

Description:

The mission of Apache Arrow is the creation and maintenance of software related to columnar in-memory processing and data interchange

Issues:

- CI Issues continue to be a problem. With the increase in utilization of ASF's allotment of Github Actions we've seen CI build time go from 20-30 minutes to as long as 5 hours
- There have been several issues around understanding exact requirements for what it means to follow the Apache way and developing code within the community:
 - Several Rust projects were developed outside of the ASF repos and then had proposals to be donated back.
 - After accepting the donation of Julia developers continued to develop in the original Julia repo and only make PRs back to the Arrow repo on an intermittent basis. Since the Arrow community has been growing rapidly, we had not done a thorough enough job of educating newcomers what it means to develop "inside the community".
 - It appears a development model similar to what Rust is proposing (see community health) will mitigate technical concerns for why this was the development model chosen.
 - It is unclear if JIRA use is required / encouraged for Apache projects or if using a non Apache hosted system such as GitHub issues for parts of the project is sufficiently community friendly
 - In both cases it seems exact requirements of the ASF are not clear. Through discussion it became apparent that the preferred method for revolutionary changes to the existing code bases is by creating separate development branches for prototyping with updates back to the community.
- ASF's Artifactory isn't ready yet. We don't know the current status. See also: <https://lists.apache.org/thread.html/r9200fed3fa812f8c7de07a2500425f258db3231baa8e05f288175e4a%40%3Cbuilds.apache.org%3E>

Membership Data:

Apache Arrow was founded 2016-01-19 (5 years ago)

There are currently 55 committers and 32 PMC members in this project.

The Committer-to-PMC ratio is roughly 7:4.

Community changes, past quarter:

- Andrew Lamb was added to the PMC on 2021-03-07
- Jorge Leitão was added to the PMC on 2021-03-07
- Yibo Cai was added as committer on 2021-03-05

Project Activity:

- We are aiming to have a 4.0 release this month.

Community Health:

- Rust members of the community have proposed to follow a new development workflow using separate Arrow github repos specifically for Rust components and migrating away from JIRA to Github for issue tracking. Rust will also start releasing on a different cadence than the rest of the language bindings.
 - The releases will still follow Apache Arrow governance (voting for releases, etc)
 - Depending on the experience of the Rust community, the Julia community may follow a similar path in the future