

# September 2018

## Incubator PMC report for September 2018

\*\* FINAL - DO NOT EDIT \*\*

### Timeline

Wed September 05	Podling reports due by end of day
Sun September 09	Shepherd reviews due by end of day
Sun September 09	Summary due by end of day
Tue September 11	Mentor signoff due by end of day
Wed September 12	Report submitted to Board
Wed September 19	Board meeting

### Shepherd Assignments

Dave Fisher		Pony Mail
Dave Fisher		Tephra
Drew Farris		Omid
Drew Farris		S2Graph
John Ament		Doris
John Ament		SkyWalking
Justin Mclean		Gearpump
P. Taylor Goetz		Hivemall
P. Taylor Goetz		Superset
P. Taylor Goetz		Toree
Timothy Chen		Crail
Timothy Chen		OpenWhisk
Timothy Chen		Warble
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## Report content

Incubator PMC report for September 2018

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

There are presently 52 podlings incubating. During the month of August, podlings executed 8 distinct releases and there are several ongoing votes on releases for September. Some long standing release votes were resolved. We added three new IPMC members.

Several podlings are heading towards graduation. We had one project, Gossip, retire to the attic. BatchEE seems stuck in performing the last graduation steps and needs some nudging over the line.

There were no IP clearances.

A number of podlings (3) that didn't report has decreased and Pony Mail has finally reported. Senssoft has some issues that stopped it from reporting but they are currently being addressed. Milagro has missed several reports in a row and has failed to respond to queries to why this has occurred. Gearpump have indicated they are discussing retiring.

Discussion continues about with to do about missing mentors and some actions should be taken in the next month including contacting mentors and asking if they still want to continue in the role. This may result in a number of mentors needing to be replaced, and currently it is not known what mentor capacity the IPMC has. We've had a number of members join the IPMC to mentor projects this month which is encouraging. Given the low levels of activity on some projects (as indicated by sign off rates and a sampling of email list activity) this is a serious issue for the IPMC.

There's also been discussion on some podlings spending too long in incubation and hopefully that will lead to a few more graduations and retirements in the near future.

Changes have been suggested to the podling report and incubator proposal template that should help in small ways with the above situations.

A podling, Superset, has been making releases not in line with the Apache release policy. I've asked the podling to correct this and it's mentors are helping out with this and other issues. The podling has been almost 2 years in incubation and has made a large number of "unofficial" releases (50+).

\* Community

New IPMC members:

- Andriy Redko
- Christofer Dutz
- William Colen

People who left the IPMC:

None

\* New Podlings

- Zipkin
- DLab
- Marvin-AI

\* Podlings that failed to report, (perhaps) expected next month

- Gearpump (discussing retirement)
- Milagro (no response missing multiple reports in a row)

\* Graduations

None this month.

\* Releases

The following releases entered distribution during the month of August:

- ServiceComb Chassis 1.0.0
- ServiceComb Service-Centre 1.0.0
- Pulsar 2.1.0
- Echarts 4.1.0
- Toree 0.2.0
- Openwhisk CLI 0.9.0
- Airflow 1.10.0
- Unomi 1.3.0

\* IP Clearance

None

\* Legal / Trademarks

No issues or discussions.

\* Infrastructure

No issues.

\* Miscellaneous

- Gossip podling was retired.
- HAWQ graduated to TLP last month.
- A DRAT prototype can be found here (<http://drat-vm.apache.org:8080/proteus-new/>)

\* Credits

None

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Airflow

Airflow is a workflow automation and scheduling system that can be used to author and manage data pipelines.

Airflow has been incubating since 2016-03-31.

Three most important issues to address in the move towards graduation:

1. Once we make a release with the licensing fix we will move forward with graduation.
- 2.
- 3.

Any issues that the Incubator PMC (IPMC) or ASF Board wish/need to be aware of? None

How has the community developed since the last report?

1. Since our last podling report 1 month ago (i.e. between August 5 & September 4, inclusive), we grew our contributors from 512 to 548 (36 new contributors)
2. Since our last podling report 1 month ago (i.e. between August 5 & September 4, inclusive), we resolved 129 pull requests (currently at 2963 closed PRs)
3. Since being accepted into the incubator, the number of companies officially using Apache Airflow has risen from 30 to 193, 10 new from the last podling report 1 month ago.

How has the project developed since the last report?

See above : 129 PRs resolved, 36 new contributors, & 10 new companies officially using it. We also released 1.10.0, our 4th Apache Release while in the incubator as seen on <https://pypi.org/project/apache-airflow/#history>

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:

2018-08-27

When were the last committers or PPMC members elected?

Kaxil Naik on May 7 & Tao Feng on Aug 3

Signed-off-by:

- (airflow) Chris Nauroth  
Comments:
- (airflow) Hitesh Shah  
Comments:
- (airflow) Jakob Homan  
Comments:

IPMC/Shepherd notes:

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Annotator

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

Annotator has been incubating since 2016-08-30.

Three most important issues to address in the move towards graduation:

1. Expanding the PMC
2. Establishing a regular release cadence
3. Engaging the broader community

Any issues that the Incubator PMC (IPMC) or ASF Board wish/need to be aware of?

The project was mostly idle the second half of the summer, with active maintainers consumed by travel and other obligations, and missed board reports.

How has the community developed since the last report?

- The PMC and contributors met face to face at the I Annotate conference in San Francisco
- The project is seeing more frequent cloning and forking

How has the project developed since the last report?

- The project packaged a pre-release for developer testing
- The website now incorporates a demo thanks to a new contributor

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?

2018-06-06: gerben

Signed-off-by:

- (annotator) Nick Kew  
Comments: Report above explains low activity. Mostly seems to be happening @github.
- (annotator) Brian McCallister  
Comments:
- (annotator) Daniel Gruno  
Comments: Project seems to be in hiatus. Might be worth discussing very soon what their options are, or if they are okay with this activity level.
- (annotator) Jim Jagielski  
Comments: Not sure whether it makes sense for this podling to continue at this activity level

IPMC/Shepherd notes:

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Crail

Crail is a storage platform for sharing performance critical data in distributed data processing jobs at very high speed.

Crail has been incubating since 2017-11-01.

Three most important issues to address in the move towards graduation:

1. Community building: attract additional contributors from different companies/affiliations + Crail deployments
2. Increase visibility / PR
3. Harden the code and improve stability and usability

Any issues that the Incubator PMC (IPMC) or ASF Board wish/need to be aware of?

\* None

How has the community developed since the last report?

\* A twitter account "@ApacheCrail" was recently created

How has the project developed since the last report?

- \* Container support made available
- \* Improved failure handling (more meaningful error messages)
- \* Improved documentation
- \* Working towards second release
- \* Constant activities on bug fixes, quality improvements and additional features at <https://github.com/apache/incubator-crail>

How would you assess the podling's maturity?

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

Date of last release:

5/28/2018

When were the last committers or PPMC members elected?

2017-11-01 (entering incubation)

Signed-off-by:

- (crail) Julian Hyde  
Comments: The project is healthy and making good progress. As noted, community building is the main challenge now. The technology is in good shape, so I believe people will start adopting. I am very pleased that they have created a twitter account; it should allow them to build community daily.
- (crail) Luciano Resende  
Comments:
- (crail) Raphael Bircher  
Comments:

IPMC/Shepherd notes:

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Daffodil

Apache Daffodil is an implementation of the Data Format Description Language (DFDL) used to convert between fixed format data and XML/JSON.

Daffodil has been incubating since 2017-08-27.

Three most important issues to address in the move towards graduation:

1. Increase community growth and participation
2. Establish a frequent release schedule

3. Work with other Apache projects where Daffodil could provided extra functionality

Any issues that the Incubator PMC (IPMC) or ASF Board wish/need to be aware of?

- None, though an extra mentor would be beneficial. We currently only have 2 mentors.

How has the community developed since the last report?

- Received and merged new features from two new outside users  
- Mike Beckerle was accepted for a talk on Daffodil at ApacheCon  
- Steve Lawrence was accepted for a talk on Daffodil at a local Meetup

How has the project developed since the last report?

- Second release as an Apache incubator was completed (version 2.2.0)  
- 42 commits from 6 different developers, including fairly large features and refactoring  
- 22 issues created, 49 issues 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:

2018-09-05

When were the last committers or PPMC members elected?

- None, same as project incubation

Signed-off-by:

(daffodil) John D. Ament  
Comments: Agree with Dave on all points.  
 (daffodil) David Fisher  
Comments: Development is going well. Community building will need some focus. The podling could use an additional Mentor.

IPMC/Shepherd notes:

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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 issues to address in the move towards graduation:

1. Finish the transfer of the repository
2. Prepare and set up the website for project.
3. Set up and start to develop by Apache infrastructure and tools.

Any issues that the Incubator PMC (IPMC) or ASF Board wish/need to be aware of?

N/A.

How has the community developed since the last report?

The SGA has been received by the Secretary.

All of the initial committers have filled their ICLA and accounts are created.

How has the project developed since the last report?

N/A.

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.

Signed-off-by:

- (doris) Dave Fisher  
Comments: The repository in GitHub is just about ready.
- (doris) Luke Han  
Comments:
- (doris) Willem Jiang  
Comments:

IPMC/Shepherd notes:

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Druid

Druid is a high-performance, column-oriented, distributed data store.

Druid has been incubating since 2018-02-28.

Three most important issues to address in the move towards graduation:

1. Plan and execute our first Apache release.
2. Move the website to Apache infrastructure.
3. Expanding the community and adding more committers

Any issues that the Incubator PMC (IPMC) or ASF Board wish/need to be aware of?

- None.

How has the community developed since the last report?

- A healthy, constant flow of bug fixes, quality improvements and new features are still ongoing at <https://github.com/apache/incubator-druid>.

How has the project developed since the last report?

- We have renamed our packages from `io.druid.` to `org.apache.druid`, and we are currently working on updating our NOTICE file.
- We expect to do a code freeze for our first incubating release, 0.13.0-incubating, within the next two weeks.
- Since the last report there have been 61 commits from 16 individuals.
- We have released 0.12.2, a non-incubator bugfix release.
- We are making a 0.12.3 bugfix release to address certain bugs found after 0.12.2 was 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:

- Druid 0.12.2 on 2018-08-09 (non-Apache release)
- No official Apache release yet since beginning Apache Incubation

When were the last committers or PPMC members elected?

- Project is still functioning with the initial set of committers.

Signed-off-by:

(druid) Julian Hyde

Comments: The first release will be an important milestone. (During incubation the project has made non-ASF releases, with permission.) All other aspects of the project are functioning well; the project has built a vibrant community and lets the community drive its decision-making. I think it is not far from graduating.

(druid) P. Taylor Goetz

Comments:

(druid) Jun Rao

Comments:

IPMC/Shepherd notes:

Justin Mclean: I not sure that a project could be considered for graduation without making a first release or adding committers.

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Dubbo

Dubbo is a high-performance, lightweight, java based RPC framework.  
Dubbo has been incubating since 2018-02-16.

Three most important issues to address in the move towards graduation:

1. Community building
2. Ensure more discussion and decision making to be happening on the mailing list.
3. New PPMC Member

Any issues that the Incubator PMC (IPMC) or ASF Board wish/need to be aware of?

None

How has the community developed since the last report?

- \* Meetup
  - \* Shanghai Meetup (2018-06-23): Online registration ~700, on-site registration: 300+
  - \* Shenzhen Meetup (2018-07-29): Online registration ~2k, on-site registration: 700+
  - \* Chengdu Meetup (2018-08-26): Online registration ~1000, on-site registration: 350+
- \* The community has voted for new logo
- \* The community has voted for new website
- \* New committer:
  - \* htykn has been voted as committer on 2018-07-06
  - \* kimming has been voted as committer on 2018-07-30
  - \* diecuil201 has been voted as committer on 2018-07-30
  - \* carryxyh has been voted as committer on 2018-08-20
- \* Dubbo has joined CNCF landscape: <https://landscape.cncf.io/selected=dubbo>
- \* Dubbo has reached 20k stars and 100 contributors, as of August 29th
  - \* number of stars has grown from ~16000 to 21126 since start incubating.

- \* contributors has been grown from 75 to 119 since start incubating.
- \* It also has 14625 forks, which ranks #3 in all Github Java projects.
- \* 15 new companies reported their using of Dubbo since last report, 104 in total
- \* The following projects has been added to external Apache Dubbo ecosystem(<http://github.com/dubbo>, non-Apache repositories):
  - \* dubbo-php-firmware
  - \* dubbo-serialization-avro
  - \* dubbo-sentinel-support
  - \* IntelliJ IDEA plugin
  - \* dubbo-rpc-native-thrift

These projects are being watched by Apache Dubbo PPMC and are planning be moved to Apache once they meet the quality requirement.

How has the project developed since the last report?

- \* 2.6.2 is released
- \* 2.6.3 release is under way, RC4 is being voted
- \* All the package name has been changed to org.apache.dubbo and group id has been changed to org.apache on 2.7.x branch
- \* New dubbo website has been published.
- \* Dubbo-ops has been refactored into a spring-boot project.
- \* Mailing list stats:
  - \* August: 193 emails, 33 topics, 44, participants
  - \* July: 248 emails, 46 topics, 45 participants
  - \* June: 195 emails, 41 topics, 32 participants
  - \* May: 138 emails, 23 topics, 35 participants (last report 2018-06-05)

Comparing to last report period, the number of mails/topics/participants are all increased. More people (including PPMC, committer and users) are getting involved to the mailing list, and more discussion is happening on the list.

- \* Github stats:
    - \* August: 114 issues closed, 155 pr closed
    - \* July: 181 issues closed, 56 pr closed
    - \* June: 68 issues closed, 79 pr closed
    - \* May: 106 issues closed, 75 pr closed(last report 2018-06-05)
- The stats shows more people are coming to Github, more pull request are coming, issues are getting solved.  
The community is responding quicker to issues and pull request than before.

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:

- \* 2.6.2 has been released on 2018-6-7.
- \* 2.6.3 RC5 is under release process.

When were the last committers or PPMC members elected?

Yuhang Xiu(carryxyh) has been voted as committer on 2018-08-20.

Signed-off-by:

- (dubbo) Justin Mclean
  - Comments: I agree with Mark that this project can be difficult to follow.
  - It would be good to see more discussion on the mailing list.
- (dubbo) Jean-Frederic Clere
  - Comments:
- (dubbo) Mark Thomas
  - Comments: Generally, the podling is doing well. The community is still getting used to using mailing lists but I have no concerns at this stage of the podling's development
  - I do remain concerned at the volume of github notifications

and the difficulty in following them. I plan to chat with the infrastructure folks at ApacheCon NA to see if there are any changes that could be made on the infrastructure side to help in this area.

IPMC/Shepherd notes:

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Griffin

Griffin is a open source Data Quality solution for distributed data systems at any scale in both streaming or batch data context

Griffin has been incubating since 2016-12-05.

Three most important issues to address in the move towards graduation:

1. Preparation for graduation.
2. Enhance user guide documents.
3. Grow and marketing the community.

Any issues that the Incubator PMC (IPMC) or ASF Board wish/need to be aware of?

None

How has the community developed since the last report?

- 1 new PPMC member(Lionel Liu) have been elected.
- 4 new committers(Jason Liao, Jenny Li, Liu Jin, Grant Xuexu) have been elected.
- 6 new contributors contributed to our community.
- 10+ users have contacted us for use cases.

How has the project developed since the last report?

- Active development is moving on well, 101 commits in last three months.
- Voting for releasing version 0.3.0-incubating.
- Refactor measure module to make its architecture simpler and extensible.
- Refine Griffin DSL to remove complex expression.
- Looking forward to graduation 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:

2018-05-16

When were the last committers or PPMC members elected?

- Last committers(Jason Liao) were elected at July 31, 2018
- Last PPMC Member(Lionel Liu) were elected at July 8, 2018

Signed-off-by:

- (griffin) Kasper Sørensen  
Comments:
- (griffin) Uma Maheswara Rao Gangumalla  
Comments:
- (griffin) Luciano Resende  
Comments:
- (griffin) Henry Saputra  
Comments:

IPMC/Shepherd notes:

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Hivemall

Hivemall is a library for machine learning implemented as Hive UDFs/UDAFs/UDTFs.

Hivemall has been incubating since 2016-09-13.

Three most important issues to address in the move towards graduation:

1. Two or more Apache Releases as an Incubator project
2. Community growth (committers and users)
3. Documentation improvements

Any issues that the Incubator PMC (IPMC) or ASF Board wish/need to be aware of?

None

How has the community developed since the last report?

- \* Github watchers/stars are gradually increasing:  
169 stars as of Sept 3 (was 145 on June 5)
- \* Twitter account @ApacheHivemall followers are gradually increasing:  
154 followers as of Sept 3 (was 145 on June 5)
- \* PPMC members (Makoto and Takeshi) will give a talk at ApacheCon North America 2018
- \* PPMC members (Makoto and Takuya) will give a demo at ACM RecSys'18.  
<https://recsys.acm.org/recsys18/>

How has the project developed since the last report?

- \* Preparing the second Apache release, v0.5.2. Release voting will start in Sept, 2018.

<https://issues.apache.org/jira/issues/?jql=project+%3DHIVEMALL+AND+fixVersion+%3D+0.5.2>

Since the last report, we have

- \* In the last 3 months, we opened 11 JIRA issues and closed 7 JIRA issues as seen in <https://goo.gl/QFQEF5> (as of Sept 3)

	Created	Resolved	
June 2018		4	3
July 2018	1	1	
Aug 2018	6	3	

- \* Created 9 Pull Requests and closed 10 Pull Requests between June 1st and Aug 31th.

<https://github.com/apache/incubator-hivemall/pulls?q=is%3Apr%20created%3A2018-06-01..2018-08-31>

<https://github.com/apache/incubator-hivemall/pulls?q=is%3Apr%20closed%3A2018-06-01..2018-08-31>

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:

March 5, 2018.

When were the last committers or PPMC members elected?

- Elected Jerome Banks as a committer on April 2.

Signed-off-by:

[ ](hivemall) Reynold Xin  
Comments:  
[X](hivemall) Xiangrui Meng  
Comments:  
[X](hivemall) Daniel Dai  
Comments:

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Myriad

Description:

Myriad enables co-existence of Apache Hadoop YARN and Apache Mesos together on the same cluster and allows dynamic resource allocations across both Hadoop and other applications running on the same physical data center infrastructure.

Myriad has been incubating since 2015-03-01.

Three most important issues to address in the move towards graduation:

- \* Grow the community and enroll new committers.
- \* Have (more) frequent Release cycles to be compliant with the Apache Way.
- \* Creating roadmaps for releases with goals (new features).
- \* Social media presence (new blog entries, conference talks).
- \* Unblock the issue [MYRIAD-264] Upgrade Mesos API to 1.5.x

Any issues that the IPMC or ASF Board wish/need to be aware of?:

This Poddling is one of the listed at IPMC list thread "Poddlings length of time in the incubator". This Poddling was stalled for about two years, however the current new PPMCs have the hope of increasing the community unlocking the main issue we are facing. We have had low dev-mailing list activity the pass months, nevertheless we are working for unlocking our main issue.

How has the community developed since the last report:

General low activity since June.

How has the project developed since the last report:

No visible activity.

How does the podling rate their own maturity:

[ ] Initial setup  
[X] Working towards next release  
[X] Community building  
[ ] Nearing graduation  
[x] Other: Working for outcoming our main blocker issue.

Date of last release:

The 0.2.0 release was issued on Jun 29, 2016.

When were the last committers or PPMC members elected?:

2018-05-22 New committer/PMC member Juan P. Gilaberte.  
2018-03-28 New committer/PMC member Javi Roman.

Have your mentors been helpful and responsive?:

Yes. In particular Ted Dunning was really helpful for rebooting the project.

Signed-off-by:

[ ](myriad) Benjamin Hindman  
Comments:  
[ ](myriad) Danese Cooper  
Comments:  
[x](myriad) Ted Dunning  
Comments:

IPMC/Shepherd notes:

ted: Myriad is in the process of deciding whether to reboot as Apache or to go independent. This is on the knife edge and I personally don't know the right answer.

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Nemo

Nemo is a data processing system to flexibly control the runtime behaviors of a job to adapt to varying deployment characteristics.

Nemo has been incubating since 2018-02-04.

Three most important issues to address in the move towards graduation:

1. Grow the community
2. Create the first Apache release
3. Donate code to ASF

Any issues that the Incubator PMC (IPMC) or ASF Board wish/need to be aware of?

None.

How has the community developed since the last report?

- \* Committers actively sent PRs and did code reviews
- \* Committers actively involved in mailing lists
- \* Getting contributors including a GSoC student

How has the project developed since the last report?

- \* Made great progress in every aspect of the project
- \* Working on the first release Almost done with the features to be included in the first release
- \* Solidified runtime by refactoring how to handle tasks, stages, and jobs, and scheduling policies
- \* Rule-based policy support in the compiler
- \* Composition of passes
- \* Added Multiple DAG submission support in a user program
- \* Added Beam 2.6, Beam SQL support
- \* Spark RDD caching support
- \* Task cloning support
- \* Intermediate data locality aware scheduling
- \* Added a WebUI (contributed by a GSoC student), which we will polish

How would you assess the podling's maturity?  
Please feel free to add your own commentary.

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

Date of last release:

None yet.

When were the last committers or PPMC members elected?

None yet.

Signed-off-by:

(nemo) Davor Bonaci  
Comments: All great; active community contributing towards the first release.

(nemo) Hyunsik Choi  
Comments:

(nemo) Byung-Gon Chun  
Comments:

(nemo) Jean-Baptiste Onofre  
Comments: Focusing on first release would be great, it would be a great milestone for the podling

(nemo) Markus Weimer  
Comments: Good progress all around; but it is time for a first release :)

(nemo) Reynold Xin  
Comments:

IPMC/Shepherd notes:

Our mentors mostly have been helpful and responsive.

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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 issues to address in the move towards graduation:

1. Create a first release
2. The project needs more active developers

Any issues that the Incubator PMC (IPMC) or ASF Board wish/need to be aware of?

The last report being missed was my bad (oschaaf), I was on vacation and forgot to ask someone else to do it.

How has the community developed since the last report?

Again, there have been very limited external contributions, two contributions to the core code-base.  
We do see certain users committing to helping out others on the google group and github, some of them consistently for months now.  
In terms of user engagement activity continues to be healthy.

How has the project developed since the last report?

- Problems with Travis timeouts have been mostly fixed
- Flaking dependencies hosted on sourcefourge have been fixed
- Work is still in progress for a particularly nasty bug, which would be great to have fixed in a first release.
- An external contributor has been maintaining a docker image for ngx\_pagespeed, which should be proposed for inclusion into the ASF repo soon

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?

Feb 2 2018 (Huibao Lin, elected as both committer and PMC member)

Signed-off-by:

[ ](pagespeed) Jukka Zitting

Comments:

[ ](pagespeed) Leif Hedstrom

Comments:

[X](pagespeed) Nick Kew

Comments: A healthy level of activity in github/issues, but the dev list is looking thin (I don't recollect any of the issues reported above discussed there), and community development seems slow.

[ ](pagespeed) Phil Sorber

Comments:

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Omid

Omid is a flexible, reliable, high performant and scalable ACID transactional framework that allows client applications to execute transactions on top of MVCC key/value-based NoSQL datastores (currently Apache HBase) providing Snapshot Isolation guarantees on the accessed data.

Omid has been incubating since 2016-03-28.

Three most important issues to address in the move towards graduation:

1. Get new committers.
2. Finish integration with Apache Phoenix.
3. Get positive feedback from other projects currently in Apache.

Any issues that the Incubator PMC (IPMC) or ASF Board wish/need to be aware of?

N/A

How has the community developed since the last report?

1. Integration with Apache Phoenix is at its final stage.
2. New active contributor, Yonatan Gottesman.

How has the project developed since the last report?

1. Release 0.9.0 was released on June 10.
2. Omid low latency [OMID-90] committed to a feature branch.
3. Omid and Apache Phoenix integration is at its final stage. The Omid version for the integration is located at feature branch phoenix-integration. This feature branch will be the next release candidate that will start a release process in a few weeks.

How would you assess the podling's maturity?

Please feel free to add your own commentary.

[ ] Initial setup

[ ] Working towards first release

[X] Community building

[ ] Nearing graduation

[ ] Other:

Date of last release:

2018-06-10

When were the last committers or PPMC members elected?

Signed-off-by:

[X](omid) Alan Gates

Comments: A criterion for graduation is adding at least one committer to the project. So I believe "Community building" would be a more accurate assessment of your podling's maturity.

[ ](omid) Lars Hofhansl

Comments:

[ ](omid) Flavio P. Junqueira

Comments:

[ ](omid) Thejas Nair

Comments:

[x](omid) James Taylor

Comments: I've updated the community assessment to "Community building" based on Alan's feedback. Once a new committer is added to the project (which will happen soon), then we can update to "Nearing graduation".

IPMC/Shepherd notes:

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OpenWhisk

OpenWhisk is an open source, distributed Serverless computing platform able to execute application logic (Actions) in response to events (Triggers) from external sources (Feeds) or HTTP requests governed by conditional logic (Rules). It provides a programming environment supported by a REST API-based Command Line Interface (CLI) along with tooling to support packaging and catalog services. Additionally, it now provides options to host the platform components as Docker containers on various Container Frameworks such as Mesos, Kubernetes, and Compose.

OpenWhisk has been incubating since 2016-11-23.

Three most important issues to address in the move towards graduation:

1. Finish the remaining component source code release under Incubator
  - a. Release process/automation/documtation are here <https://github.com/apache/incubator-openwhisk-release>).
2. Increase additional company and individual Contributors to maintain all project repos. and address Issue / PR backlog.
3. Close legal transferred of Trademark handoff for "OpenWhisk" name and logo to ASF

Any issues that the Incubator PMC (IPMC) or ASF Board wish/need to be aware of?

\* Issue backlog building on incubator-openwhisk is still a major issue (partly due to #2 above). As of this report, the "open" issue backlog is 384 (up from 365 as of last report), but open PR is at 35 (down from 55 as of last report). Please note this is just on the "main" platform repo. and likely is paralleled in other release component repos.

\* Need to prioritize and work to reduce while advancing major proposals around restructuring around abstractions to accommodate running on Knative while enhancing support for better logging/scheduling and performance testing enhancements.

\* Trying to add more active Committers to augment those who have dropped off in their activity; however, we have reached an impasse where potential new Contributor pull requests are not getting timely reviews/merges to provide a resume' for adding to the Committer roles.

\* It seems that Apache Infra. will not provide us servers to host a staging environment that would help us perform needed staging testing on Pull Requests. This means that independent testing needs to be done by members (companies). We have explored a corporate donation as suggested (ala Spark and SystemML), but this does not seem possible at this time.

\* No change in status since last quarterly report.

\* Formal hand-off of OpenWhisk trademark/logo from IBM needs to be executed; need to identify process for this. See #3 above.

\* Discussion started w/ Apache legal via "legal-discuss" mailing list with subject "Trademark handoff for "OpenWhisk" name and logo".

\* IBM intends to hand-off ownership of trademarks at time of graduation.

How has the community developed since the last report?

- \* dev mailing list activity increased since Q2 driven by release-related activity and an increase in technical discussion on the mailing list.
  - \* incubator-openwhisk Github stars: 3472 (+254 since last report)
  - \* incubator-openwhisk GitHub forks: 652 (+36 since last report). Note lots of more competing projects entering the Serverless space.
  - \* Slack community:
    - \* 969 members (+151 from last report). Very active in most channels from both end users or the project and contributors
    - \* To-date: 112,326 messages sent across all channels
    - \* Analytics: <https://openwhisk-team.slack.com/admin/stats>
    - \* The bi-weekly Zoom "Technical Interchange" continues to be well received and attended.
    - \* Complete videos posted to OW YouTube channel and detailed notes to our CWIKI.
    - \* YouTube Channel: Apache Meetings Playlist
    - \* CWiki Meeting Notes: OpenWhisk Technical Interchange Meeting Notes
    - \* 2018-08-29:  
<https://cwiki.apache.org/confluence/display/OPENWHISK/2018-08-29+OW+Tech+Interchange+-+Meeting+Notes>
    - \* 2018-08-15:  
<https://cwiki.apache.org/confluence/display/OPENWHISK/2018-08-15+OW+Tech+Interchange+-+Meeting+Notes>
    - \* 2018-08-01:  
<https://cwiki.apache.org/confluence/display/OPENWHISK/2018-08-01+OW+Tech+Interchange+-+Meeting+Notes>
    - \* 2018-07-18:  
<https://cwiki.apache.org/confluence/display/OPENWHISK/2018-07-18+OW+Tech+Interchange+-+Meeting+Notes>
    - \* 2018-06-20:  
<https://cwiki.apache.org/confluence/display/OPENWHISK/2018-06-20+OW+Tech+Interchange+-+Meeting+Notes>
    - \* 2018-06-06:  
<https://cwiki.apache.org/confluence/display/OPENWHISK/2018-06-06+OW+Tech+Interchange+-+Meeting+Notes>
  - \* New Contributors
    - \* ICLAs received:
      - \* Qian Gao ([gaoqian126@126.com](mailto:gaoqian126@126.com)), No intentions submitted (is this Albert Gau from Cloud Academy?)
      - \* Manoj Mishra ([manojmishra404@gmail.com](mailto:manojmishra404@gmail.com)) (<https://github.com/manojkmishra>), Looking at integrating the "Karate" test framework into OpenWhisk working with Rahul.
      - \* Rahul Tripathi ([er.rahultr@yahoo.com](mailto:er.rahultr@yahoo.com)) (<https://github.com/rahulgelfo>), Leading the "Karate" test framework integration (proposed). See <https://github.com/rahulgelfo/ow-karate>
      - \* Justin Halsall, IBM Developer Advocate based in NYC, Submitted the Ruby runtime, helped update/correct website content, added CLI and wskdeploy to Homebrew to provide convenient installs on Linux, Mac, and Windows. Seeks to improve end-user experience and documentation.
      - \* Kei Sawada ([k@swd.cc](mailto:k@swd.cc)) (<https://github.com/remore>) (@remore), Red Hat, DevOps consultant, No intentions submitted.
    - \* Joined Community Interchange calls and introduced themselves:
      - \* Mparuthickal (Matthew) - NYC, last 4-5 months been exploring OW, delivering all data fabric via OW api
      - \* Viay - also trying to inc. OW in our environment, doing PoC using OW last 2 months
      - \* Sam Baxter - 2nd call, phd student at UMass an IBM intern, looking at long-running computations using javascript
      - \* Spencer Krum, Similar job as Justin, works at IBM as an advocate; wishes to become active in community.
- How has the project developed since the last report?  
Emphasis on these areas have been featured since last report:
- \* Google Knative announce
    - \* The announcement of Knative has elicited LOTS of discussion on dev list and during interchange calls, as well as proposals on the Wiki, as to how OpenWhisk can better align/position itself relative to this Kubernetes (family) technology. See some of the proposal discussions:
      - \* Knative, Kubernetes, and Apache OpenWhisk
      - \* Prototyping for a future architecture

- \* Proposal on a future architecture of OpenWhisk
- \* Kafka and Proposal on a future architecture of OpenWhisk
- \* Simplifying configuring OpenWhisk Components (#3984)
- \* Naver has asked to be listed as both a project Supporter and an acknowledged OpenWhisk provider
  - \* Logo added: <http://openwhisk.apache.org/community.html#supporters>
- \* Release process
  - \* Please see incubator-openwhisk-release (code, tools, documentation), see demo (as of 2/28): <https://www.youtube.com/watch?v=qkqenC5b1kE>
  - \* So far we have release the following components
    - \* [RESULT][VOTE]: Release Apache OpenWhisk (Incubating): main module 0.9.0 [RC2]
      - \* <https://lists.apache.org/thread.html/44d91b570ba51e7c88eff59aaca04a83fcad706bdabf4614baadac3f@%3Cdev.openwhisk.apache.org%3E>
      - \* [RESULT][VOTE] Release Apache OpenWhisk 0.9.0-incubating rcl: OpenWhisk catalog and apigateway
        - \* <https://lists.apache.org/thread.html/8df308901539b825466505e7e51df32ba511fa2a39de8335a694bd05@%3Cdev.openwhisk.apache.org%3E>
      - \* [RESULT][VOTE] Release Apache OpenWhisk (Incubating): Client Go and CLI 0.9.0 [RC1]
        - \* <https://lists.apache.org/thread.html/7985c7ad9528fada0efa4093d67ae47d78ba0dcf2f1f7f5916570f69@%3Cdev.openwhisk.apache.org%3E>
      - \* [RESULT][VOTE] Release Apache OpenWhisk 0.9.8-incubating rcl: OpenWhisk wskdeploy
        - \* <https://lists.apache.org/thread.html/caea29e3b3c8ea56f5bb3e40ee4b57153787ef193dc64ff63024230b@%3Cdev.openwhisk.apache.org%3E>
    - \* with these components being prepared for the voting process:
      - \* Runtimes (i.e., NodeJS, Python, Java, Go, Ruby, Swift, etc.)
        - \* The comm. is currently discussing how to align versions (i.e., rebase to same version level) for all runtime components (e.g., Java, JS, Python, Ruby, etc.) now:
        - \* Re: [DISCUSSION]: Proposing to use 1.12.0 as the version for all runtimes for the first-time
          - \* <https://lists.apache.org/thread.html/7df7764fc6a0f33580ab5666645b61d857c5492ca6e1d2438c2518e8@%3Cdev.openwhisk.apache.org%3E>
      - \* Providers (i.e., Alarms, Kafka/MessageHub, Cloudant/Couch)
        - \* The community anticipates producing a combined 1.x release (of all components at once) in the near future under a single tar.gz.
    - \* Website revamp
      - \* See proposal here (with proof that no information was lost in transitioning):
        - \* OpenWhisk Website Redesign: <https://cwiki.apache.org/confluence/display/OPENWHISK/OpenWhisk+Website+Redesign>
        - \* Apache Compliant: Updated to be fully compliant with Apache standards: see <https://whimsy.apache.org/pods/project/openwhisk>
        - \* Canonical starting point for all things Apache OpenWhisk
          - \* Role-based
            - \* The entire website was revamped and streamlined to include only current info targeted to 2 roles: Developer and Operator
            - \* See Documentation: <http://openwhisk.apache.org/documentation.html>
            - \* Indexed all content and added left-side navigation
          - \* Provided initial "getting started" examples for all language runtimes (using CLI and wskdeploy)
          - \* Leveraged github repo content, and created proper linkage to further resources (no broken links)
          - \* Assured we had no redundant information
        - \* leverage CWiki
          - \* In addition, we cleaned up (and organized) the project Confluence Wiki: <https://cwiki.apache.org/confluence/display/OPENWHISK>
          - \* and the Cwiki content now has proper ANCHORS that we reference from our project website.
        - \* Media Adaptive Content: Verified website worked in all major browsers and on all device form-factors (mobile, tablet, and desktop)
      - \* Security enhancements
        - \* PureSec contacted PPMC about a runtime security vulnerability, Rodric Rabbah took the lead in addressing and followed the Apache process (as the project is mature for an Incubator project and we are aware that companies have OW in production)
          - \* [CVE] CVE-2018-11756 PHP Runtime for Apache OpenWhisk

- \* [CVE] CVE-2018-11757 Docker Skeleton Runtime for Apache OpenWhisk
  - \* Here is the Apache OpenWhisk project blog (Medium) explaining the vulnerability and how it was closed by the team:
    - \* <https://medium.com/openwhisk/security-and-serverless-functions-b97618430db6>
- \* Scalability / Performance / Testing
  - \* Presentation/proposals to integrate the Karate Web Service Test Framework into OW. Intent is not to overlap or replace existing Scala tests but to allow Java developers the ability to submit new test cases more easily. See <https://github.com/intuit/karate>.
    - \* Thread: OpenWhisk Karate Based BDD Functional and Performance Tests
  - \* BDD Test Cases Contribution to complement existing test cases and coverage
- \* Runtime updates:
  - \* New runtime for the Ballerina language: Proposing Ballerina Runtime for OpenWhisk
    - \* Github repo.: <https://github.com/apache/incubator-openwhisk-runtime-ballerina>
- \* Other Notable discussions/changes/issues/features:
  - \* [Discussion] Use TransactionID as ActivationID
    - \* Re: Proposal: Memory Aware Scheduling
  - \* logging baby step -- worth pursuing?
  - \* Pluggable API Gateways
    - \* Re: AI Actions as a first-class citizen in OpenWhisk
  - \* MiniWhisk: what you think?
  - \* Proposing Lean OpenWhisk
  - \* System overflow based on invoker status
  - \* Add support for microkernels instead of containers

How would you assess the podling's maturity? Please feel free to add your own commentary.

- Initial setup
- Working towards first release (nearly complete, see above)
- Community building
- Nearing graduation
- Other:

Comments:

- \* Need greater variety of contributors and contributing companies

Date of last release:

- \* Various, by component, see above for details

When were the last committers or PPMC members elected?

- \* New Committers+PPMC:
  - \* Ben Browning, Red Hat
  - \* Brendan McAdams, Red Hat
  - \* Sven Lange-Last, IBM
  - \* Tyson Norris, Adobe, added to PPMC (already a Committer)
- \* New Committers:
  - \* No new Committers

Signed-off-by:

- (openwhisk) Bertrand Delacretaz Comments:
- (openwhisk) Jim Jagielski Comments:
- (openwhisk) Isabel Drost-Fromm Comments:

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Pony Mail

Pony Mail is a mail-archiving, archive viewing, and interaction service, that can be integrated with many email platforms.

Pony Mail has been incubating since 2016-05-27.

Three most important issues to address in the move towards graduation:

1. Growing community and interest around the project
2. Step up pace of branch development
3. Fine-tune release process

Any issues that the Incubator PMC (IPMC) or ASF Board wish/need to be aware of?

Pony Mail is in a bit of a slumber at the moment, with the principal people being busy elsewhere. This is not to say that oversight isn't happening, but that the development pace has slowed significantly. We hope this picks up in the foreseeable future.

How has the community developed since the last report?

Sharan Foga has joined as a new mentor. We are assessing whether there is need for more people to help out.

How has the project developed since the last report?

Not much to report here, a few bug fixes and issues filed.

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:

2018-02-19

When were the last committers or PPMC members elected?

Sebastian Bazley was elected committer in Oct, 2016.

Signed-off-by:

- (ponymail) Andrew Bayer  
Comments:
- (ponymail) John D. Ament  
Comments:
- (ponymail) Sharan Foga  
Comments: Good to see community building being highlighted as something to work on.

IPMC/Shepherd notes:

wave (Dave Fisher): I would ask what this project that has become core to ASF infra with lists.apache.org needs to do before graduating?

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Pulsar

Pulsar is a highly scalable, low latency messaging platform running on commodity hardware. It provides simple pub-sub semantics over topics, guaranteed at-least-once delivery of messages, automatic cursor management for subscribers, and cross-datacenter replication.

Pulsar has been incubating since 2017-06-01.

Most important issues to address in the move towards graduation:

None

Any issues that the Incubator PMC (IPMC) or ASF Board wish/need to be aware of?

Earlier in June there have been few discussions on the private list

regarding communications regarding Pulsar that were not coming from PPMC or that were not respecting the ASF policies. Clarifications followed between PPMC members, mentors and interested parties to ensure the mistakes were made in good faith and, in particular, to make sure everyone was fully has full understanding of ASF policies. There was no other branding related issue after the first occurrence.

How has the community developed since the last report?

The community added 8 new contributors that submitted pull-requests which were merged into master.

The number of users approaching the team on the Slack channel has kept steadily increasing since the last report. Many users have actively deployed. Pulsar for evaluation and production use cases.

Different meetups were organized by project members and hosted by Yahoo in Sunnyvale and Yahoo Japan in Tokyo. We have presented Pulsar's introductions, updates on the state of the projects, deep-dives and hands-on tutorial, including recorded podcasts.

One talk on Pulsar was presented at one at OSCon in July and there are several scheduled talks: 2 at ApacheCon in September, and 2 others at Strata New York in September.

Since the last report the number of weekly-active-users on the Slack channel has increased from 53 to 88.

How has the project developed since the last report?

28 authors have pushed 494 commits to master in the last 3 months.

The project has made the its seventh release since joining the Apache Incubator (2.1.0-incubating on Aug 2nd).

This release introduced these new features:

- \* Pulsar IO: A connector framework for moving data in and out of Apache Pulsar leveraging Pulsar Functions runtime.
- \* A number of builtin connectors: (Aerospike, Cassandra, Kafka, Kinesis, RabbitMQ, Twitter)
- \* Tiered Storage: An extension in Pulsar segment store to offload older segments into long term storage (e.g. HDFS, S3). S3 support is supported in 2.1 release.
- \* Stateful function: Pulsar Functions is able to use State API for storing state within Pulsar.
- \* Pulsar Go Client
- \* Avro and Protobuf Schema support

Community is actively working on a bug-fix release (2.1.1-incubating) and on the next milestone, 2.2 release for which the biggest feature will be support for SQL within Pulsar.

Since June, 5 new PIPs (Pulsar Improvement Proposals) for major feature/changes, have been submitted to the wiki and discussed in the mailing list.

PIP 23: Message Tracing By Interceptors  
PIP 22: Pulsar Dead Letter Topic  
PIP 21: Pulsar Edge Component  
PIP 20: Mechanism to revoke TLS authentication  
PIP 19: Pulsar SQL

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:

2018-08-02, 2.1.0-incubating

When were the last committers or PPMC members elected?

2018-06-11 - Ivan Kelly

2018-06-11 - Jia Zhai

Signed-off-by:

(pulsar) Dave Fisher

Comments: Looking forward to the graduation resolution.

(pulsar) Jim Jagielski

Comments:

(pulsar) P. Taylor Goetz

Comments: Good report. At the urging of mentors, Pulsar completed a maturity model evaluation, which I think worked well. They also dealt with the branding issue fairly well after realizing how important such issues are to the Foundation.

Currently moving toward graduation, which I support.

(pulsar) Francis Liu

Comments:

IPMC/Shepherd notes:

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Quickstep

Quickstep is a high-performance database engine.

Quickstep has been incubating since 2016-03-29.

Three most important issues to address in the move towards graduation:

1. Adoption of the Quickstep technology.
2. Grow the Quickstep developer community.
3. Work towards a second release.

Any issues that the Incubator PMC (IPMC) or ASF Board wish/need to be aware of?

None

How has the community developed since the last report?

Harshad presented the Quickstep paper at VLDB 2018 conference in Rio De Janeiro, Brazil.

The presentation was attended by many database researchers and industry practitioners.

The presentation had explicit calls to collaborate and participate in the Apache community.

We plan to reach out with those who expressed interest in the project.

How has the project developed since the last report?

The development activity was slow during the summer.

There are ongoing efforts on the following objectives.

1. Enhancing the type system used by Quickstep
2. Supporting concurrent queries in the system
3. Developing a distributed version of Quickstep

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:

2017-03-25

When were the last committers or PPMC members elected?

Dylan Bacon, June 2 2018 (committer)

Signed-off-by:

[x](quickstep) Julian Hyde

Comments: I am becoming worried about the project. Development continues at a reasonable pace, and serves the needs of existing contributors who are producing research papers. The "following objectives" listed above were not discussed on-list, AFAICT.

However Quickstep is unable to attract outside contributors, nor apparently achieve adoption by end users.

It is nearly 18 months since the last release. I will encourage them to make a new release. That will generate some activity, but it may not be enough.

[x](quickstep) Roman Shaposhnik

Comments: Big +1 to what Julian is saying. Also, see the following thread on general: <https://s.apache.org/Y6tt>

IPMC/Shepherd notes:

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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 issues to address in the move towards graduation:

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

Any issues that the Incubator PMC (IPMC) or ASF Board wish/need to be aware of?

None

How has the community developed since the last report?

- \* not much activities on the mailing list.
- \* few active committers spend their time working on opened issues.

How has the project developed since the last report?

- \* mostly still working on opened issues.
  - 22 issues are created and 16 of them are resolved since the last report(June 2018).
  - keep working on GraphQL integration/OLAP supports.

How would you assess the podling's maturity?

Please feel free to add your own commentary.

[ ] Initial setup

[ ] Working towards first release

[X] Community building

[ ] Nearing graduation

[ ] Other:

Date of last release:

2017-08-26

When were the last committers or PPMC members elected?

None

Signed-off-by:

[ ](s2graph) Andrew Purtell  
Comments:  
[ ](s2graph) Seetharam Venkatesh  
Comments:  
[X](s2graph) Sergio Fernández  
Comments:

IPMC/Shepherd notes:

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SAMOA

SAMOA provides a collection of distributed streaming algorithms for the most common data mining and machine learning tasks such as classification, clustering, and regression, as well as programming abstractions to develop new algorithms that run on top of distributed stream processing engines (DSPEs).

It features a pluggable architecture that allows it to run on several DSPEs such as Apache Storm, Apache S4, and Apache Samza.

SAMOA has been incubating since 2014-12-15.

Three most important issues to address in the move towards graduation:

1. Revitalize the project by resuming development
2. Enlarge the user base and contributing community

Any issues that the Incubator PMC (IPMC) or ASF Board wish/need to be aware of?

None

How has the community developed since the last report?

- \* Mailing list activity (June 2018 - August 2018):
- \* @dev: 19 messages

How has the project developed since the last report?

- \* 2 new PRs created
- \* Presentation at KDD 2018 (MUD3 workshop) on urban data mining using Apache SAMOA

How would you assess the podling's maturity?

Please feel free to add your own commentary.

[ ] Initial setup  
[ ] Working towards first release  
[X] Community building  
[ ] Nearing graduation  
[ ] Other:

Date of last release:

2016-09-30

When were the last committers or PPMC members elected?

January 2018

Signed-off-by:

[X](samoa) Alan Gates  
Comments: I agree with Ted, I remain concerned about the lack of

activity in this podling.

[ ](samoa) Ashutosh Chauhan

Comments:

[ ](samoa) Enis Soztutar

Comments:

[x](samoa) Ted Dunning

Comments:

IPMC/Shepherd notes:

ted: Almost no mailing list activity since April. March looked promising, but after voting in a new committer, nothing much else happened.

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SensSoft

SensSoft is a software tool usability testing platform

SensSoft has been incubating since 2016-07-13.

Three most important issues to address in the move towards graduation:

1. Extending release process to other parts of the SensSoft software stack.
2. Grow the Apache SensSoft (Incubating) Committer/Community Base.
3. Complete the issues highlighted at the SensSoft Roadmap  
<https://cwiki.apache.org/confluence/display/SENSOFT/Roadmaps>

Any issues that the Incubator PMC (IPMC) or ASF Board wish/need to be aware of?

Yes. In the last Quarter, a number of core Apache SensSoft committers changed organization. While the Apache SensSoft team will use this as an opportunity to organically grow the committer/community based, these departures have caused branding concerns for the organization that initiated the Apache SensSoft software gift to Apache—The Charles Stark Draper Laboratory, Inc. (Draper). Specifically, in referencing an affiliation with the 'Apache SensSoft' project at different organizations, an Apache SensSoft committer received the following request from Draper: "We flagged your signature for review by Draper legal since SENSOF™ and Software as a Sensor (R) are Draper-owned trademarks. As you know, the main purpose of trademarks is to avoid customer confusion. We believe that the use of SENSOF™ or SOFTWARE AS A SENSOR in [another company's] employee signature block may lead to confusion as to the source and owner of the SENSOF™ product. While we appreciate your acknowledgement that Draper owns SOFTWARE AS A SENSOR and SENSOF™ technology, and the good will behind your intentions to promote technology you worked on while at Draper, in order to preserve the Draper trademarks we respectfully request that you either: -Remove any reference of SENSOF™ or SOFTWARE AS A SENSOR from your BAE signature block; OR -Indicate in the signature directly following SENSOF™ the following: "SENSOF™ and SOFTWARE AS A SENSOR are trademarks owned by the Charles Stark Draper Laboratory, Inc." NOTE: SENSOF™ refers to SENSOF™ (SENSOF™ is a misspelling) The committer in question has corresponded Draper and raised the issue that 'Apache SensSoft' refers to a public open source project, where 'Software as a Sensor' and 'SENSOF™' refer to Draper proprietary technology, as well as citing the terms of the Software Gift. Draper is steadfast in asserting rights now that committers formerly at Draper are now at other employers. While this affects the Apache SensSoft community's ability to grow through outreach and publicity, we do not believe we require Legal assistance from the ASF. Rather, in discussion with both Draper and Apache SensSoft PPMC/Champions, the path of least resistance appears to be to change the Apache SensSoft project name. The PPMC will initiate a vote on @dev for changing the name. If it passes, a subsequent vote will determine the projects new name. In the meantime, committers will begin removing references to Software as a Sensor(™) from project documentation.

How has the community developed since the last report?

Several community members have started new employment opening opportunities for community growth in the last quarter. No new community members have come onboard.

How has the project developed since the last report?

Development continues at a sustainable level. Several major improvements have been made to make the Apache SensSoft stack deployable at various levels of scale, including major improvements to documentation and examples, and testing procedures. Project maturity roadmaps (Wiki) and version release plans (JIRA) continue to be maintained.

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:

2018-03-14

When were the last committers or PPMC members elected?

Arthi Vezhavendan was added to PPMC and Committer base on 2017-01-24

Signed-off-by:

- (senssoft) Paul Ramirez  
Comments:
- (senssoft) Lewis John McGibbney  
Comments: There are several issues identified above which, as would be expected, have somewhat stunted sustained growth. SensSoft is still however on track to graduation with motivation for graduation still present. The above report was produced by a PPMC member this time around, NOT the mentoring team.
- (senssoft) Chris Mattmann  
Comments:

IPMC/Shepherd notes:

Dave Fisher - I've pointed the podling to the suitable name search and reminded them that they need to look into more than the name of the project. They need to check their product names like UserAle, TAP, Distill and Stout.

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SINGA

SINGA

SINGA is a distributed deep learning platform.

SINGA has been incubating since 2015-03-17.

Three most important issues to address in the move towards graduation:

1. Build and collect the information about the user community
2. Release V2.0

Any issues that the Incubator PMC (IPMC) or ASF Board wish/need to be aware of?

No

How has the community developed since the last report?

Two new contributors since the last report.

How has the project developed since the last report?

The development was focusing on the autograd feature [SINGA-371, 382-385,

387-389, etc.], which is almost done.  
Every layer operation of Singa now supports autograd.  
There are 24, 56 and 26 emails in the mailing list for June, July and August respectively.  
There are 80 commits since last report.

How would you assess the podling's maturity?

Singa has a diverse developer community.  
We need to collect the user community information and encourage open discussion on the mailing list.

Please feel free to add your own commentary.

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

Date of last release:

2018-06-06

When were the last committers or PPMC members elected?

2017-09-01

Signed-off-by:

- (singa) Daniel Dai  
Comments:
- (singa) Alan Gates  
Comments: Development in this project has picked up, and they have successfully done releases and added contributors. I agree they are nearing graduation.
- (singa) Ted Dunning  
Comments:
- (singa) Thejas Nair  
Comments:

IPMC/Shepherd notes:

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SkyWalking

Skywalking is an APM (application performance monitor), especially for microservice, Cloud Native and container-based architecture systems. Also known as a distributed tracing system. It provides an automatic way to instrument applications: no need to change any of the source code of the target application; and an collector with an very high efficiency streaming module.

SkyWalking has been incubating since 2017-12-08.

Three most important issues to address in the move towards graduation:

1. IP clearance.
3. First ASF release. (SkyWalking 5.0)
3. Further ASF culture and processes.
4. 5.x releases are stable for product, and have 5 open end users, at least.
5. Support multiple languages agents/SDKs.
6. Integration with other pupolar OSS systems. Zipkin data format supported.

Any issues that the Incubator PMC (IPMC) or ASF Board wish/need to be aware of?

Have three Apache releases already. 5.0.0-alpha, 5.0.0-beta, 5.0.0-beta2.  
Another release is on going, 5.0.0-RC

How has the community developed since the last report?

1. .NetCore agent goes well, as a community agent implementation, have received it is being used in product env.
2. Node.js agent supports `egg` framework, releases the new version.
3. More than 35 companies have confirmed they are using SkyWalking through issue report or our powered-by page.
4. There are 57 people to contribute codes to our main repo. 19 more than the last report.

How has the project developed since the last report?

The project has a diverse community, many users, contributors are from different companies.

There has been 100 commits by more than 30 contributors in the three months.

In beta2 release milestones, there are 160 issues and pull requests solved.

In RC release milestones, there are 124 issues and pull requests solved.

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:

beta2 12 Jul 2018  
RC(voting) 30 Aug 2018

When were the last committers or PPMC members elected?

May. 2018

Signed-off-by:

- (skywalking) Luke Han  
Comments:
- (skywalking) Willem Ning Jiang  
Comments: It's great to see Skywalking has attracted lot of contributor and user during the incubation.
- (skywalking) Mick Semb Wever  
Comments:
- (skywalking) Ignasi Barrera  
Comments:

IPMC/Shepherd notes:

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Spot

Apache Spot is a platform for network telemetry built on an open data model and Apache Hadoop.

Spot has been incubating since 2016-09-23.

Three most important issues to address in the move towards graduation:

1. Revive community activity (Discussion in mailing lists, increase frequency of commits).
2. Make it easier for Devs to create plug-ins for ingest of data.
3. Developing a workflow in Spot that allows intuitive analytics without the need of licensed software.

Any issues that the Incubator PMC (IPMC) or ASF Board wish/need to be aware of?

N/A

Have your mentors been helpful and responsive or are things falling through the cracks?

Due to the community's irregular activity level over the past months we have had trouble aligning with our mentors. The project is in the process of establishing a cadence to our activities and we welcome help and advice from mentors.

How has the community developed since the last report?

Project wide meetings are continuing every 2 weeks. We are starting to see more Pull Requests come in. Hoping that the end of summer (end of vacations) will bring further participation from the community. We are working on updating the Spot website and confluence pages to reflect changes in the project.

How has the project developed since the last report?

A roadmap draft has been constructed. Our next focus is creating a new release. Therefore, work is underway on closing some long running Pull Requests and important bug fixes.

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:

2017-09-08

When were the last committers or PPMC members elected?

2018-01-18

Signed-off-by:

- (spot) Jarek Jarcec Cecho  
Comments:
- (spot) Brock Noland  
Comments:
- (spot) Andrei Savu  
Comments:
- (spot) Uma Maheswara Rao G  
Comments:

IPMC/Shepherd notes:

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Superset

Superset is an enterprise-ready web application for data exploration, data visualization and dashboarding.

Superset has been incubating since 2017-05-21.

Three most important issues to address in the move towards graduation:

1. Plan and execute our first Apache release
2. Align on a long-term product roadmap with the broader Apache Superset community
3. Grow the community and enroll new committers

Any issues that the Incubator PMC or ASF Board might wish/need to be aware of?

\* At this point in time, we're having issues on how to come up with the LICENSE file needed for our first Apache release given the number of dependencies we have on the Javascript side. Since we package the JS bundle along with our Python application, it seems like we'll have to come up with either a programmatic way to extract the LICENSE info, or ship the application without the JS deps, and provide instruction as to how to fetch and build the package deps, which isn't very convenient. We also have some minor deps on GPL lib, one of which we need to get clarity as to how to handle them. It's related to the "chardet" sub dependency of the Pypi requests library.

Currently, we believe there are 2 approaches to dealing with the LICENSE and NOTICE files for Superset. Either:

A) Dynamically building these files by querying npm/pypi (the javascript and python package repositories) for all the metadata and assembling these files. See the list of JS packages organized by licenses here:

<https://github.com/apache/incubator-superset/pull/5801>

B) The other approach is to distributed a stripped down version of Superset that has a script that fetches external deps and builds it.

The committers are activating around these issues and thinking creatively about resolving them. A thread on [dev@superset.incubator.apache.org](mailto:dev@superset.incubator.apache.org) was started and a discussion is taking place.

How has the community developed since the last report?

- \* Organic growth of our Github contributors (246->274), forks (3318->3627), watchers (1020->1077) and stars (19,399->20,519)
- \* Group of active committers meeting bi-weekly from Airbnb, Lyft and Twitter. Added Michelle Thomas as a new committer.

How has the project developed since the last report?

- \* A completely redesigned dashboarding experience launched
- \* Big Number charts have a new look and visualization
- \* In the Table Config & SQL Lab -> Explore View, clicking a data source now opens a modal with table editing for settings, columns, calculated columns, & metrics
- \* Addition of integration and functional tests
- \* A healthy, constant flow of bug fixes, quality improvements and new features, take a look at the project's Pulse on Github for more details

How does the podling rate their own maturity.

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

Date of last release:

No official release yet since being voted into Apache Incubation. (Planning for the first Apache release in Q4, 2018)

When were the last committers or PPMC members elected?

- \* Michelle Thomas - Committer (2018-09-01)

Signed-off-by:

- (superset) Ashutosh Chauhan  
Comments:
- (superset) Luke Han  
Comments:
- (superset) Jim Jagielski  
Comments: A number of issues have been brought up to the PPMC

IPMC/Shepherd notes:

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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 issues to address in the move towards graduation:

- 1.release new versions compliant with configJSR, rework API
- 2.grow the community, get more active participants
- 3.graduate as the project is functionally very mature already

Any issues that the Incubator PMC (IPMC) or ASF Board wish/need to be aware of?

We'd like to graduate after 0.4 is out.

How has the community developed since the last report?

New external contributors: Aaron Coburn, William Lieurance

How has the project developed since the last report?

- \* minor bugfixes and small changes (due to summer holidays)
- \* relatively low traffic on mailing lists
- \* some interest via mail/contributions from external people/possibly new contributors

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:

2018-05-27 v0.3-incubating

When were the last committers or PPMC members elected?

P. Ottlinger at 2016-04-24.

Signed-off-by:

- David Blevins  
Comments:
- John D. Ament  
Comments: The podling shows a lot of potential, but I'm not sure there's enough for it to move forward as a TLP.

IPMC/Shepherd notes:

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Taverna

Taverna is a domain-independent suite of tools used to design and execute data-driven workflows.

Taverna has been incubating since 2014-10-20.

Three most important issues to address in the move towards graduation:

1. Re-engage PPMC members
2. Graduate?
- 3.

Any issues that the Incubator PMC (IPMC) or ASF Board wish/need to be aware of?

INFRA-16698 is pending comments from Daniel Gruno / IPMC on how to manage incubator repositories on git-wip-us.apache.org that have been retired (in our case transferred to another GitHub organizations). The suggestion is to do a "git rm" and leave a README on the head commit pointing to the new location.

See also

<https://lists.apache.org/thread.html/b4672999838a64a1883407f0c827d7d40fdef13f2424fa5465e944c3@%3Cgeneral.incubator.apache.org%3E>

How has the community developed since the last report?

2 Google Summer of Code students have been active over the summer with strong guidance from mentors and getting pull requests merged.

However the rest of the community has been very quiet and not commented much on the GSOC progress or pull requests.

How has the project developed since the last report?

Good progress from GSOC students, which code bases are now due a new release to include their changes.

Two legacy git repositories were retired to not go through graduation (INFRA-16698).

There is not much outstanding towards graduation, except re-engaging the PMC members.

We will have to admit we are a slow project, which is OK (many Apache projects are), yet still there seems to be some kind of incubator fatigue - for instance no-one else picked up the job of doing this report although prompted to do so by a mentor.

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: PPMC dormant?

Date of last release:

2018-01-18

When were the last committers or PPMC members elected?

2018-02-26 (PPMC)

Signed-off-by:

- (taverna) Andy Seaborne  
Comments:  
The PPMC needs to work on a graduation plan. Graduation should not be a major task for Taverna but it does need doing.
- (taverna) Daniel J Debrunner  
Comments:
- (taverna) Marlon Pierce  
Comments:
- (taverna) Stian Soiland-Reyes  
Comments:  
GSOC activity may have taken focus from work towards graduation in this period.
- (taverna) Suresh Marru  
Comments:
- (taverna) Suresh Srinivas  
Comments:

IPMC/Shepherd notes:

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Tephra

Tephra is a system for providing globally consistent transactions on top of Apache HBase and other storage engines.

Tephra has been incubating since 2016-03-07.

Two most important issues to address in the move towards graduation:

1. Improve community engagement
2. Increase adoption

Any issues that the Incubator PMC (IPMC) or ASF Board wish/need to be aware of?

- None at this time.

How has the community developed since the last report?

- 5 new JIRAs filed since the last report
- 1 new subscriber in dev mailing list since the last report

How has the project developed since the last report?

- Tephra 0.15.0-incubating 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:

2018-09-04

When were the last committers or PPMC members elected?

- None since coming to incubation

Signed-off-by:

- (tephra) Alan Gates  
Comments:
- (tephra) Andrew Purtell  
Comments:
- (tephra) James Taylor  
Comments:
- (tephra) Lars Hofhansl  
Comments:

IPMC/Shepherd notes:

Dave Fisher: This podling thinks they are near graduation, but has never added any new committers/PPMC members. Not so sure. I sent a message to the podling about this.

Alan Gates: This is my fault. See email thread <https://lists.apache.org/thread.html413e06bde2263f2f56797e871b256ec1584f8c541fdc5e96857b13f5@%3Cdev.tephra.apache.org%3E> where I started pushing them towards determining their future direction. I assumed they had added additional PPMC members without checking. I can take this feedback back to them and help them work through this.

James Taylor: I've updated the community assessment to "Community building" based on the above feedback.

-----

Warble

Warble has been incubating since 2018-06-11

Warble is a distributed endpoint monitoring solution where the agent is hosted on your own hardware.

Three most important issues to address in the move towards graduation.

1. Engage initial committers.
2. Set core design and feature set, avoid creep of new features before the core is complete.
3. Expand committers and community

Any issues that the Incubator PMC or ASF Board might wish/need to be aware of:

none

How has the community developed since the last report?

This is the first report since entering the Incubator. Community involvement has slowly increased.

How has the project developed since the last report?

This is the first report since entering the Incubator. Code has been donated and work has been done on initial designs and documentation.

How would you assess the podling's maturity?

We're working through initial design as most of the donated code will need to be re-written/adapted to what we want to do with Warble. Community input has been good working towards documentation and initial code updates.

- Initial setup
- Working towards first release
- Community building
- Nearing graduation
- Other: Building initial designs and re-writing donated code

Date of last release:

N/A

When were the last committers or PPMC members elected?

N/A

Signed-off-by:

[ ](warble) Daniel Takamori  
Comments:

IPMC/Shepherd notes:

Justin Mclean: You might go toward solving 1 by adding the initial committers and mentors to the roster. I also note this is your first report when in you should of been reporting for every one of the first three months.

Daniel Gruno: Chris actually did try to report earlier (I have said reports), but did not find Warble listed in the monthly report document. Bug in the system?

-----  
Zipkin

Zipkin has been incubating since 2018-08-30

Zipkin is a distributed tracing system. It helps gather timing data needed to troubleshoot latency problems in microservice architectures. It manages both the collection and lookup of this data. Zipkin's design is based on the Google Dapper paper.

Three most important issues to address in the move towards graduation.

1. Initial committers ICLAs

2. Migrate GitHub repositories
3. Migrate website

Any issues that the Incubator PMC or ASF Board might wish/need to be aware of:

none

How has the community developed since the last report?

N/A

How has the project developed since the last report?

N/A

How would you assess the podling's maturity?

Zipkin only entered the Incubator just over a week ago.  
The project DNS and mailing lists have been setup.  
Currently in progress is git repository migration.  
Otherwise the community is still handing in ICLAs and learning up on ASF.

- [X] Initial setup
- [ ] Working towards first release
- [ ] Community building
- [ ] Nearing graduation
- [ ] Other: Building initial designs and re-writing donated code

Date of last release:

N/A

When were the last committers or PPMC members elected?

N/A

Signed-off-by:

- [X](zipkin) Mick Semb Wever  
Comments:
- [X](zipkin) Andriy Redko  
Comments:
- [X](zipkin) John D. Ament  
Comments:
- [ ](zipkin) Willem Ning Jiang  
Comments:

IPMC/Shepherd notes: