Usage 😮‍💨

- Individuals/Companies
- How many?
- Dependencies?

Statistics

View statistics for this project via Libraries.io, or by using Google BigQuery

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Usage

- Individuals/Companies
- How many?
- Dependencies?

Statistics

View statistics for this project via Libraries.io, or by using Google BigQuery

📦 Used by ▾ | 508 · 👁 Watch ▾ | 662 · ⭐ Star | 14.3k · ⑃ Fork | 5.4k

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Issues 😩

Issues 😫

- # open issues

Issues 😩

- # open issues
- Date of last resolution

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Issues 😩

- # open issues
- Date of last resolution
- How long?

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Issues 😩

- # open issues
- Date of last resolution
- How long?
- How to submit?

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Issues 😩

- # open issues
- Date of last resolution
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- How to submit?
- How easy for newbies to fix?

Issues 😩

- # open issues
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Open issues Switch filter ▾

Order by Priority ↓ ▾

🔴 AIRFLOW-4355
Externally triggered DAG is marked as 'succes…

🔴 AIRFLOW-4089
pytz.utc has no attribute name

🔴 AIRFLOW-4470
RBAC Github Enterprise OAuth provider callba…

🔼 AIRFLOW-4390
manage_slas() needs refactoring

🔴 AIRFLOW-2898
Task not entering queued state for pool

🔴 AIRFLOW-4424
Scheduler does not terminate after num_runs …

🔼 AIRFLOW-2290
Include CVE references in changelog

🔴 AIRFLOW-4346
Kubernetes Executor Fails for Large Wide DAGs

🔴 AIRFLOW-4363
Encounter JSON Decode Error when using do…

🔴 AIRFLOW-3036
Upgrading to Airflow 1.10 not possible using G…

🔴 AIRFLOW-4176
[security] webui shows password - admin/log/?…

🔼 AIRFLOW-2289
Add additional quick start to INSTALL

🔴 AIRFLOW-3366

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Issues 😫

- # open issues
- Date of last resolution
- How long?
- How to submit?
- How easy for newbies to fix?

This chart shows the average number of days issues were unresolved for on a given day over the past **300** days.
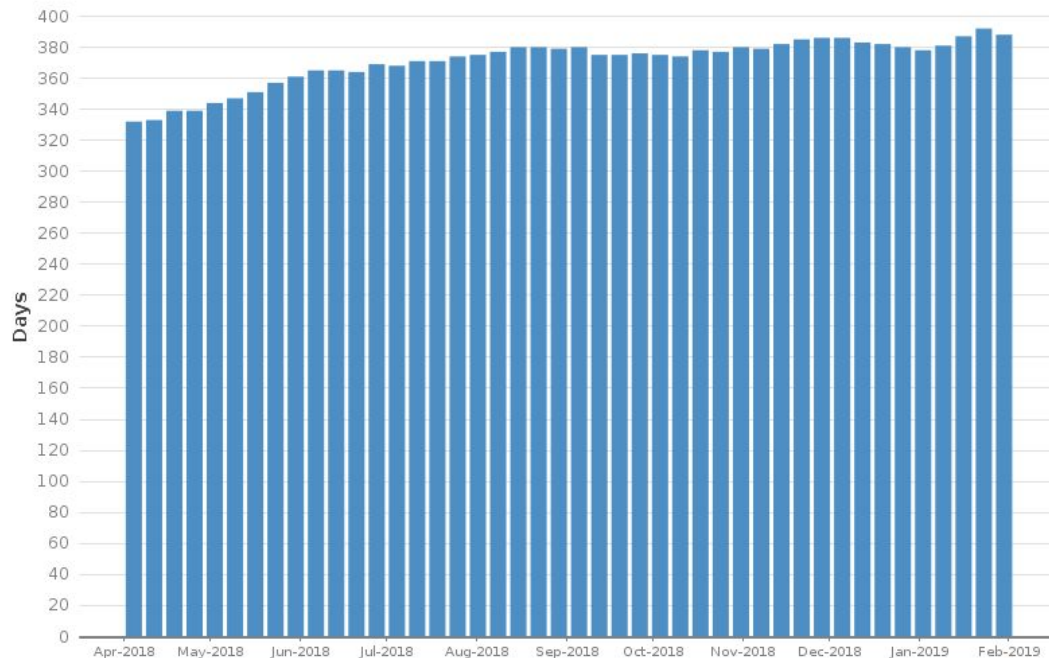
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Issues 😩

- # open issues
- Date of last resolution
- How long?
- How to submit?
- How easy for newbies to fix?

Created vs Resolved Chart: Apache Airflow

11 versions 1.9.0 4 versions 2 versions

4,000
3,000
2,000
1,000
0

20 Mar 2017   26 Jun 2018   02 Oct 2019

1,000
500
0

20 Mar 2017   26 Jun 2018   02 Oct 2019
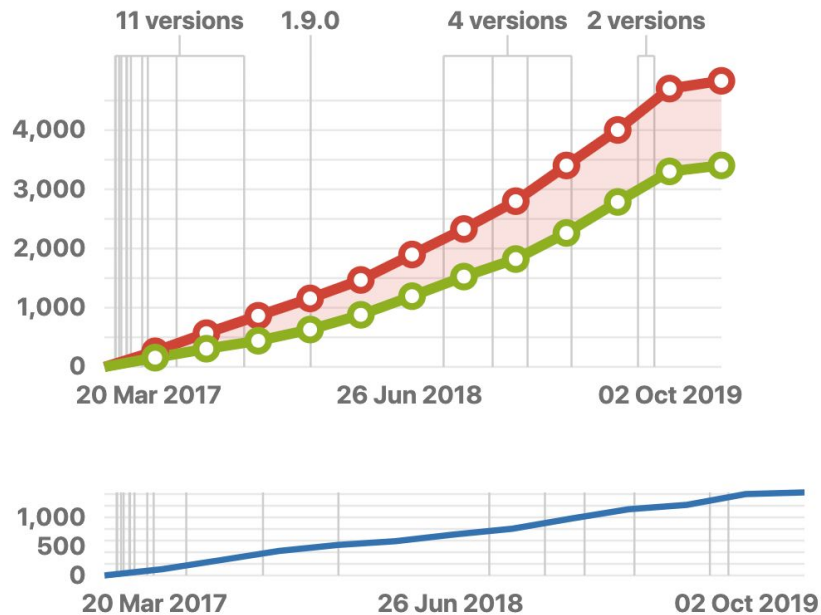
Issues in the last 1,000 days (grouped quarterly) View in Issue Navigator

○ Created issues (4833)

○ Resolved issues (3404)

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Contribution 📋

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Contribution 📋

- Who contributes?

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Contribution 📋

- Who contributes?
  - Individuals

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Contribution 📋

- Who contributes?
  - Individuals
  - Companies

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Contribution 📋

- Who contributes?
    - Individuals
    - Companies
- How to Start?

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Contribution 📋

- Who contributes?
  - Individuals
  - Companies
- How to Start?
- PR merge frequency

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Contribution 📋

- Who contributes?
  - Individuals
  - Companies
- How to Start?
- PR merge frequency
- Whose PRs get merged?
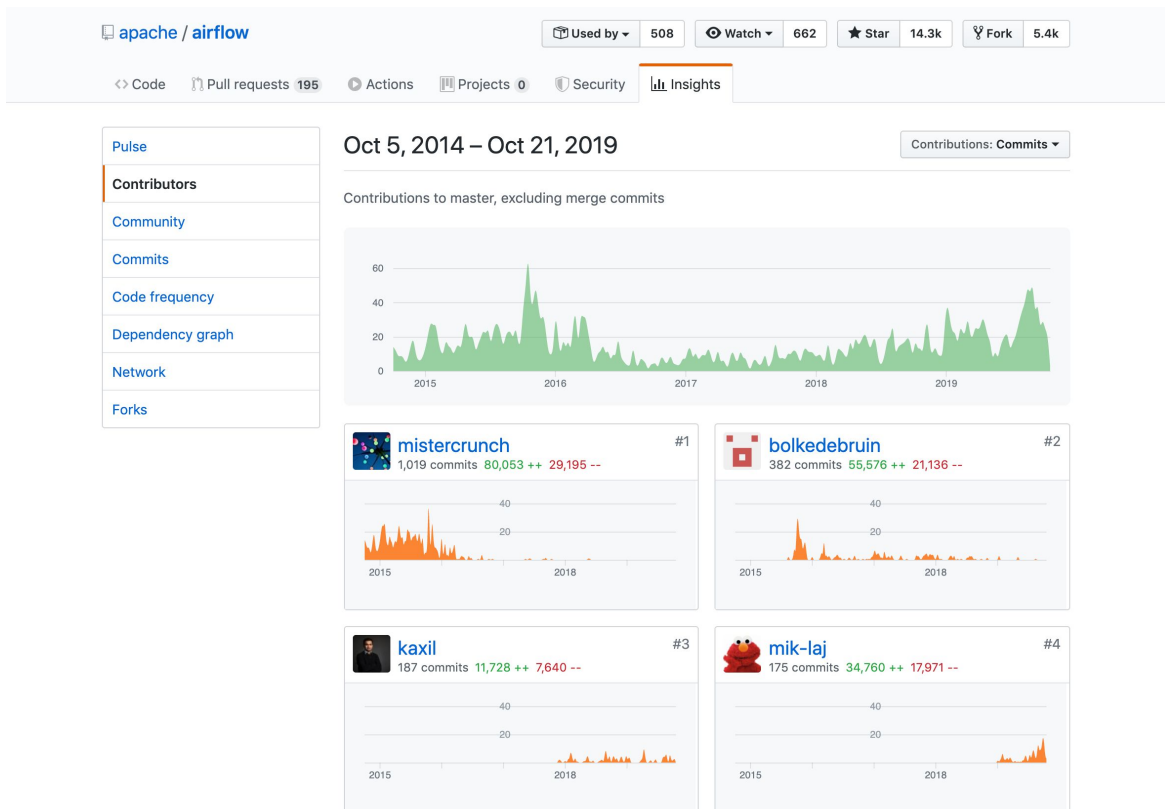
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Contribution 📋

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Contribution

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☰ ✖ Confluence

Airflow

Google

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Contribution

- Who contributes?
  - Individuals
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---

apache / **airflow**
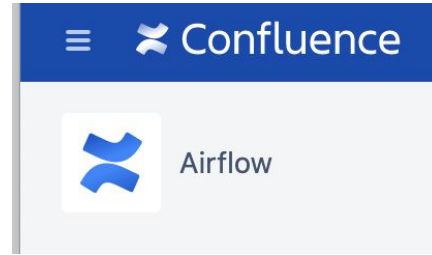
Used by ▾ 508 | Watch ▾ 662 | ★ Star 14.3k | Fork 5.4k

<> Code | Pull requests 195 | Actions | Projects 0 | Security | Insights

Branch: master ▾ | **airflow** / **CONTRIBUTING.rst** Find file Copy path

potiuk [AIRFLOW-XXXX] Google Season of Docs updates to CONTRIBUTING doc (#6283)   10d39ef 8 days ago

5 contributors

684 lines (459 sloc) | 26.3 KB Raw Blame History

- Contributions
  - Report Bugs
  - Fix Bugs
  - Implement Features
  - Improve Documentation
  - Submit Feedback
- Documentation
- Pull Request Guidelines
- Development Environments
  - Local virtualenv Development Environment
  - Breeze Development Environment
- Pylint Checks
- Pre-commit Hooks
  - Prerequisites for Pre-commit Hooks
  - Enabling Pre-commit Hooks
  - Using Docker Images for Pre-commit Hooks

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Releases 🐟🎣

Releases 🐟🎣

- How often?

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Releases 🎣

- How often?
- Apache Way?

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Releases 🐟🎣

- How often?
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- Non-binding opinions?

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Releases 🎣

- How often?
- Apache Way?
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Releases 🎣

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Releases 🐟🎣

- How often?
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Release history   Release notifications

1.10.6rc1 PRE-RELEASE
Oct 18, 2019

THIS VERSION   1.10.5
Sep 4, 2019

1.10.5rc1 PRE-RELEASE
Aug 31, 2019

1.10.4
Aug 6, 2019

1.10.4rc5 PRE-RELEASE
Aug 1, 2019

1.10.4rc4 PRE-RELEASE
Jul 31, 2019

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Similar Tools/Products 🛠️

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Similar Tools/Products 🛠️

Comparisons to draw

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Similar Tools/Products 🛠️

Comparisons to draw

- Community vs. Company-driven

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Similar Tools/Products 🛠️

Comparisons to draw

- Community vs. Company-driven
- Age of project

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Similar Tools/Products 🛠️

Comparisons to draw

- Community vs. Company-driven
- Age of project
- Tooling used

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Similar Tools/Products 🛠️

Comparisons to draw

📖 **spotify** / **luigi**

| 🗄 Used by ▾ | 822 | 👁 Watch ▾ | 507 | ★ Star | 12.4k | ⑂ Fork | 2k |

<> **Code**   ⓘ Issues **42**   ⑂ Pull requests **20**   ▶ Actions   ▥ Projects **0**   🛡 Security   📊 Insights

Luigi is a Python module that helps you build complex pipelines of batch jobs. It handles dependency resolution, workflow management, visualization etc. It also comes with Hadoop support built in.

`python` `luigi` `orchestration-framework` `scheduling` `hadoop`

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Similar Tools/Products 🛠️

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python   luigi   orchestration-framework   scheduling   hadoop

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What Do You Do Next?

- Save

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What Do You Do Next?

- Save
- Share kindly, if appropriate

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What Do You Do Next?

- Save
- Share kindly, if appropriate
- Do it again

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TL;DR

- Take Your Time

TL;DR

- Take Your Time
- Do Your Homework

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TL;DR

- Take Your Time
- Do Your Homework
- Give What You Can

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Thank you!

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