

# February2017

/\ FINAL (!)

## Incubator PMC report for February 2017

### Timeline

Wed February 01	Podling reports due by end of day
Sun February 05	Shepherd reviews due by end of day
Sun February 05	Summary due by end of day
Tue February 07	Mentor signoff due by end of day
Wed February 08	Report submitted to Board
Wed February 15	Board meeting

### Shepherd Assignments

Drew Farris	CarbonData		
Drew Farris	Toree		
John Ament	Edgent		
John Ament	OpenWhisk		
Justin Mclean	Sirona		
P. Taylor Goetz	DistributedLog		
P. Taylor Goetz	ODF Toolkit		
P. Taylor Goetz	S2Graph		
Timothy Chen	DataFu		
Timothy Chen	SystemML		
Timothy Chen	Tamaya		
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## Report content

Incubator PMC report for February 2017

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 63 podlings incubating. We had one new PMC member and had one podling retire. There were seven podling releases in the month of January.

### \* Community

New IPMC members:

- Markus Weimer

People who left the IPMC:

- N/A

### \* New Podlings

- MXNet
- Ratis

### \* Graduations

The board has motions for the following:

- None

### \* Retiring Podlings

- Climate Model Data Analyzer

### \* Releases

The following releases entered distribution during the month of January:

- 2017-01-03 Apache Juneau 6.0.1
- 2017-01-17 Apache Fineract 0.6.0
- 2017-01-20 Apache Impala 2.8.0
- 2017-01-24 Apache Gossip 0.1.1
- 2017-01-24 Apache Mnemonic 0.4.0
- 2017-01-28 Apache Atlas 0.7.1
- 2017-01-28 Apache Carbondata 1.0.0

### \* IP Clearance

- Henri Yandell has stepped up to help revise the IP Clearance page, improve wording to not sound so closely tied to corporate donations.

### \* Miscellaneous

- An updated format of the Incubator report will be rolling out in the March report. A preview based on the February template can be found at <https://wiki.apache.org/incubator/testpage>
- We have begun pushing a hard review of both active podlings and mentors associated. A number of mentors have stepped down from their roles, and a few podlings have been contacted to begin thinking about retirement.
- Report formatting continues to be an issue until a fix is applied to

whimsy.

- Report contents are much more robust this month, likely due to increased requests for input in podling reports.

\* Credits

- Report Manager: John D. Ament

----- Summary of podling reports -----

\* Still getting started at the Incubator

- MXNet
- OpenWhisk
- Ratis
- RocketMQ

\* Not yet ready to graduate

No release:

- DistributedLog
- iota
- Joshua
- SensSoft
- Toree

Community growth:

- CarbonData
- Edgent
- Fineract
- Guacamole
- Impala
- PredictionIO
- S2Graph
- SystemML
- Tamaya
- Unomi

\* In Danger

- Blur
- Sirona
- Milagro
- Toree

\* Podlings that only received a single mentor sign off:

- Blur
- DataFu
- Fineract
- iota
- Milagro
- OpenWhisk
- RocketMQ
- Senssoft
- Slider
- Spot
- Tamaya
- Toree
- Unomi

This represents ~50% of all podlings.

\* Ready to graduate

The Board has motions for the following:

- None

\* Did not report, expected next month

- ODF Toolkit (2 months in a row)
- Sirona
- Weex

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S2Graph  
SensSoft  
Slider  
Spot  
SystemML  
Tamaya  
Toree  
Unomi

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## Blur

Blur is a search platform capable of searching massive amounts of data in a cloud computing environment.

Blur has been incubating since 2012-07-24.

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

1. Greater community involvement.
2. Produce releases.
- 3.

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

Lack of community involvement has brought the topic of retirement to the blur-dev list.

[http://mail-archives.apache.org/mod\\_mbox/incubator-blur-dev/201702.mbox/%3Cpony-4f6911432c0e56d59d8abe5b65087e9956a6af1e-bfe4bfa9a663176fde9c80c2d11c9dc3c6e81311%40blur-dev.incubator.apache.org%3E](http://mail-archives.apache.org/mod_mbox/incubator-blur-dev/201702.mbox/%3Cpony-4f6911432c0e56d59d8abe5b65087e9956a6af1e-bfe4bfa9a663176fde9c80c2d11c9dc3c6e81311%40blur-dev.incubator.apache.org%3E)

We feel that the board should be aware of a potential retirement to the project.

How has the community developed since the last report?

Subscriptions: user@ - 61[-1]; dev@ - 77[-1]  
The community involvement has not really changed over the past few months.

How has the project developed since the last report?

- Nothing has changed since the last report.

Date of last release:

2014-07-29

When were the last committers or PMC members elected?

2014-07-28

Signed-off-by:

[ ](blur) Doug Cutting  
[X](blur) Patrick Hunt  
[ ](blur) Tim Williams

Shepherd/Mentor notes:

John D. Ament:

Sent a note to the podling RE lack of change in status. Asked to contemplate retirement.

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Apache CarbonData is an indexed columnar data format for fast analytics on big data platform, e.g. Apache Hadoop, Apache Spark, etc.

CarbonData has been incubating since 2016-06-02.

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

1. Already finished 4 apache releases and all driven by different release managers.
2. The community is growing well:
  - a. There are more than 60+ contributors from different organizations, increasing the diversity.
  - b. Increased mailing list activity, the solutions be discussed by mailing list and users can get efficient helps to quickly solve their issues by mailing list
3. Finish all INFRA built: github, CI, website, Cwiki and so on.

We think we are very close to the graduation and we are focused on the last steps for the graduation.

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?

- Increased mailing list activity: solutions be discussed and decided in mailing list.
- More than 20+ new contributors from different organizations since November.
- Organized two meetup, the attendees was more than 100+.
- There are more than 10+ organizations decided to use Apache CarbonData and 6 of them already formally deployed in business system.

How has the project developed since the last report?

- Since November 1,306 issues+ have been reported on JIRA site and 294 have been resolved or closed. Since November 1,282+ pull requests have been created and 268+ pull requests have been closed.
- Finished a new release 1.0.0, which improved the ecosystem integration with Apache Hadoop, Apache Spark, Apache Flink.
- Created Jenkins CI and Travis CI.
- Created the website: <http://carbondata.incubator.apache.org>.
- Finished podling suitable names search, and the name of "Apache CarbonData" got approved.

<https://issues.apache.org/jira/browse/PODLINGNAMESEARCH-117>

Date of last release:

2017-01-29

When were the last committers or PMC members elected?

We elected Kumar Vishal as new committer on 2016-10-15.

We are voting a new Committer(He xiaoqiao) on the private mailing list.

Signed-off-by:

[X] (carbodata) Henry Saputra  
[X] (carbodata) Jean-Baptiste Onofre  
[X] (carbodata) Uma Maheswara Rao G

Shepherd/Mentor notes:

Drew Farris (shepherd):

Two mentors active on the mailing lists. Healthy community activity and progress over the last month.

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DataFu

DataFu provides a collection of Hadoop MapReduce jobs and functions in higher level languages based on it to perform data analysis. It provides functions for common statistics tasks (e.g. quantiles, sampling), PageRank, stream sessionization, and set and bag operations. DataFu also provides Hadoop jobs for incremental data processing in MapReduce.

DataFu has been incubating since 2014-01-05.

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

1. Resolve NOTICE and LICENSE issues for binary distributions
2. Continued releases
3. Increased committer activity

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?

Received a patch from a new contributor.

How has the project developed since the last report?

No updates

Date of last release:

2016-08-10

When were the last committers or PPMC members elected?

July 2016 (Eyal Allweil)

Signed-off-by:

[ ](datafu) Ashutosh Chauhan  
[X](datafu) Roman Shaposhnik  
[ ](datafu) Ted Dunning

Shepherd/Mentor notes:

Roman Shaposhnik:

I really think we need to do one final push and either graduate or retire.

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DistributedLog

DistributedLog is a high-performance replicated log service. It offers durability, replication and strong consistency, which provides a fundamental building block for building reliable distributed systems.

DistributedLog has been incubating since 2016-06-24.

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

1. Continue to grow the community, and increase diversity of community.
2. Improve documentation, including documentation of project and processes.
3. Successful releases.

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. Increase in contributions from community.
  - 127 created and 103 resolved issues in community JIRA between Nov 2016 and Feb 2017.
2. Lots of engagements on feature proposals - 7 improvement proposals.
3. Increased traffic on the mailing list, in particular, due to committers engaging more actively with contributors.
  - we have 43 people subscribed mail list.

How has the project developed since the last report?

The community is voting for release 0.4.0-incubating.

Date of last release:

None

When were the last committers or PPMC members elected?

N/A

Signed-off-by:

[X](distributedlog) Flavio Junqueira  
[X](distributedlog) Chris Nauroth  
[X](distributedlog) Henry Saputra

Shepherd/Mentor notes:

Flavio Junqueira:

The project has been progressing well despite the absence of a release. The community has put a release candidate together, but unfortunately we didn't that it was missing a few important additions and changes (e.g., DISCLAIMER and license header). I'm happy with the community development. There is interest and new contributors are continuously joining.

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Edgent

Edgent is a stream processing programming model and lightweight runtime to execute analytics at devices on the edge or at the gateway.

Edgent has been incubating since 2016-02-29.

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

1. Create and expand a diverse community of contributors and committers around the Edgent project
2. Checking of all items in the project's Maturity Model  
<https://cwiki.apache.org/confluence/display/EDGENT/Apache+Maturity+Model+For+Edgent>
3. Create a second release of Apache Edgent with additional features and fixes.

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?

- \* A well attended meetup in San Francisco, CA about Apache Edgent was held on January 18th. It covered introductory concepts of datastreaming, the positioning of Edgent in the datastreaming universe, and examples and use cases of Edgent. The meetup was attended by roughly 40 developers.  
"Apache Edgent: Datastreaming and Analytics for IoT Devices "  
<https://www.meetup.com/SF-Data-Science/events/236682354/>
- \* There has been at least one question both asked and answered on Stackoverflow by a non-committer non-PPMC member of the community.  
<http://stackoverflow.com/questions/41280097/joining-streams-of-different-types-in-apache-edgent>
- \* Since the last report, at least 5 individuals have subscribed to the Apache Edgent dev mailing list.

How has the project developed since the last report?

- \* The first release of Edgent as part of the Apache incubator was created on 2016-12-15. This represents a large amount of work, including numerous improvements to connectors, the console, and a complete overhaul of the build system to use Gradle.
- \* According to JIRA, the project has added the following:
  - \* November 2016: 6 new issues; 18 issues resolved.
  - \* December: 18 new issues; 29 issues resolved.
  - \* January: 15 new issues; 12 issues resolved

Date of last release:

- \* The most recent release of Apache Edgent was 2016-12-15.

When were the last committers or PMC members elected?

- \* In May 2016, we added two new committers and PPMC members, Kathy Saunders and Queenie Ma.

Signed-off-by:

```
[ ](edgent) Daniel Debrunner
[ ](edgent) Luciano Resende
[X](edgent) Katherine Marsden
[X](edgent) Justin Mclean
```

Shepherd/Mentor notes:

Katherine Marsden:

Checking of the Maturity model is not yet complete and is just being used as an aid to help assess our progress. Hopefully now that we have a release and with the meetup we will have more people get interested and involved. The active development community, while still small seems to be communicating well on the list and it was great to see the release.

Justin Mclean:

Great work on the release, project progressing along well.

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Fineract



Fineract is an open source system for core banking as a platform.

Fineract has been incubating since 2015-12-15.

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

1. Addressing areas of concern raised by community based on our Maturity Evaluation including:
  - \* Full documentation of our release management process
  - \* Implementation of Findbugs to show commitment to quality of code
  - \* Preparation of our community to respond any security threats or vulnerabilities that are reported.
  - \* Improvement of backwards compatibility of APIs and communication of breaking changes with each release.
  - \* Updating Apache Fineract webpage with latest releases.
2. Adding new committers and contributors to the project.
3. Continuing to move over additional documentation and providing full clarity to our community on how and where to report issues via the issue tracker.

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

How has the community developed since the last report?

- \* Community continues to stay strongly engaged on the mailing lists with active reporting of issues via the mailing list and issue tracker.

How has the project developed since the last report?

- \* The community has made 2 additional releases since the last report.
- \* Our second release was made on December 21, 2016 with three binding votes from the community.
- \* Our third release was made on January 17, 2017 with three binding votes from the community.

Date of last release:

2017-01-17

When were the last committers or PPMC members elected?

2016-05-16

Signed-off-by:

[ ](fineract) Ross Gardler  
[ ](fineract) Greg Stein  
[X](fineract) Roman Shaposhnik

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Fluo

Fluo is a distributed system for incrementally processing large data sets stored in Accumulo.

Fluo has been incubating since 2016-05-17.

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

1. Attract new contributors and users
2. Additional releases
- 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?

- \* Its been quiet.

How has the project developed since the last report?

- \* Wrote two blog post to help raise awareness of Fluo.
  - <http://fluo.apache.org/blog/2016/12/22/spark-load/>
  - <http://fluo.apache.org/blog/2016/11/10/immutable-bytes/>
- \* Made many improvements and bug fixes. Need to start planning for next release.
- \* Experimented with setting Apache Logo as twitter header. Shared this with members list and a few other Apache projects did something similar. <https://twitter.com/apachefluo>

Date of last release:

2016-10-28

When were the last committers or PPMC members elected?

Never

Signed-off-by:

[x](fluo) Billie Rinaldi  
[x](fluo) Drew Farris  
[x](fluo) Josh Elser

Shepherd/Mentor notes:

Josh Elser:

The current podling members are all rather experienced in running (other) TLPs and this has been obvious in their actions as a podling. They are doing a very good job, but the group still struggles with attracting new committers to the project. They are making efforts here, but not seeing any result from those actions yet. This is the biggest barrier to graduation, IMO.

-----  
Guacamole

Guacamole is an enterprise-grade, protocol-agnostic, remote desktop gateway. Combined with cloud hosting, Guacamole provides an excellent alternative to traditional desktops. Guacamole aims to make cloud-hosted desktop access preferable to traditional, local access.

Guacamole has been incubating since 2016-02-10.

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

1. Identifying contributors with merit warranting committership
2. Engaging mentors to assess podling status and provide guidance
3. Ensuring mentors are subscribed to the lists and are generally aware of podling status/activities

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

Not at present.

How has the community developed since the last report?

Frequency and complexity of contributions seem to be increasing. Community presence and activity on the mailing lists has also increased due to the use of Nabble to provide a forum-like interface.

How has the project developed since the last report?

The project has succeeded in producing its first release under the Incubator, 0.9.10-incubating, and the process is already underway for producing the next, with the IPMC vote for release having been started on 2017-01-26.

With the first release out of the way, development is finally moving smoothly again. We have adopted a branching workflow which allows development to continue unhindered, with only the release scope being frozen.

Date of last release:

2016-12-29 (0.9.10-incubating)

When were the last committers or PMC members elected?

The most recent committer, Frode Langelo, was accepted into the project by VOTE on 2016-04-03, with the required ICLA received on 2016-04-05.

As of the VOTE on 2016-12-09, all committers are implicitly members of the PPMC.

Signed-off-by:

[X](guacamole) Jean-Baptiste Onofre  
[ ](guacamole) Daniel Gruno  
[ ](guacamole) Olivier Lamy  
[X](guacamole) Jim Jagielski  
[X](guacamole) Greg Trasuk

Shepherd/Mentor notes:

Greg Trasuk:

Watching the dev list, I've seen good discussions of features and engagement of users and potential developers. Community seems to be operating well and making decisions on-list.

-----  
Impala

Impala is a high-performance C++ and Java SQL query engine for data stored in Apache Hadoop-based clusters.

Impala has been incubating since 2015-12-03.

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

1. Community growth
2. Transition of bug tracker to issues.apache.org
3. Evolution of documentation to describe specifically Apache Impala

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

No

How have the community and project developed since the last report?

Our last report was in November. Since then, there have been 148 commits. 49 commits were authored by non-committers, of which 4 new commits come from 3 new contributors. dev@ received 496 emails and user@ received 53. 443 new issues have been filed. There has been one release (our second Apache release) and we have added one new PPMC member. Our infrastructure has been transitioning: we moved our pre-commit testing out of our old, pre-Apache hosting and we have been actively working with Gavin McDonald on migrating our JIRA hosting.

Date of last release:

2017-01-22

When were the last committers or PPMC members elected?

2017-01-12

Signed-off-by:

[x](impala) Tom White  
[x](impala) Todd Lipcon  
[ ](impala) Carl Steinbach  
[ ](impala) Brock Noland

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iota

Open source system that enables the orchestration of IoT devices.

iota has been incubating since 2016-01-20.

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

1. Getting a release out based on the current code base - will will commit to do that this quarter
2. Using the mailing list to discuss current and future development and needs - we commit more regular dialogue on the mailing list
3. Growing the community - we have been slow to get off the ground and need to put more effort in here - we will commit to do more outreach to grow the community

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

We realize we have been a little slow is getting off the ground as an Apache Project. I have spoken to Hadrian Zbarcea and explained to him why this has been the case. We are really committed to iota as a technology and commit to put more effort into making this a successful project.

How has the community developed since the last report?

No - we need to spend time on this and we will do so.

How has the project developed since the last report?

We have added global performers

Date of last release:

XXXX-XX-XX

When were the last committers or PPMC members elected?

Yes - Barbara Gomes was added as a committer on 12/02/2016

Signed-off-by:

[ ](iota) Daniel Gruno  
[ ](iota) Sterling Hughes  
[X](iota) Justin Mclean  
[ ](iota) Hadrian Zbarcea

Shepherd/Mentor notes:

Justin Mclean:

Project is still having issues with doing development in an open way after a year of incubation. They now realise this is an issue will hopefully correct. If not I question if Apache is right place for this project.

-----

Joshua

Joshua is a statistical machine translation toolkit

Joshua has been incubating since 2016-02-13.

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

1. Putting together a formal release.
2. Identifying specific use cases that we might excel at.
3. Attracting active developers and users.

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

None that come to mind.

How has the community developed since the last report?

We have added some new members. The Joshua PPMC has also been VOTE'ing actively and have received (and are acting upon) feedback from the IPMC on our mlst recent release candidate.

How has the project developed since the last report?

Things have stalled a bit over the winter holidays, but we have recently started to pick things up again. As always, a release is imminent.

Date of last release:

N/A.

When were the last committers or PPMC members elected?

Per <http://incubator.apache.org/projects/joshua.html>:

- 2016-11-16 Michael A. Hedderich (mhedderich) joins the Joshua PPMC + Committership.
- 2016-11-16 Tobias Domhan (tdomhan) joins the Joshua PPMC + Committership.
- 2016-11-02 Max Thomas (mthomas) joins the Joshua PPMC + Committership.

Signed-off-by:

[ ](joshua) Paul Ramirez  
[X](joshua) Lewis John McGibbney  
[ ](joshua) Chris Mattmann  
[X](joshua) Tom Barber  
[ ](joshua) Henri Yandell

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Milagro

Distributed Cryptography; M-Pin protocol for Identity and Trust

Milagro has been incubating since 2015-12-21.

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

1. Develop MILAGRO toolbox
2. Creating full working MILAGRO ecosystem, based on MILAGRO crypto library - further research and development (IoT, blockchain, fractions etc.)
3. Building the MILAGRO community - engaging developers and cryptographers, raising awareness and helping to secure future of internet.

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?

After ApacheCon in Spain - MILAGRO was in the scope of interest, and we can see the increasing community interest in MILAGRO ecosystem. In December 2016 MILAGRO ecosystem draft was published on MILAGRO mailing list and now we are looking to begin development of new structure.

How has the project developed since the last report?

In last few months the MILAGRO ecosystem proposal was developed and published in order to organize, and prioritize the MILAGRO workflow. In order to develop new structure, we are discussing new architecture of MILAGRO repositories.

Date of last release:

n/a

When were the last committers or PPMC members elected?

n/a

Signed-off-by:

[ ](milagro) Sterling Hughes  
[ ](milagro) Jan Willem Janssen  
[\*](milagro) Nick Kew

Shepherd/Mentor notes:

Nick Kew:

I find it frustrating that after a year in incubation, dev activity and decisions still appear to be happening away from the dev list. Consequently there is little community activity beyond sporadic questions and answers which, while good, could equally be served by github alone. I have discussed this with some of the team and understand there are good intentions for a push, and intend to post a critique of this report to try and 'nudge' the project.

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MXNet

MXNet is an open-source deep learning framework that allows you to define, train, and deploy deep neural networks on a wide array of devices, from cloud infrastructure to mobile devices. It is highly scalable, allowing for fast model training, and supports a flexible programming model and multiple languages.

MXNet has been incubating since 2017-01-23.

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

1. Getting ICLAs signed/private@ populated.
2. Sharing documentation/mentor thoughts on being an Apache committer.
3. Migrating the code/issues over to Apache.

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. This is our first report.
2. The mailing lists are created; with the dev@ list being well populated.
3. ICLAs are being signed.

How has the project developed since the last report?

1. Trademark review seems complete.

2. A vendor, AWS, worked with Sally on a blog posting[1].

Date of last release:

No Apache release yet; still being setup.

When were the last committers or PPMC members elected?

At Proposal time. We have a few folk who asked to join the incubation proposal after the vote started and will be discussed once private@ is populated.

[1] - <https://aws.amazon.com/blogs/aws/excited-about-mxnet-joining-apache/>

Signed-off-by:

[X](mxnet) Henri Yandell  
[X](mxnet) Markus Weimer  
[X](mxnet) Sebastian Schelter  
[X](mxnet) Suneel Marthi

Shepherd/Mentor notes:

John D. Ament:

I find it a bit odd that the linked article uses "MXNet" repeatedly but only refers to it as "Apache MXNet" once near the end of the page.

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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.

OpenWhisk has been incubating since 2016-11-23.

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

1. Moving github repos under the Apache Github Org (organization move, repository renames)
2. Working to redirect [openwhisk.incubator.apache.org](http://openwhisk.incubator.apache.org) to [openwhisk.org](http://openwhisk.org), update [openwhisk.org](http://openwhisk.org) to be Apache compliant
3. Review and update project checklist  
<http://incubator.apache.org/projects/openwhisk.html>

Some items should be mark done (around infra), CLA's have been confirmed for all Committers. URL/links need to be updated.

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

- No issues so far

How has the community developed since the last report?

- All Initial Committers now have ICLA's and have access to private email list
- Nearly all pre-Incubator active contributors have signed ICLAs, a few new contributor ICLAs have been received
- Project GitHub (all repos.) now govern access via 3 "Teams" Committer (write), Contributor-CLA (read), Contributor (read/default)
- "dev", "private" email list traffic continues to be healthy; positive discussion of a few new code feature/change topics
- GitHub project "Stars" = 1024 (a nice binary number), up a couple dozen from last month

How has the project developed since the last report?

- Updated CONTRIBUTING.md to ref. Apache processes, Added CREDITS.txt to all repos., in process of changing all code headers to use Apache approved text. Need to update Travis CI checks to look for new header (per repo. basis)
- Confluence WIKI established:  
<https://cwiki.apache.org/confluence/display/OPENWHISK/OpenWhisk+Project+Wiki>
- added project overview and contributor/commmitter role/process descriptions
- website updates continue, now include "Incubator" disclaimer, working issues opened by community to list "supporters" and provide a form to submit to request to be added.
- deprecated "whisk" object for Nodejs6 runtime (javascript) actions/functions in favor of single dictionary and use of Nodejs built-in "promises"
- Size limits discussed and being updated for per-request/response for actions (and sequences) to preserve performance/reliability
- Discussing proposals for the proper use and optimization of KV stores for configurations information (along with Ansible for deployments)
- API gateway moved to support LUA as plug-in model, added OAuth support. Client ID/secret validation, Dynamic upstream routing using Redis
- An OpenWhisk plug-in contribution was accepted for the serverless.com framework  
<https://serverless.com/blog/openwhisk-integration-with-serverless/>

Date of last release:

- No release yet

When were the last committers or PPMC members elected?

- No activity

Signed-off-by:

```
[ ](openwhisk) Felix Meschberger
[ ](openwhisk) Isabel Drost-Fromm
[X](openwhisk) Sergio Fernández
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Shepherd/Mentor notes:

John D. Ament:

OpenWhisk is our GitHub as master guinea pig. However, they still don't have source code in our organization. Not sure what we can do to help, or why that isn't listed as a problem or issue.

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PredictionIO

PredictionIO is an open source Machine Learning Server built on top of a state-of-the-art open source stack, that enables developers to manage and deploy production-ready predictive services for various kinds of machine learning tasks.

PredictionIO has been incubating since 2016-05-26. The initial code for PredictionIO was granted on 2016-06-16. The second grant of PredictionIO templates and SDKs was granted on 2016-09-20.

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

1. Establish a formal release schedule and process, allowing for dependable release cycles in a manner consistent with the Apache way.
2. Grow the community to establish diversity of background.
3. Transition remaining former PredictionIO users from google-groups to ASF mailing lists.

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. Both user and development mailing lists are more active than the last report.
2. There are major feature contributions from both new committers and the community.
3. The ecosystem around engine templates is gaining traction. There are several new templates added to the engine template gallery.
4. Local user groups are budding, e.g. Japan PredictionIO User Group.

How has the project developed since the last report?

1. Several major feature contributions are under review.
2. The second release is on track for early February release.
3. There have been active discussions which have driven a solid roadmap for future releases, especially centering around microservice architecture, stateless builds, and running from anywhere with a centralized metadata registry.

Date of the last release:

Apache PredictionIO 0.10.0-incubating on 2016-10-17

When were the last committers or PMC members elected?

Chan Lee was elected as committer and PMC member on Nov 14, 2016.  
Marcin Ziemiski was elected as committer and PMC member on Nov 14, 2016.

Signed-off-by:

[X](predictionio) Andrew Purtell  
[ ](predictionio) James Taylor  
[ ](predictionio) Lars Hofhansl  
[x](predictionio) Luciano Resende  
[ ](predictionio) Xiangrui Meng  
[X](predictionio) Suneel Marthi

Shepherd/Mentor notes:

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Ratis

Ratis is a java implementation for RAFT consensus protocol. Ratis aims to make raft available as a java library that can be used by any system that needs to use a replicated log.

Ratis has been incubating since 2017-01-03.

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

1. Setup wiki, jenkins
2. Start active development in Apache.
3. Make the first 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?

- This is the first report, we are still bootstrapping. The mailing lists became available very recently.

How has the project developed since the last report?

- This is the first report, we are still bootstrapping. We are working with INFRA to get committer access.

Date of last release:

None

When were the last committers or PPMC members elected?

Only initial set of committers. This is the first report.

Signed-off-by:

[X](ratis) Chris Nauroth  
[x](ratis) Devaraj Das  
[ ](ratis) Jakob Homan  
[X](ratis) Uma Maheswara Rao G

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RocketMQ

RocketMQ is a fast, low latency, reliable, scalable, distributed, easy to use message-oriented middleware, especially for processing large amounts of streaming data.

RocketMQ has been incubating since 2016-11-21.

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

1. Grow the community
2. Make our first Apache release
3. Vote in our first committer / PMC members

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?

- \* Several people have contributed a number of accepted PRs to the code base
- \* Discussions are taking place on the dev@ mailing and traffic has increased
- \* Development occurring at <https://github.com/rocketmq> is going to be brought back into the project
- \* Increase in JIRA activity and 80% of raised issues resolved
- \* Small lull in activity due to Chinese New Year

How has the project developed since the last report?

- \* Project been successfully moved to Apache infrastructure
- \* Moved towards creating first Apache release

Date of last release:

No releases yet but first release currently being discussed and will be voted on soon.

When were the last committers or PPMC members elected?

No elections have taken place yet but discussions are taking place.

Signed-off-by:

[ ](rocketmq) Bruce Snyder  
[ ](rocketmq) Brian McCallister  
[ ](rocketmq) Willem Ning Jiang  
[ ](rocketmq) Luke Han  
[X](rocketmq) Justin McLean

Shepherd/Mentor notes:

Justin Mclean:

Project is off to a fast start and will have a release out and is likely to have committers voted in before next report. There's been IMO a few teething issues re development outside the project and PRs being closed with explanation but on-list discussions have resolved these issues amicably.

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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 second 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?

- \* Participated in Apache Big Data and ApacheCon Europe, Sevilla, Spain.
  - Core: <https://apachebigdataeu2016.sched.com/event/8U00/graph-processing-with-apache-tinkerpop-on-apache-s2graph-doyung-yoon-kakao-corp>
  - Use case: <https://apachebigdataeu2016.sched.com/event/8U0P/apache-s2graph-incubating-as-a-user-event-hub-hyunsung-jo-daewon-jeong-hwansung-yu-kakao-corp>
- \* Discussion regarding adding new committers is in progress.

How has the project developed since the last report?

- \* Integration with Apache TinkerPop3 has begun.
- \* Discussion regarding second release is in progress.
- \* Issues created - resolved: 25 - 19

Date of last release:

Apache S2Graph 0.1.0-incubating on 2016-11-01.

When were the last committers or PMC members elected?

None

Signed-off-by:

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

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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. Moving towards the first Incubating release of the source code and other release artifacts.
2. Grow the Apache SensSoft (Incubating) community.
3. Complete the issues highlighted at the SensSoft Roadmap  
<https://cwiki.apache.org/confluence/display/SENSSOFT/Roadmap>

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?

SensSoft has seen increased uptake in ongoing DARPA projects meaning that there is increased opportunity for adoption as the Podling matures and aims for the first incubating release.

How has the project developed since the last report?

The PPMC have developed a stunning/killer Website which embeds a demo:  
<http://senssoft.incubator.apache.org>

The codebase has seen a bunch of commits and we are ready to move towards the first incubating release.

Date of last release:

N/A

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  
[X](senssoft) Lewis John McGibbney  
[ ](senssoft) Chris Mattmann

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Sirona

Monitoring Solution.

Sirona has been incubating since 2013-10-15.

Shepherd/Mentor notes:

Justin Mclean:

No report and very little activity on list, last releases in late 2015.  
Probably time to ask if there 3 active PMC members and think of ways to attract committers.

John D. Ament:

Emailed podling, retirement is likely.

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Slider

Slider is a collection of tools and technologies to package, deploy, and manage long running applications on Apache Hadoop YARN clusters.

Slider has been incubating since 2014-04-29.

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

1. Apache Slider community/PPMC has voted to move portions of Slider into Apache Hadoop YARN as modules. It is possible that the remaining pieces will be moved at a later point in time or become obsolete or evolve to work closely with YARN. Slider PPMC will decide what makes the most sense as we progress through this exciting time.
2. Getting more external users
3. Growth of a diverse set of developers/committers/PMC members is also

crucial towards the final state of Slider

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?

There has been one new contributor since the last report. Mailing list activity has been lower due to the bulk of the development moving to an Apache Hadoop branch, but the lists are still active.

How has the project developed since the last report?

Work continues in parallel on the Apache Hadoop yarn-native-services branch and on the Slider podling. The bulk of the work has been in yarn-native-services, while a few Slider patches (related to critical issues or agent-only issues) have been committed as well.

Date of last release:

2016-06-28 slider-0.91.0-incubating

When were the last committers or PMC members elected?

2015-07-07: Yu (Thomas) Liu

Signed-off-by:

[ ](slider) Arun C Murthy  
[x](slider) Devaraj Das  
[ ](slider) Jean-Baptiste Onofré  
[ ](slider) Mahadev Konar

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Spot

Apache Spot is a solution stack that provides the capability to ingest IT related telemetry (network flows, domain name service information and proxy server logs) and provide unsupervised machine learning capabilities to identify suspicious activity. The information is organized and presented using operational analytics so that a security analyst can investigate the most suspicious connections. Apache Spot is built on an open data model using Apache Spark and Apache Hadoop.

Spot has been incubating since 2016-09-23.

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

1. Move infrastructure and development to ASF (code, issues, mailing list, ...)
2. Build diverse community
3. Demonstrate ability to create releases

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

IPMC this point has been posted on the last two report, we have not received any feedback in terms of how it goes, please comment.

Please elaborate on the process for code scanning and IP reviews. On the last report this was brought to attention but no communication was received.

How has the community developed since the last report?

Community is pushing more aggressively on project interaction which is good, by opening issues on ASF JIRA, some of them have been closed with their respective PR for bug fixing. Also developers in Brazil are proposing a new UI schema by their own, which once is voted will

incorporate as contribution/new functionality towards our first Apache release.

Adoption rate and popularity of the project has been recognized by Industry receiving an award from Infoworld as Technology of the year and also finalist on Edison Awards.

How has the project developed since the last report?

The Spot team launched a new project webpage version which incorporate the long term vision and objectives of Apache Spot, and also includes a new documentation package which is similar in structure to other ASF projects.

Two new processes were published to explain on commits and how to open issues, providing a structured frame that Community in general can follow up in order to facilitate follow-up in combination of technology tools, that can facilitate the life cycle continuity.

During this period 14 pull request were merged over different pipeline components , as committers work also on the new design for data storage through non-relational database technologies.

Also facilitating a quick demo of the project, we have updated our container demo, and added automation in order to reflect those changes as commits to UI are pulled to ASF Git repository.

Date of last release:

N/A

When were the last committers or PMC members elected?

Last committer was elected on 1/24

Signed-off-by:

[ ](spot) Jarek Jarcec Cecho  
[ ](spot) Brock Noland  
[ ](spot) Andrei Savu  
[X](spot) Uma Maheswara Rao G

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SystemML

SystemML provides declarative large-scale machine learning (ML) that aims at flexible specification of ML algorithms and automatic generation of hybrid runtime plans ranging from single node, in-memory computations, to distributed computations running on Apache Hadoop MapReduce and Apache Spark.

SystemML has been incubating since 2015-11-02.

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

1. Grow SystemML community: increase mailing list activity, increase adoption of SystemML for scalable machine learning, encourage data scientists to adopt DML and PyDML algorithm scripts, respond to user feedback to ensure SystemML meets the requirements of real-world situations, write papers, and present talks about SystemML.
2. Continue to produce releases.
3. Increase the diversity of our project's contributors and 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?

Our mailing list from November through January had 249 messages on a variety of topics. We gained 2 new contributors to the project since

November 1. On GitHub, the project has been starred 451 times and forked 168 times. Elgamal et al wrote the paper "SPOOF: Sum-Product Optimization and Operator Fusion for Large-Scale Machine Learning," which was presented at CIDR'17 in January.

How has the project developed since the last report?

The main project has had 114 commits since November 1. 90 pull requests have been created since November 1, and 79 pull requests have been closed. Since November 1, 143 issues have been reported on our JIRA site and 64 of these have been resolved or closed.

Date of last release:

2016-11-13 (version 0.11.0-incubating)

When were the last committers or PPMC members elected?

2017-01-19 Nakul Jindal (Committer and PPMC)

Signed-off-by:

```
[x](systemml) Henry Saputra
[x](systemml) Luciano Resende
[ ](systemml) Patrick Wendell
[ ](systemml) Reynold Xin
[ ](systemml) Rich Bowen
```

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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. Extend Community
2. Improve Documentation / finish new homepage
3. Start graduation after 0.3 is out

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

We are thinking about graduating after the next release since our new homepage contains information about many new features and we do have a new module structure.

How has the community developed since the last report?

On conferences and after Oracle dropped the configuration JSR many conversations started about Configuration in the Java world. Apart from bugfixes the main new features is basic OSGi support (currently still in development in sandbox module).

Weekly hangouts (monday 8pm Berlin time) take place to have shorter feedback cycles, minutes are communicated via mail.

How has the project developed since the last report?

The infrastructure runs much more smoothly with the new module structure: core, extensions, sandbox and a separate project for the homepage based on jBake.

OSGi support is a big thing since different OSGi containers have their problems. Good contact to Apache Karaf developers.

New homepage with new structure and more information available as

prototype via: <https://tamaya.apache.org/jbake/> Homepage is connected to its repository via gitpubsub.

Date of last release:

2016-04-06

When were the last committers or PPMC members elected?

P. Ottlinger at 2016-04-24.

Signed-off-by:

[X](tamaya) John D. Ament  
[ ](tamaya) David Blevins

Shepherd/Mentor notes:

John D. Ament:

Podling is having some initial conversations around graduation.

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Toree

Toree provides applications with a mechanism to interactively and remotely access Apache Spark. It enables interactive workloads between applications and a Spark cluster. As a Jupyter Notebook extension, it provides the user with a preconfigured environment for interacting with Spark using Scala, Python, R or SQL.

Toree has been incubating since 2015-12-02.

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

1. Make a release: The community is working on RC from 0.1.x branch. Master has moved to start support for Spark 2.0. Currently working on RC5.
2. Grow a diverse community: We should put some emphasis on growing the community and making it diverse (the rule is at least three independent contributors) In progress.

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. Active communication in mailing list and gitter with early adopters
2. Migrated gitter to away from ibm-et/spark-kernel to apache/toree
3. More external contributions being made. Mainly focused on master to stabilize Spark 2.0 support

How has the project developed since the last report?

1. Still working on 1st release. Removed several legacy binaries from release builds that were not in compliance with Apache release processes. Will be starting the vote for RC5 shortly
2. Addressing issues opened by community

Date of last release:

None since incubation.

When were the last committers or PMC members elected?

No new additions since incubation

Signed-off-by:



[X](toree) Luciano Resende  
[ ](toree) Reynold Xin  
[ ](toree) Hitesh Shah  
[ ](toree) Julien Le Dem

Shepherd/Mentor notes:

Drew Farris (shepherd):

Two mentors active on the mailing lists. Evident progress toward 0.1.0 release observed on mailing lists.

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Unomi

Unomi is a reference implementation of the OASIS Context Server specification currently being worked on by the OASIS Context Server Technical Committee. It provides a high-performance user profile and event tracking server.

Unomi has been incubating since 2015-10-05.

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

1. Stable release with extended tests
2. Promote the project and grow up 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?

The PPMC voted two new committers on the project: Damien Gaillard and Abdelkader Midani.

We expect traction around the coming release and new updated on the website (factual use cases).

How has the project developed since the last report?

After the 1.1.0-incubating release, we are now preparing 1.2.0-incubating release.

We improved the tests coverage, including performance benchmark (tests have been performed with 5M of profiles, and 35M events for instance).

Date of last release:

2016-10-03

When were the last committers or PMC members elected?

2017-01-23

Signed-off-by:

[X](unomi) Jean-Baptiste Onofré  
[ ](unomi) Bertrand Delacretaz