



Apache Incubation - What's it all about?

A chance for the Apache Hop (incubating) initial committers to ask all the dumb questions they can think of

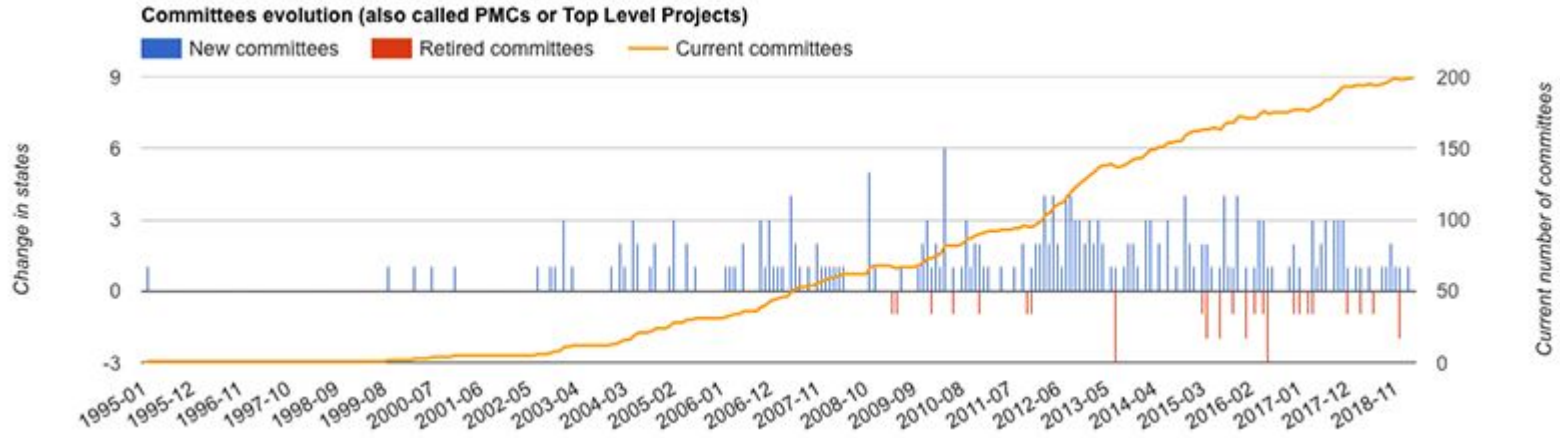
Julian Hyde, 2020/10/01

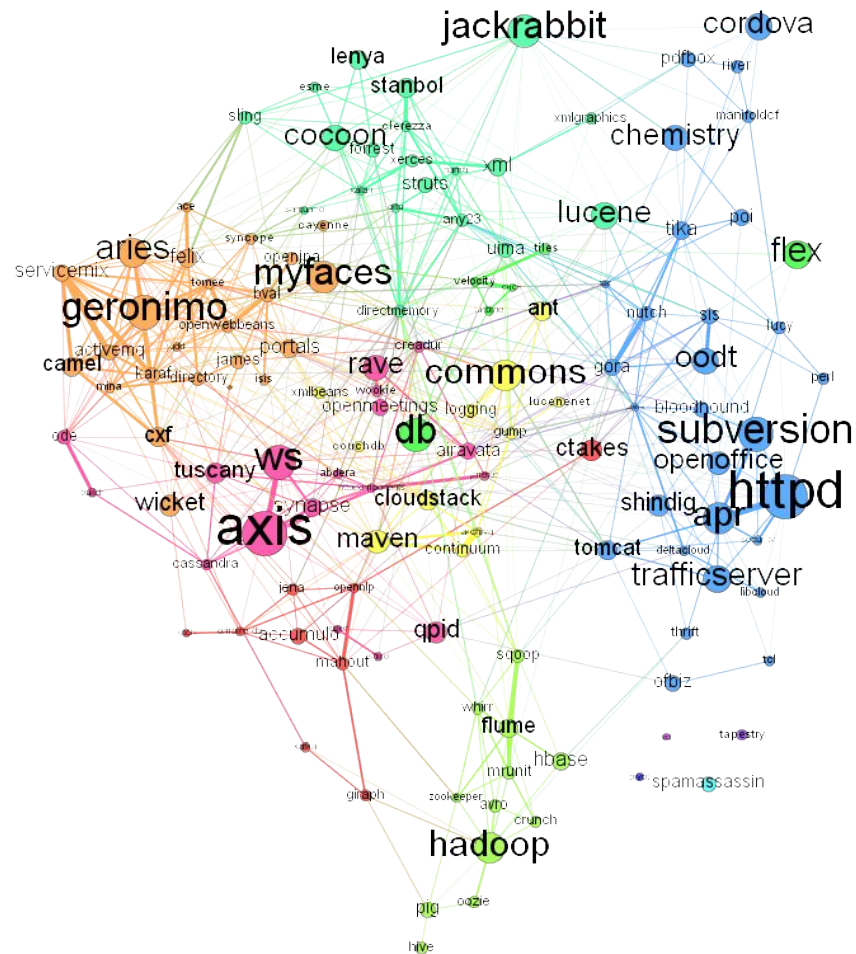
Goals

- What's the ASF?
- How does Incubation work?
- Chance to ask lots of questions
- Chance to meet each other

What is the Apache Software Foundation?

- It started with a single project, the Apache web server (httpd) around 2000
- Needed a non-profit foundation to own the IP
- Has since scaled to over 200 active projects
- Has a 'federal' approach to management – projects have considerable autonomy





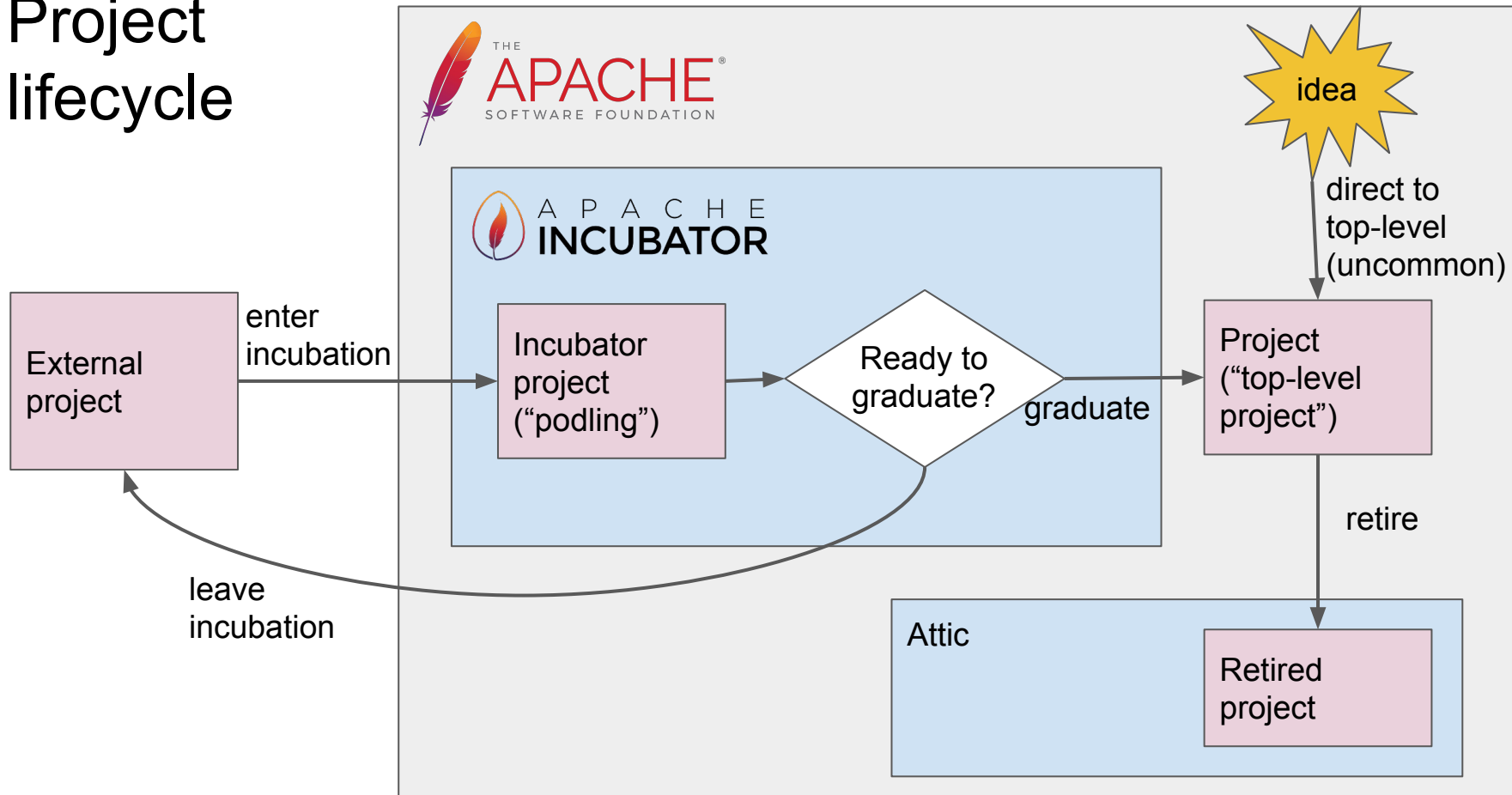
ASF organization & terms

- Board – nine members, not paid, voted yearly by members, meets monthly, converses daily on board@
- Operations – President, VP Infra, VP ApacheCon, VP Marketing & Publicity, etc.
- ASF Member – 1,000 or so people who “own” the Foundation, voted in by members
- INFRA – paid staff who keep things running
- Project – each has a PMC (Project Management Committee), may have several components that it releases
- Incubator – A special project tasked with bringing projects into Apache

People in a project

Community member	Anyone interested in the project!
Contributor	Anyone who has contributed. (Not just code! Documentation, giving talks, testing, logging JIRA cases, asking/answering questions are all contributions)
Committer	A member of the project. Has commit rights. Based on merit.
PMC member	Governs the project. Votes on releases. Based on more merit.
PMC chair (also known as the project VP)	<p>Communicates with the Board. Same powers as any PMC member, but can influence the discussion.</p> <p>Many projects rotate chair yearly. (To avoid BDFL problem.)</p>
Champion	Apache member who proposes a project for incubation
Mentor	~3 Apache members (and IPMC members) who guide a podling

Project lifecycle



Why Incubation?

Learn the Apache Way

Complete various administrative/legal tasks

Make releases

- As practice for being a “real” project
- Because existing community wants regular releases

Community over code: it is not about the quality of your code; it is about the quality of your community

The Apache Way

A democratic model for running open source projects

As a committer or PMC member, you act in the interests of your project

Make decisions on the mailing list

Work by consensus, vote (if necessary) to record the consensus

Respect and merit

Community over code

Releases are a sacred ritual

Reviewing & releasing

Committers review patches (pull requests) of other committers, and review and merge patches from contributors who are not committers

Some projects RTC (review-then-commit), others CTR (commit-then-review), others have no strict policy (trust committers to do the right thing).

A committer may veto a patch with a -1 vote. There must be technical justification. This is divisive and rarely necessary.

Vote for releases on the dev list. Only PMC votes are binding. 3 more +1s than -1s.

Your first release

1. Get the code in good shape (LICENSE, NOTICE, headers, licensing)
2. Choose a release manager (RM)
3. RM creates and signs a release candidate (RC), posts for review, starts an email vote thread
4. Vote on dev@hop.incubator.apache.org (PPMC votes are binding; 3 more +1s than -1s; vote open for ~72 hours)
5. If vote fails, cancel vote, go to step 2
6. Vote on general@incubator.apache.org (IPMC votes are binding; 3 more +1s than -1s; vote open for ~72 hours)
7. If vote fails, cancel vote, go to step 2
8. Announce release

The first incubator release **always takes twice as long** as you think it will. Use your mentors to help you find problems early.

From: Andrei Sereda <a...@sereda.cc>
Subject: [VOTE] Release apache-calcite-1.25.0 (release candidate 0)
Date: 2020/08/09 03:22:28
List: dev@calcite.apache.org

Hi all,

I have created a build for Apache Calcite 1.25.0, release candidate 0. Thanks to everyone who has contributed to this release.

You can read the release notes here:

<https://apache.github.io/calcite-site-preview/docs/history.html>

The commit to be voted upon:

<https://gitbox.apache.org/repos/asf?p=calcite.git;a=commit;h=68b02dfd4af15bc94a91a0cd2a30655d04439555>

Its hash is 68b02dfd4af15bc94a91a0cd2a30655d04439555

Tag: <https://github.com/apache/calcite/tree/calcite-1.25.0-rc0>

The artifacts to be voted on are located here:

<https://dist.apache.org/repos/dist/dev/calcite/apache-calcite-1.25.0-rc0>

The hashes of the artifacts are as follows:

A5e61bd93657a274ee8a1d1ecbde68e3e471fd27b85bea179991b372f094ae3cdf692672245506a08b996534f9136be26569de81af2bb
7d8f026799313957e87 *apache-calcite-1.25.0-src.tar.gz

A staged Maven repository is available for review at:

<https://repository.apache.org/content/repositories/orgapachecalcite-1097/org/apache/calcite/>

Release artifacts are signed with the following key:

<https://people.apache.org/keys/commmitter/sereda.asc>

<https://www.apache.org/dist/calcite/KEYS>

To create the jars and test Apache Calcite: `./gradlew build`.

Please vote on releasing this package as Apache Calcite 1.25.0. The vote is open for the next 72 hours and passes if a majority of at least three +1 PMC votes are cast.

```
[ ] +1 Release this package as Apache Calcite 1.25.0
[ ] 0 I don't feel strongly about it, but I'm okay with the release
[ ] -1 Do not release this package because...
```

Here is my vote: +1 (non binding)

During incubation

- Set up systems
 - Mailing lists, JIRA, git, web site, download directory
- Admin stuff
 - Legal: CLAs (contributor license agreements), transfer IP, trademark check
 - Track tasks in [project status page](#)
- Make releases
- Grow community, appoint committers & PPMC members
- Periodic reports
 - Monthly for the first 3 months, then quarterly
 - Part of the Incubator's report to the Board
 - Written in wiki (e.g. [October2020](#)), discuss on dev@
- Learn from other podlings - subscribe to general@incubator.apache.org

Further resources

- Rich Bowen's [keynote on the Apache Way](#) at MesosCon Europe in 2017
- [Success at Apache](#) blog post
- [Mapping the Apache Software Foundation](#)
- [Hop project status](#)