

# November2019

## FINAL FINAL FINAL - DO NOT EDIT!

NOTE that the content for this month report is in markdown format- please do not remove any formatting characters when adding your reports.

It also best to:

- Keep all lines under **76 characters** long.
- All content under the **###** headings should be indented by **two spaces**.
- Please don't change the text in the headings or add new ones.
- Include a space after a bullet point or full stop on a numbered list.
- Use **[X]** (X and no spaces) to sign off reports.

Please make sure you use the current report and don't copy an old one, the headings do change from time to time.

A script will be run on this report before it is submitted to the board. If your lines are too long it may insert line breaks in unexpected places.

### Reflow

```
fold -w 76 -s $1 | cat -s
```

## Timelinedo

Wed November 06	Podling reports due by end of day
Sun November 10	Shepherd reviews due by end of day
Sun November 10	Summary due by end of day
Tue November 12	Mentor signoff due by end of day
Wed November 13	Report submitted to Board
Wed November 20	Board meeting

## Shepherd Assignments

Dave fisher	<b>DolphinScheduler</b>
Dave Fisher	<b>Pinot</b>
Drew Farris	<b>Heron</b>
Drew Farris	<b>PageSpeed</b>
Justin Mclean	<b>Doris</b>
P. Taylor Goetz	<b>Annotator</b>
P. Taylor Goetz	<b>BatchEE</b>
P. Taylor Goetz	<b>SDAP</b>
Timothy Chen	<b>MesaTEE</b>
Timothy Chen	<b>Toree</b>
	<b>APISIX</b>
	<b>DataSketches</b>

	<b>ECharts</b>
	<b>Ratis</b>
	<b>S2Graph</b>
	<b>Tamaya</b>
	<b>Training</b>
	<b>Tuweni</b>

## Incubator PMC report for November 2019

The Apache Incubator is the entry path into the ASF for projects and codebases wishing to become part of the Foundation's efforts.

This monthly report is in markdown so that it's easier to read. If you are not viewing this in that format, it can be seen here: <https://cwiki.apache.org/confluence/display/INCUBATOR/November2019>

There are presently 48 podlings incubating. In October, podlings executed 13 distinct releases. We added one new IPMC members and no IPMC members retired. There were 5 IP clearances. There were some discussions about the IP clearance process.

We have two new podlings this month Apisix and TubeMQ. StreamPipes will soon to be added. Other project Sparklyr was discussed but decided not to enter incubation due to a large number of GPL licensed dependencies it had. SINGA graduated last month. The Amaterasu project was retired after the PPMC failed to respond to queries about its status. Edgent also retired. Omid and Tephra have decided to "graduate" and become sub-projects of the Phoenix project. A couple of podlings are heading towards graduation in the next few months.

BatchEE has now failed to report twice in a row. Looking at the low activity in the project, it may be time to considering retirement. It seem there was an attempt to transfer the project to Geronimo but It's unknown if that was completed. All other projects reported.

Graduation of Weex was discussed but was withdrawn after the project realised it needed to do some more work around branding and community growth.

Further ongoing work was done on cleaning up the incubator web site, but there are still a number of pages that need to be reviewed and updated.

Podlings have continued to use the new disclaimer policy, and this has reduced the friction in making releases. Extra votes from the wider IPMC community are needed to get the 3 +1 votes, with not all mentors voting on releases.

A new straight to top level project has been proposed called Petri as another way of educating external projects and the Apache Way with the option of them bypassing the Incubator and going straight to being a top level project. It's still under consideration by the board. A FAQ is being worked on, but it currently unknown what impact this might have on the Incubator in the short or long term.

At ApacheCon Europe there was a Podling's Shark Tank, a talk on incubating process and talks involving several incubating projects.

The podling reporting groups have been rearranged so that there is an evener distribution of projects reporting each month.

A couple of mentors were added and removed from projects.

## Community

### New IPMC members:

- Evans Ye

### People who left the IPMC:

- None

## New Podlings

- Apisix
- TubeMQ

## Podlings that failed to report, expected next month

- BatchEE

## Graduations

- SINGA

The board has motions for the following:

- None

## Releases

The following releases entered distribution during the month of October:

- Datasketches hive 1.0.0
- Datasketches java 1.1.0
- Datasketches pig 1.0.0
- Datasketches postgresql 1.3.0
- Doris 0.11.0
- ECharts 4.4.0
- Hudi 0.5.0
- Iceberg 0.7.0
- IoTdb 0.8.1
- Milagro dta 0.1.0
- Superset 0.34.1
- Tuweni 0.9.0
- Weex 0.28.0

## IP Clearance

- ServiceComb toolkit contribution
- ServiceComb osa-validator
- python-dubbo
- NetBeans - dukescrypt presenters
- Weex Loader

## Legal / Trademarks

- N/A

## Infrastructure

- N/A

Table of Contents

[Annotator APISIX](#)  
[DataSketches](#)  
[DolphinScheduler](#)  
[Doris](#)  
[ECharts](#)  
[Heron](#)  
[PageSpeed](#)  
[Pinot](#)  
[Ratis](#)  
[S2Graph](#)  
[SDAP](#)  
[Tamaya](#)  
[Toree](#)  
[Training](#)  
[Tuweni](#)

---

## Annotator

Annotator provides annotation enabling code for browsers, servers, and humans.

Annotator has been incubating since 2016-08-30.

## Three most important unfinished issues to address before graduating:

1. Release initial versions (should happen this week!)
2. Increase activity from current committers and community.
3. Demonstrate good governance through voting and learning the Incubator process (some more).

## Are there any issues that the IPMC or ASF Board need to be aware of?

None at this time.

## How has the community developed since the last report?

Community activity was quiet. However, code is underway for a first release to be ready in the coming week(s) which we hope will increase interest and activity.

## How has the project developed since the last report?

Code for a first release is hoped to be available in the coming days with more community members participating in review and critique. Additionally, work in the W3C's ARIA (accessibility) Working Group and on various browser vendor repositories has highlighted new annotation related activity and opportunity for this project. Sadly, we've mostly failed at raising awareness on the list, so the communities "radar" looks quieter than it should...

## How would you assess the podling's maturity?

Please feel free to add your own commentary.

- Initial setup
- Working towards first release
- Community building
- Nearing graduation
- Other:

## Date of last release:

None yet, but we hope to release before the end of November 2019.

## When were the last committers or PPMC members elected?

No new committers nor PPMC members have been added since the last report.

## Have your mentors been helpful and responsive?

No check-ins with/from/by mentors in the last 4 months, but we should do one over email within this next quarter.

## Signed-off-by:

- (annotator) Nick Kew  
Comments:
- (annotator) Steve Blackmon  
Comments:
- (annotator) Tommaso Teofili  
Comments:

## IPMC/Shepherd notes:

Justin Mclean: Please provide the dates that you last voted in committers and PPMC members even if this hasn't happen in the last reporting period. The project has been 3 years in incubator why has it taken so long to made a release? Can we expect faster progress in the future?

---

## APISIX

APISIX is a cloud-native microservices API gateway, delivering the ultimate performance, security, open source and scalable platform for all your APIs and microservices.

APISIX is based on Nginx and etcd. Compared with traditional API gateways, APISIX has dynamic routing and plug-in hot loading, which is especially suitable for API management under micro-service system.

## Three most important unfinished issues to address before graduating

1. Make an Apache release
2. More committers and PPMC members
3. Branding issues in the documentation, code, website, etc.

## Are there any issues that the IPMC or ASF Board need to be aware of?

None

## How has the community developed since the last report?

- Learning Apache way and its value behind rules, working in Apache way.
- Our Apache website is constructed.
- We have 12 committers and 35 contributors (including 12 committers) contributing to Apache APISIX.
- Over 13 company users have announced that they are using APISIX and more than 50% of them also submitted code or fixed the documentation for APISIX : <https://github.com/apache/incubator-apisix/issues/487>

## How has the project developed since the last report?

The project has been quite health, with ~50 pull requests being merged in October. These pull requests are authored by a diverse set of contributors(~30 authors last month).

Some highlights of recent developments:

- APISIX support etcd V3.
- Supported cluster limit-req and limit-conn.

We are planning to have a 0.9.0 release in November.

## How would you assess the podling's maturity?

Please feel free to add your own commentary.

- Initial setup
- Working towards first release
- Community building
- Nearing graduation
- Other:

## Date of last release:

None

## When were the last committers or PPMC members elected?

No new committers nor PPMC members have been added.

## Have your mentors been helpful and responsive?

Mentors are responsive and helpful. Things tend to be on the right way.

## Signed-off-by:

- (APISIX) Willem Ning Jiang  
Comments: APISIX is growing well and I'm quite impressed.
- (APISIX) Justin Mclean  
Comments:  
Off to a good start.
- (APISIX) Kevin Ratnasekera  
Comments:
- (APISIX) Von Gosling  
Comments:

## IPMC/Shepherd notes:

---

## DataSketches

DataSketches is an open source, high-performance library of stochastic streaming algorithms commonly called "sketches" in the data sciences. Sketches are small, stateful programs that process massive data as a stream and can provide approximate answers, with mathematical guarantees, to computationally difficult queries orders-of-magnitude faster than traditional, exact methods.

DataSketches has been incubating since 2019-03-30.

## Three most important unfinished issues to address before graduating:

1. Finish the transfer and bring-up of our website to [github.com/apache/...](https://github.com/apache/) This is now in process.
2. **Team Interactions:** We want to have our exchanges on the ASF Slack DataSketches-dev channel posted to our [dev@datasketches.a.o](mailto:dev@datasketches.a.o) list on a daily basis for improved visibility and searchability. We have an open INFRA ticket on this issue. We are searching for a solution to provide more

open access to our video conference sessions when we have them. We are in the process of moving more of our interactions into the slack DS-dev channel and dev@ list. This is a culture change for us and will take some getting used to. We clearly want open access to our team discussions.

3. We would like to see a few more folks join our contributors list. We have several folks that have come forward and offered help because they are interested in the project. This is great. It is our hope that they will grow into active contributors.

## Are there any issues that the IPMC or ASF Board need to be aware of?

None

## How has the community developed since the last report?

- We have added 1 new Mentor, Dave Fisher (thank you!) to our project and we have been approached by another Apache member who would also like to be a mentor, and eventually a contributor as well. This is very positive!

## How has the project developed since the last report?

- We have now managed 7 releases, 6 Java releases and 1 C++ release. We have one more C++ release pending. These are across 6 different components of the DataSketches library. With the last pending C++ release, all of the code components targeted for release will be complete.

## How would you assess the podling's maturity?

Please feel free to add your own commentary.

- Initial setup
- Working towards first release
- Community building
- Nearing graduation
- Other:

## Date of last release:

2019-10-19 01:55 GMT DataSketches-pig

## When were the last committers or PPMC members elected?

- Dave Fisher: 16 Sep 2019

## Have your mentors been helpful and responsive?

- Helpful and responsive, Yes.  
Having additional mentors has helped the voting move forward more expeditiously!
- I want to thank Dave Fisher for jumping in and helping us with a number of issues!

## Signed-off-by:

- (datasketches) Liang Chen  
Comments:
- (datasketches) Kenneth Knowles  
Comments:
- (datasketches) Furkan Kamaci  
Comments:
- (datasketches) Dave Fisher  
Comments:

## IPMC/Shepherd notes:

---

## Dolphin Scheduler

Dolphin Scheduler is a distributed and easy-to-expand visual DAG workflow scheduling system dedicated to solving the complex dependencies in data processing, making the scheduling system out of the box for data processing.

Dolphin Scheduler has been incubating since 2019-8-29.

## Three most important unfinished issues to address before graduating:

1. Make first Apache releases (In progress)
2. Fix the content of official website about Non-ASF release and notice.
3. Make more interactive e-mail discussion besides github, wechat

## Are there any issues that the IPMC or ASF Board need to be aware of?

None

## How has the community developed since the last report?

1. Now there are 42 external contributors besides 8 PPMC members who contributes codes to github.
2. We held a offline Meetup in Shanghai. 5 Speakers (including 4 PPMC member and 1 user) gave their presentation. 30 people came and 10 people online watch the meetup.
3. Github star grew from 2291 to 2648 in October.
4. Over 61 company users is willing to announce that he is using Dolphin Scheduler: <https://github.com/apache/incubator-dolphinscheduler/issues/57>

## How has the project developed since the last report?

1. Solid Apache version plan is created and we planed to start a Apache release in November.
2. Some new important feature developed by contributor was merge to project(Docker file, S3 support, Flink job support, job import/export, etc.)
3. 178 issues created 181 PRs merged (from #932 to #1113) .
4. Developers and Contributors are steadily developing the project  
<<https://github.com/apache/incubator-dolphinscheduler/issues/690>

## How would you assess the podling's maturity?

Please feel free to add your own commentary.

- Initial setup
- Working towards first release
- Community building
- Nearing graduation
- Other:

## Date of last release:

None.

## When were the last committers or PPMC members elected?

2019-8-29

## Have your mentors been helpful and responsive?

Yes, our mentors noticed some issue of DolphinScheduler and give useful advice to PPMC especially on first Apache version. I want to thank Wusheng for many good advice for community operation and Apache first release.

## Signed-off-by:

- (dolphinscheduler) Sheng Wu  
Comments:
- (dolphinscheduler) ShaoFeng Shi  
Comments: LGTM
- (dolphinscheduler) Liang Chen  
Comments:
- (dolphinscheduler) Furkan KAMACI  
Comments:
- (dolphinscheduler) Kevin Ratnasekera  
Comments:

## IPMC/Shepherd notes:

Dave Fisher: A good start. Please listen about labeling of non-Apache Releases. I'd like to see discussion on email threads on dev@ in addition to announcements. Listen to Sheng Wu regarding the branding of Events.

---

## Doris

Doris is a MPP-based interactive SQL data warehousing for reporting and analysis.

Doris has been incubating since 2018-07-18.

## Three most important unfinished issues to address before graduating:

1. Continue to build our community. It is glad to see that more developers joined us and became contributors. But we still need more leading developers to join the community who can participate in the discussion of Doris' road map, not just start-up members.
2. Improve the documents and website as well. Currently, most of documents are in Chinese and most of English docs are translated by machine. We are working on it.
3. The discussion on dev mail list is still very few. Most of discussion and decisions are still make in private or in GitHub issues. We should improve the utilization of mailing lists and discuss more public.

## Are there any issues that the IPMC or ASF Board need to be aware of?

None

## How has the community developed since the last report?

1. Now we have 58 contributors, 1 more committers, and 1 committer became PPMC member.
2. 3 more other companies are cooperating with us on developing Doris and try to make Doris as part of their data infrastructure.

## How has the project developed since the last report?

1. We released one new version: 0.11.0.
2. And the website (<http://doris.incubator.apache.org>) is built with more docs, both in Chinese and English version.

## How would you assess the podling's maturity?

Please feel free to add your own commentary.

- Initial setup
- Working towards first release
- Community building
- Nearing graduation
- Other:

## Date of last release:

2019-10-29: Apache Doris (incubating) 0.11.0

## When were the last committers or PPMC members elected?

Ling Miao: New Committer 2019-08-28 Kaisen Kang: New PPMC 2019-09-20

## Have your mentors been helpful and responsive?

Dave Fisher helped us a lot, such as Release process, and mail management. Willem helped us to build english website, nominate new committer and PPMC. All mentors helped us to verify our release.

## Signed-off-by:

- (doris) Dave Fisher  
Comments: Having discussions on dev@ is a critical improvement. Focus on that for the next three months.
- (doris) Willem Ning Jiang  
Comments: We still need to improve the public discussion.
- (doris) Shao Feng Shi  
Comments:

## IPMC/Shepherd notes:

Justin Mclean: It would seem you could solve the first issue listed in the three issues before graduation, by working on the other 2 issues listed?

---

## ECharts

ECharts is a charting and data visualization library written in JavaScript.

ECharts has been incubating since 2018-01-18.

## Three most important unfinished issues to address before graduating:

1. Solve CDN issue and redirect echarts.baidu.com to echarts.apache.org.
2. Vote for more PPMC and bring diversity to it.
3. Check tutorials and other documents to make sure users can find what they need, and the information is up-to-date. Keep the content of Chinese version and English version to be the same.

## Are there any issues that the IPMC or ASF Board need to be aware of?

We are still working on the Website speed problem before we can transfer it to Apache server. We are trying the CDN as suggested by Dave and York Shen. It may take several days before we can get conclusion. If this works, we will ask the infra for help with this CDN, if not, we should find other solutions. Currently, we put a banner stating "Apache ECharts is an effort undergoing incubation at The Apache Software Foundation (ASF), sponsored by the Apache Incubator. We are working on redirecting this Website to <https://echarts.apache.org>. You may visit our new official Website now.". Hopefully, this can help with the branding before we do the redirection.

## How has the community developed since the last report?

1. We got more contributors from the community. Last month alone, there are more than 10 non-committer contributors whose pull requests were merged in incubator-echarts project or doc project.
2. The mailing list has been much more active these months. We are publicly discussing issues, monthly release plans, future plans and so on. And more people asked for help and have their problem solved from the mailing list.
3. We are using social medias like YouTube, Twitter and Medium to help promote our project internationally and grow the community.
4. We used labels to state the difficulty of fixing to make it easier for contributors to find bugs that are supposed to be fixed by beginners.

## How has the project developed since the last report?

We have released 2 versions since the last report and we are working on the vote of the third one these days. We have formed a monthly release procedure and made the process public.

We made an automatic visual test framework, so that the testing job can be made more easily and more bugs can be found during pull request or testing stage before release.

## How would you assess the podling's maturity?

Please feel free to add your own commentary.

- Initial setup
- Working towards first release
- Community building
- Nearing graduation
- Other:

## Date of last release:

2019-10-15

## When were the last committers or PPMC members elected?

2019-10-16

## Have your mentors been helpful and responsive?

Yes. They helped us a lot on the Website and suggestion of how to grow our community.

## Signed-off-by:

- (echarts) Kevin A. McGrail  
Comments: Continuing to make good and steady progress!
- (echarts) Dave Fisher  
Comments: Making progress. Looking forward to the resolution of the CDN issues.
- (echarts) Ted Liu  
Comments:
- (echarts) Sheng Wu  
Comments: Project PPMC has made a good progress toward the Apache way. Look forward you could make the community more active and diversity.

## IPMC/Shepherd notes:

---

### Heron

A real-time, distributed, fault-tolerant stream processing engine.

Heron has been incubating since 2017-06-23.

## Three most important unfinished issues to address before graduating:

1. Fixing issues with licensing in the repo. [mostly done]
2. Making several Releases. [two src only releases so far]
3. Updating the heron documentation site [mostly done]

## Are there any issues that the IPMC or ASF Board need to be aware of?

- n/a

## How has the community developed since the last report?

- The community is gradually growing.
- Community support is growing in conversations via email and slack.
- Monthly meetups have been regularly and successfully organized.
- We are working to increasing activity in the Apache mailing lists.

## How has the project developed since the last report?

There have been bug fixes and feature improvements. Some to note are:

- Documentation updates
- License fixes
- Two phase commit support
- UI improvements
- Optimization
- New improvement proposals

## How would you assess the podling's maturity?

Please feel free to add your own commentary.

- Initial setup
- Working towards first release
- Community building
- Nearing graduation
- Other:

## Date of last release:

- 2019-10-31 0.20.2-incubating-rc1.
- The release has been created in the repo.
- New committers are learning the process as they work through this release.
- It is currently in flight still a new release vote has not been sent out as of 2019/11/04

## When were the last committers or PPMC members elected?

- Two new committers (Xiaoyao Qian, Siming Weng) were elected and invited on Oct 18th, 2019. No new PPMC members were elected.

## Have your mentors been helpful and responsive?

- Yes, we have got some suggestions from mentors. They have been helpful and responsive.

## Signed-off-by:

- (heron) Jake Farrell  
Comments:
- (heron) Julien Le Dem  
Comments:
- (heron) P. Taylor Goetz  
Comments:
- (heron) Dave Fisher  
Comments: Voting on New PPMC members and committers is nearly complete.

## IPMC/Shepherd notes:

---

## MesaTEE

MesaTEE is the next-gen solution to enable general computing service for security-critical scenarios. It will allow even the most sensitive data to be securely processed to enable offshore businesses without leakage.

MesaTEE has been incubating since 2019-08-19.

### Three most important unfinished issues to address before graduating:

1. Finish the initial setup for MesaTEE and its sub-repos.
2. Choose a suitable name for MesaTEE and rename the repos.
3. Make the access control mechanism and RPC framework more scalable and ergonomic.

### Are there any issues that the IPMC or ASF Board need to be aware of?

Regarding to the CI system, we do have some problem with migrating the webhooks. Currently the CI system is managed using drone, an open-sourced CI infrastructure. It requires R+W access to the Github organization to set up the webhooks. However, the INFRA team does not grant W access to 3rd party infrastructure. Should we migrate to Github Action, or try to get a way to keep using drone? We started a discussion in dev mailing list, but the answer from mentor differs from the answer from INFRA team.

The bootstrapping process seems slow due to the above problem. If we cannot find a way to properly set up the CI system, we cannot merge any codes after the repo transfer completed. To this end, we are doing our best on fitting into Github Action.

Lack of communication in dev mailing list. We, the PPMC members, realized that we cannot only talk offline. So we are starting to use the dev mailing list for discussion and issue tracking, and we received lots of comments and feedbacks from mentors. Next time I think we will do better on the collaboration and be more interactive with the lovely mentors.

Since Baidu does not donate the brand name "MesaTEE" to ASF, we need a new brand name. To solve this, PODLINGNAMESEARCH issue 169 is initiated one month ago. And recently the discussion on new name seems come to an conclusion in dev mailing list. The next step is to do the rename as discussed.

### How has the community developed since the last report?

Now we have 12 contributors for MesaTEE main repo, and 16 contributors for MesaTEE-SGX. Since the first day of incubation, MesaTEE merged 3 PRs from the community, and MesaTEE-SGX merged 7 PRs from the community.

### How has the project developed since the last report?

Since the MesaTEE project joined incubator, we improved its build system, SDK, CLI, and fit it to the latest Intel SGX SDK v2.6. MesaTEE-SGX and its ecosystem has been periodically updated so as to eliminate bugs/vulnerabilities from 3rd party libraries.

We just finished repo transfer for MesaTEE-SGX, and we are still working on repo transfer for MesaTEE main repo.

It is worth mention that the comprehensive tests of MesaTEE and MesaTEE-SGX helped finding bugs in their dependencies, and we managed to fix them in upstream libraries. One case is the "official" numeric library family of Rust ecosystem: rust-num. It's build script did not work well with MesaTEE's build system and we filed [num-traits issue 139](#). Then we fixed in [PR 140](#). More fixes in this family are pending to merge. Another case is in the official Intel SGX SDK. MesaTEE-SGX's CI reported failure after migrating to Intel SGX SDK v2.7 release. We created [linux-sgx issue 457](#) and Intel resolved it a week later in [PR 461](#).

### How would you assess the podling's maturity?

Please feel free to add your own commentary.

- Initial setup
- Working towards first release
- Community building
- Nearing graduation
- Other:

### Date of last release:

N/A

### When were the last committers or PPMC members elected?

N/A

### Have your mentors been helpful and responsive?

Luciano helped us a lot. He helped with catching up the schedule and the SGA. We learned a lot from him and started managing MesaTEE in Apache's style.

Zhijie Shen helped us a lot with the initial setup, such as signing the iCLA, account creation, mailing lists.

Justin Mclean helped us a lot on this report. We received a lot of feedbacks from him and we updated this report according to these comments. These comments are really helpful and make us realize how to work in the Apache way. Thanks Justin!

We appreciate the help from the mentor group. Mentors are really professional and helpful!

### Signed-off-by:

- (MesaTEE) Felix Cheung  
Comments:
- (MesaTEE) Furkan Kamaci  
Comments:
- (MesaTEE) Jianyong Dai  
Comments:
- (MesaTEE) Luciano Resende  
Comments: For the rename, I would recommend only performing the rename after a namesearch is completed. Please close the old one, and create a new one for the new name.
- (MesaTEE) Matt Sicker  
Comments:
- (MesaTEE) Zhijie Shen  
Comments:

### IPMC/Shepherd notes:

---

## PageSpeed

PageSpeed represents a series of open source technologies to help make the web faster by rewriting web pages to reduce latency and bandwidth.

PageSpeed has been incubating since 2017-09-30.

### Three most important unfinished issues to address before graduating:

1. Produce first release
2. Grow the number of active developers

### Are there any issues that the IPMC or ASF Board need to be aware of?

We need more IPMC votes on a proposed release candidate which has passed our own PMC review.

### How has the community developed since the last report?

User-activity is healthy as always. Developer activity is still limited to the original contributor group, plus recently a new committer (lofesa@).

### How has the project developed since the last report?

- There is a release staged in review with some good fixes & features.
- Work on modernizing the project's build system has progressed well.
- Also, there is a PoC for running PageSpeed via Envoy, which opens a great path towards materializing a 2.0 version.

### How would you assess the podling's maturity?

Please feel free to add your own commentary.

- Initial setup
- Working towards first release
- Community building
- Nearing graduation
- Other:

### Date of last release:

None.

### When were the last committers or PPMC members elected?

May 27 2019 (Longinos Ferrando, elected as both committer and PMC member)

### Have your mentors been helpful and responsive?

No answer.

## Signed-off-by:

- (pagespeed) Jukka Zitting  
Comments:
- (pagespeed) Leif Hedstrom  
Comments:
- (pagespeed) Nick Kew  
Comments:
- (pagespeed) Phil Sorber  
Comments:

## IPMC/Shepherd notes:

Justin Mclean: I think you may have a misunderstanding about the release process, you need to post to general to get IPMC votes on releases.

---

## Pinot

Pinot is a distributed columnar storage engine that can ingest data in real-time and serve analytical queries at low latency.

Pinot has been incubating since 2018-10-17.

## Three most important unfinished issues to address before graduating:

1. Streamline Pinot releases (currently blocked due to helix bugs)
2. More commits from wider community

## Are there any issues that the IPMC or ASF Board need to be aware of?

No

## How has the community developed since the last report?

Multiple design and code checkins from the community:

1. Parquet/ORC support for ingestion
2. Better integration with Kubernetes
3. (In progress) Null value support
4. Other contributions
  - <https://github.com/apache/incubator-pinot/pull/4770>
  - <https://github.com/apache/incubator-pinot/pull/4615>
  - <https://github.com/apache/incubator-pinot/pull/4750>
  - <https://github.com/apache/incubator-pinot/pull/4571>
  - <https://github.com/apache/incubator-pinot/pull/4293>
  - <https://github.com/apache/incubator-pinot/pull/4020>
  - <https://github.com/apache/incubator-pinot/pull/3977>

## How has the project developed since the last report?

1. Significant progress in SQL support (distinct, order by)
2. Completed design of schema updates, implementation starting
3. Progress in design of realtime segment completion, some implementation

## How would you assess the podling's maturity?

Please feel free to add your own commentary.

- Initial setup
- Working towards first release
- Community building
- Nearing graduation
- Other:

## Date of last release:

2019-02-15

## When were the last committers or PPMC members elected?

No answer.

## Have your mentors been helpful and responsive?

No answer.

## Signed-off-by:

- (pinot) Kishore Gopalakrishna  
Comments:
- (pinot) Jim Jagielski  
Comments:
- (pinot) Roman Shaposhnik  
Comments:
- (pinot) Olivier Lamy  
Comments:
- (pinot) Felix Cheung  
Comments: good progress.. how can we grow more committers? also dev@ traffic is very light - only 9 threads in the last 3 months.

## IPMC/Shepherd notes:

Dave Fisher - I see the start of a VOTE for a committer on private@ There has been no response from other PPMC members. That is disappointing. This could be because most of the PPMC members are not subscribed to private@. This includes one of the Mentors who signed off on the report.

Justin Mclean: The items listed under community development seem more about project development. How has the community developed? I'd also like to see answer to all questions, it make it hard to judge process and for us to help if information is not supplied.

---

## Ratis

Ratis is a java implementation for RAFT consensus protocol

Ratis has been incubating since 2017-01-03.

## Three most important unfinished issues to address before graduating:

1. Podling name search.
2. Complete graduation template
3. Expand PPMC members

## Are there any issues that the IPMC or ASF Board need to be aware of?

None

## How has the community developed since the last report?

- 4 new contributors. 65 contributors in total.
- 1 new committer
- 1 new PPMC members
- Total 22 committers and PPMC members.

## How has the project developed since the last report?

60 commits. Version 0.4.0 released.

## How would you assess the podling's maturity?

Please feel free to add your own commentary.

- Initial setup
- Working towards first release
- Community building
- Nearing graduation
- Other:

## Date of last release:

2019-09-19

## When were the last committers or PPMC members elected?

- 09/11/2019 - Ankit Singhal as Committer

- 09/13/2019 - Shashikant Banerjee as PPMC member

## Have your mentors been helpful and responsive?

No answer.

### Signed-off-by:

- (ratis) Jakob Homan  
Comments:
- (ratis) Uma Maheswara Rao G  
Comments:
- (ratis) Devaraj Das  
Comments:

### IPMC/Shepherd notes:

---

## S2Graph

S2Graph is a distributed and scalable OLTP graph database built on Apache HBase to support fast traversal of extremely large graphs.

S2Graph has been incubating since 2015-11-29.

### Three most important unfinished issues to address before graduating:

1. Make the third release.
2. Attract more users and contributors.
3. Build the developer community in both size and diversity.

### Are there any issues that the IPMC or ASF Board need to be aware of?

None

### How has the community developed since the last report?

- Not much activities.
- There was a meetup with active committers and a mentor to discuss how to grow the community. Summary in @dev list: [1] <https://lists.apache.org/thread.html/39e014ba2f345557dbc3351a62a158b9c20a10155f356308a70e6a3d@%3Cdev.s2graph.apache.org%3E>

### How has the project developed since the last report?

- No issues has been resolved.

### How would you assess the podling's maturity?

Please feel free to add your own commentary.

- Initial setup
- Working towards first release
- Community building
- Nearing graduation
- Other:

### Date of last release:

2017-08-26

### When were the last committers or PPMC members elected?

2019-02-05

### Have your mentors been helpful and responsive?

- Our mentor is very helpful and responsive.

### Signed-off-by:

- (s2graph) Sergio Fernández

Comments:

- (s2graph) Woonsan Ko

Comments: In my visit in Seoul, I met the three active committers - Daewon, Do Yung and Hwansung - over lunch, chatting informally face-to-face for the first time about how to grow our community. There has not been much project / community activity for last 1 year, but they were passionate to stay in the community and started reorganizing their work/time, trying to improve developer's experience and accessibility, considering to support Java Client or even Spring Boot for new people, by which they believe they can help grow the community. There's no specific decision made yet but we agreed to continue discussion in the mailinglist. It was great for me as a mentor too to understand each other. See [1] for detail.

## IPMC/Shepherd notes:

---

### SDAP

SDAP is an integrated data analytic center for Big Science problems.

SDAP has been incubating since 2017-10-22.

### Three most important unfinished issues to address before graduating:

1. Make official SDAP (Incubating) Release
2. Improve/create user guide documentation
3. Improve committer participation

### Are there any issues that the IPMC or ASF Board need to be aware of?

No.

### How has the community developed since the last report?

Interest in the project has increased after presentation at ApacheCon. New #sdap channel created on the-asf.slack.com

### How has the project developed since the last report?

Frank Greguska attended ApacheCon NA and presented an overview of SDAP.

Discussion about what is necessary to produce a release were beneficial and the path forward is clear. Goal is to get a source release before the end of the year.

### How would you assess the podling's maturity?

There are several deployments of SDAP actively being used and interest is high. However, active participation from project members is low. First source release should be coming soon.

Please feel free to add your own commentary.

- Initial setup
- Working towards first release
- Community building
- Nearing graduation
- Other:

### Date of last release:

XXXX-XX-XX

### When were the last committers or PPMC members elected?

Maya Debellis was elected as a committer on 2019-02-08

### Have your mentors been helpful and responsive?

Yes, Trevor has been helpful and responsive. Have not heard from Jörn recently.

### Signed-off-by:

- (sdap) Jörn Rottmann  
Comments:
- (sdap) Trevor Grant  
Comments:

## IPMC/Shepherd notes:

---

### Tamaya

Tamaya is a highly flexible configuration solution based on an modular, extensible and injectable key/value based design, which should provide a minimal but extendible modern and functional API leveraging SE, ME and EE environments.

Tamaya has been incubating since 2014-11-14.

### Three most important unfinished issues to address before graduating:

1. Finish getting our release candidate out.
2. Grow the PPMC from the existing community.
3. Blog and publish more about Tamaya.

### Are there any issues that the IPMC or ASF Board need to be aware of?

Release candidate vote is still pending (2 more +1 votes are needed to get the RC out).

### How has the community developed since the last report?

No changes, Julian helped out as a new mentor.

### How has the project developed since the last report?

Started forging a new release, had 5 RC.

### How would you assess the podling's maturity?

Please feel free to add your own commentary.

- Initial setup
- Working towards first release
- Community building
- Nearing graduation
- Other:

### Date of last release:

2017-05-28 0.3-incubating

### When were the last committers or PPMC members elected?

- 2018-12: Aaron Coburn
- 2018-12: William Lieurance

### Have your mentors been helpful and responsive?

New mentor Julian is very helpful as he is present to help out and guide.

### Signed-off-by:

- (tamaya) John D. Ament  
Comments:
- (tamaya) David Blevins  
Comments:
- (tamaya) Kanchana Pradeepika Welagedara  
Comments:
- (tamaya) Julian Feinauer  
Comments:

## IPMC/Shepherd notes:

Justin Mclean: I can see the RC vote issues has been resolved. Sometimes a little patience is needed to get votes on releases. Be sure to ping your mentors first and make sure they vote.

---

## Toree

Toree provides applications with a mechanism to interactively and remotely access Apache Spark.

Toree has been incubating since 2015-12-02.

### Three most important unfinished issues to address before graduating:

1. Increase active contributors 2. 3.

### Are there any issues that the IPMC or ASF Board need to be aware of?

None

### How has the community developed since the last report?

Toree was presented at ApacheCon Las Vegas with a good set of users/contributors present to the talk. On the community side, a few contributions coming on around making the current implementation a little more flexible for concurrent code as well as support for Spark 2.4 and Scala 2.12.

### How has the project developed since the last report?

Slow, but steady stream of issues and PRs.

### How would you assess the podling's maturity?

Please feel free to add your own commentary.

- Initial setup
- Working towards first release
- Community building
- Nearing graduation
- Other:

### Date of last release:

2018-11-13

### When were the last committers or PPMC members elected?

Kevin Bates was added to the PPMC on 2019-08-14

### Have your mentors been helpful and responsive?

There was nothing requiring mentor intervention on the last quarter.

### Signed-off-by:

- (toree) Luciano Resende  
Comments:
- (toree) Julien Le Dem  
Comments:
- (toree) Ryan Blue  
Comments: Does the community plan to do another release? It's been nearly a year since the last. With a "slow, but steady stream of issues and PRs" I suspect that some of those contributors would like to get a released version with their contributions. For this community, it may be a good idea to consider time-based releases to ensure that contributors get to use their contributions in an official release.

### IPMC/Shepherd notes:

---

## Training

The Training project aims to develop resources which can be used for training purposes in various media formats, languages and for various Apache and non-Apache target projects.

Training has been incubating since 2019-02-21.

### Three most important unfinished issues to address before graduating:

1. Promote the information about Apache Training Project with increased participation from community
2. Take the technology stack to become more user-friendly

3. Scout for more content and ingest it in the project

## Are there any issues that the IPMC or ASF Board need to be aware of?

no critical issues at this point in time

## How has the community developed since the last report?

- The dev mailing list is active. Community is gaining traction with new contributors getting added to Apache Training project.
- The total number of posts in August 60, September 94, October 174. In October, some new contributors have started active discussions on the Training project. There are ongoing discussions to use Docker, and new kind of review commit model for content contribution.
- We created JIRA contributors group.

## How has the project developed since the last report?

- We added more content to the Training project. E.g. Spark slides, Apache Ignite intro slides, Github workshop slides, ApacheCon slides
- We also added a GitHub puzzle to Training content.
- We initiated work to Dockerize the tools used in project.
- We started new policy for reviewing content contribution.
- We have delivered our first release during which we ironed out a few issues.
- The release contains the training slides in AsciiDoctor, so that these can be run as slideshow.
- The release followed the voting process and was made available on Github for general public.
- There were multiple talks about the Training project at both ApacheCons this year

## How would you assess the podling's maturity?

Please feel free to add your own commentary.

- Initial setup
- Working towards first release
- Community building
- Nearing graduation
- Other:

## Date of last release:

2019-10-04: Apache Training (incubating) - Navigating the ASF Incubator Process 1.0, Announce <https://s.apache.org/9g5fl> It can be viewed online here: <https://s.apache.org/t4h7v>

## When were the last committers or PPMC members elected?

n.a.

## Have your mentors been helpful and responsive?

Mentors were responsive. Things are not falling through the cracks.

## Signed-off-by:

- (training) Craig Russell  
Comments:
- (training) Christofer Dutz  
Comments:
- (training) Justin Mclean  
Comments:  
I'm concerned that lack of activity by the PPMC is resulting in slower community growth.
- (training) Lars Francke  
Comments:

## IPMC/Shepherd notes:

---

### Tuweni

Tuweni is a set of libraries and other tools to aid development of blockchain and other decentralized software in Java and other JVM languages.

Tuweni has been incubating since 2019-03-25.

## Three most important unfinished issues to address before graduating:

1. Building community
2. Building a roadmap for the next few major releases
3. Perform the last checks for official releases wrt crypto

### **Are there any issues that the IPMC or ASF Board need to be aware of?**

No issues.

### **How has the community developed since the last report?**

We have had more contributions from at least one developer.

### **How has the project developed since the last report?**

We have successfully released 0.9, with a nice participation of the existing developer community.

### **How would you assess the podling's maturity?**

Please feel free to add your own commentary.

- Initial setup
- Working towards first release
- Community building
- Nearing graduation
- Other:

### **Date of last release:**

2019-10-16

### **When were the last committers or PPMC members elected?**

Gordon Martin as committer on 2019-08-01.

### **Have your mentors been helpful and responsive?**

Yes, very much so, thank you!

### **Signed-off-by:**

- (tuweni) Jim Jagielski  
Comments:
- (tuweni) Kenneth Knowles  
Comments:
- (tuweni) Jean-Baptiste Onofré  
Comments: I plan to take a deeper look on code soon, and see interactions with other communities.
- (tuweni) Michael Wall  
Comments: Currently working on growing community.
- (tuweni) Furkan Kamaci  
Comments:

### **IPMC/Shepherd notes:**