

March2014

⚠ FINAL ⚠

This report has been submitted to the Board. Please do not edit further.

Incubator PMC report for March 2014

Timeline

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

Shepherd Assignments

Alan D. Cabrera	Drill
Alan D. Cabrera	Storm
Andrei Savu	DataFu
Andrei Savu	Tajo
Dave Fisher	Phoenix
John Ament	BatchEE
John Ament	S4
Justin Mclean	Allura
Matthew Franklin	Falcon
Matthew Franklin	log4cxx2
Raphael Bircher	Kalumet
Raphael Bircher	Streams
Roman Shaposhnik	DeviceMa p
Roman Shaposhnik	MRQL
Roman Shaposhnik	Sirona
Ross Gardler	Wave
Suresh Marru	NPanday
Suresh Marru	Sentry

Report content

Incubator PMC report for March 2014

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 33 podlings currently under incubation.

* Community

New IPMC members:

Justin Mclean

People who left the IPMC:

(None)

* New Podlings

(None)

* Graduations

The board has motions for the following:

(None)

The following graduations have been approved by the previous board meeting but haven't been recorded in the incubator report:

Knox
Spark

* Releases

The following releases were made since the last Incubator report:

Feb 2 Apache Spark 0.9.0-incubating
Feb 2 Apache Falcon 0.4-incubating
Feb 5 Apache Twill 0.1.0-incubating
Feb 10 Apache Olingo 1.1.0-incubating
Feb 21 Apache Storm 0.9.1-incubating
Feb 24 Apache Celix 1.0.0-incubating
Feb 28 Apache Tez 0.3.0-incubating

It took 2-10 days for the third IPMC vote to arrive.

Release	VOTE start	Third IMPC +1	Days
Apache Spark 0.9.0-incubating	Jan 24	Jan 31	5
Apache Falcon 0.4-incubating	Jan 24	Feb 2	10
Apache Twill 0.1.0-incubating	Feb 1	Feb 4	3
Apache Olingo 1.1.0-incubating	Jan 31	Feb 10	10
Apache Storm 0.9.1-incubating	Feb 13	Feb 16	3
Apache Celix 1.0.0-incubating	Feb 16	Feb 22	6
Apache Tez 0.3.0-incubating	Feb 26	Feb 28	2

* Miscellaneous

- * NPanday missed two reports in a row and community activity is low. This has been escalated to the project's mentors.
- * A proposal for Hoya, an application to deploy and manage existing distributed applications in a YARN cluster, is still pending a vote.
- * The Apache Phoenix podling is concerned that an import of existing issues database into ASF JIRA is taking too long

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

* Not yet ready to graduate

No release(s):

BatchEE
DataFu

log4cxx2
Phoenix
Wave
Streams

Community growth:

DeviceMap
Drill
Falcon
MRQL
Kalumet
Streams

Considering retirement:

S4

* Ready to graduate

Allura
Tajo

* Did not report, expected next month

NPanday

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Allura

Forge software for the development of software projects, including source control systems, issue tracking, discussion, wiki, and other software project management tools.

Allura has been incubating since 2012-06-25.

Graduation discussions are currently ongoing.

Community Discussion: <http://markmail.org/message/wdddve3kxceqvgj5>

Podling vote: <http://markmail.org/message/4g54fcxwb4xxys5l>

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?

Two talks about Allura were accepted for ApacheCon. A few small patches

from new contributors. A guide for new contributors was written. One person has expressed interest in participating in the GSoC with Allura.

How has the project developed since the last report?

A second release was made recently (Feb 25). Many new features and fixes continue to land, including a new user profile page design.

Date of last release:

2014-02-25

When were the last committers or PMC members elected?

2013-04-11

Signed-off-by:

[](allura) Ross Gardler
[](allura) Greg Stein
[X](allura) Jim Jagielski

Shepherd/Mentor notes:

Justin Mclean (jmclean):

IPMC has voted for graduation and just started a vote on
general@incubator.

BatchEE

BatchEE projects aims to provide a JBatch implementation (aka JSR352) and a set of useful extensions for this specification.

BatchEE has been incubating since 2013-10-03.

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

1. Build a Community
We really need to work on this. Mark Struberg will hold a talk about BatchEE on JAX in early May 2014 in Mainz
2. Ship stable releases
This looks good so far. We are pretty close on getting a first release out.
3. Establish an ASF culture.
We also need to work on this front. The committer circly does fine on the technical side but we really need to raise attention about the importance of structural things like not pulling in too many foreign dependencies and shipping board reports in time.

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

None yet. We still have to work on a few things but nothing critical. I will make sure we raise issues if we cannot solve them.

How has the community developed since the last report?

The community does not yet grow much in terms of committers. There are quite a few interested users though and the project gets used in production projects already.

How has the project developed since the last report?

We have missed reporting for 2 consecutive months due to time constraints of the involved leaders. We will report the next 3 month to show our

commitment

Date of last release:

none yet. We are preparing to release 0.1-incubating within the next 2 month.

When were the last committers or PMC members elected?

We still have the initial set of committers.

Signed-off-by:

[](batchee) Jean-Baptiste Onofré
[](batchee) Olivier Lamy
[X](batchee) Mark Struberg

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. Building ASF community
2. Release
3. Remaining incubator paperwork

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?

More contributions have been received from Jian Wang, who has also been voted in as the newest committer and PPMC member. A talk is planned at the Apache Pig meetup to be held on March 14th.

How has the project developed since the last report?

Three JIRAs have been opened, four have been closed. The project has migrated from Ant to the Gradle build system, which will make it easier to add libraries for Hive, Crunch, etc.

Date of last release:

None. Second month of incubation.

When were the last committers or PMC members elected?

2014-02-22

Signed-off-by:

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

DeviceMap

Apache DeviceMap is a data repository containing device information, images and other relevant information for all sorts of mobile devices, e.g. smartphones and tablets. While the focus is initially on that data, APIs

will also be created to use and manage it.

DeviceMap has been incubating since 2012-01-03.

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

1. Make a release
2. Get more contributors
3. Grow the community

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

DeviceMap's activity is very low and has actually gone down in the last few months.

The next step is probably for the podling to consider whether it can reasonably expect to grow a community and get more active, or whether it's not active enough to graduate as an Apache project.

How has the community developed since the last report?

No changes.

How has the project developed since the last report?

Minimal changes only.

Date of last release:

None yet.

When were the last committers or PMC members elected?

May 2013

Signed-off-by:

[X](devicemap) Bertrand Delacretaz
[](devicemap) Kevan Miller
[](devicemap) Andrew Savory

Shepherd/Mentor notes:

Roman Shaposhnik (rvs):

I will agree that the community activity is very low and the trend is not positive. I would encourage mentors to probe around the question of potential retirement.

Apache: Project Drill

Description:

Apache Drill is a distributed system for interactive analysis of large-scale datasets that is based on Google's Dremel. Its goal is to efficiently process nested data, scale to 10,000 servers or more and to be able to process petabytes of data and trillions of records in seconds.

Drill has been incubating since 2012-08-11.

Three Issues to Address in Move to Graduation:

1. Continue to attract new developers and and early users with a variety of skills and viewpoints
2. Continue to develop deeper community skills and knowledge by building additional releases
3. Demonstrate community robustness by rotating project tasks among multiple project members

Issues to Call to Attention of PMC or ASF Board:

None

How community has developed since last report:

Community awareness and participation were strengthened through a meeting of the Bay Area Apache Drill User Group in San Jose sponsored by Yahoo! This event expanded participation to include many new to Drill and particularly those interested as potential users (analysts rather than developers).

Speakers included Drill project mentor Ted Dunning from MapR, Data Scientist Will Ford from Alpine Data Labs, new Drill committer Julian Hyde from HortonWorks and Aman Sinha, MapR Drill engineer.

Additional events include:

- Two new Drill committers accepted appointment: Julian Hyde (HortonWorks) and Tim Chen (Microsoft).
- Drill has a new project mentor, Sebastian Schelter.

Mailing list discussions:

Subscriptions to the Drill mailing lists have risen to 399 on dev list and 308 on the user list and 508 uniques across both lists. There has been active and increasing participation in discussions on the developer mailing list, including new participants and developers. Participation on the user list is growing although still small; mainly activity takes place on developer mailing list.

Activity summary for the user mailing list:

http://mail-archives.apache.org/mod_mbox/incubator-drill-user/

February to date 02/26/2014: 25
January 2014, 12
December 2013, 62

Topics in discussion on the user mailing list included but not limited to:

- Feb 2014: Connecting Drill to HBase, Support for Distinct/Count
- Jan 2014: Loading Data into Drill, Data Locality
- December 2013: Loading Data into Drill, Setting Drill with HDFS and other Storage engines

Activity summary for the dev mailing list:

http://mail-archives.apache.org/mod_mbox/incubator-drill-dev/
February to date 02/26/2014: 250 (jira; discussion; review requests)
January 2014, 156 (jira, focused discussions)
December 2013, 51 (jira; focused discussions)

Topics in discussion on the dev mailing list included but not limited to:

- February to date 02/26/2014: How to contribute to Drill; review requests for Drill 357, 346, 366, 364; status of Drill functions including Hash functions; support operators +, - for date and interval arithmetic
- January: Sql Options discussions, Casting discussions, Multiplex Data Channel feedbacks
- December: Guide for new comers contribution, Aggregate functions code gen feedback Code

For details of code commits, see <http://bit.ly/14YPXN9>
There has been continued activity in code commits

19 contributors have participated in GitHub code activity; there have been 116 forks.

February code commits include but not limited to: Support for Information_schema, Hive storage and metastore integration, Optiq JDBC

thinning and refactoring, Math functions rework to use codegen, Column pruning for Parquet/Json, Moving Sql parsing into Drillbit server side, TravisCI setup

January code commits include but not limited to: Implicit and explicit casting support, Broadcast Sender exchange, add TPC-H test queries, Refactor memory allocation to use hierarchical memory allocation and freeing.

Community Interactions

Weekly Drill hangout continues, conducted remotely through Google hangouts Tuesday mornings 9am Pacific Time to keep core developers in contact in realtime despite geographical separation.

Community stays in touch through @ApacheDrill Twitter ID, and by postings on various blogs including Apache Drill User <http://drill-user.org/> which has had several updates and through international presentations at conferences.

Viability of community is also apparent through active participation in the Bay Area Apache Drill User group meeting in early November, which has grown to 440 members.

Sample presentations:

- "How to Use Drill" by Ted Dunning and Will Ford, Bay Area Apache Drill Meet-up 24 February
- "How Drill Addresses Dynamic Typing" by Julian Hyde, Bay Area Apache Drill Meet-up 24 February
- "New Features and Infrastructure Improvements" by Aman Sinha, Bay Area Apache Drill Meet-up 24 February

Articles

Examples of articles or reports on Apache Drill since last report include:

- Drill blog post by Ellen Friedman at Apache Drill User updating community on how people will use Drill and inviting comments/ questions from remote participants as part of the Drill User Group <http://bit.ly/lplQvgn>
- Drill blog post by Ellen Friedman at Apache Drill User reports on appointment of new Drill committers and new mentor <http://bit.ly/JIcwQe>

Social Networking

@ApacheDrill Twitter entity is active and has grown substantially by 19%, to 744 followers.

How project has developed since last report:

1. Significant progress is being made on execution engine and sql front end to support more functionality, also more integrations with storage engines.
2. Work on ODBC driver has begun with a new group led by George Chow in Vancouver.
3. Significant code drops have been checked in from a number of contributors and committers
4. Work toward 2nd milestone is progressing substantially.

Signed-off-by:

[x](drill) Ted Dunning
[x](drill) Grant Ingersoll
[x](drill) Isabel Drost-Fromm
[x](drill) Sebastian Schelter

Shepherd/Mentor notes:

Isabel Drost-Fromm (isabel):

For the next report, please include information on date of last release and when last committer/PMC member was elected.

Falcon

Falcon is a data processing and management solution for Hadoop designed for data motion, coordination of data pipelines, lifecycle management, and data discovery. Falcon enables end consumers to quickly onboard their data and its associated processing and management tasks on Hadoop clusters.

Falcon has been incubating since 2013-03-27.

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

1. Continue to build community
2. Add more committers to the project

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 committers have been invited to join the project
- * More users & contributors have joined the falcon project and the community continues to grow

How has the project developed since the last report?

- * We have had discussions on the mailing list relating to the Roadmap of the project with wide participation from many members in the community.
- * We are currently working on major features to further enhance the project and have a release planned (0.5-incubating) early April
- * There is plenty of activity happening on the project through JIRAs

Date of last release:

2014-02-03 (0.4-incubating)

When were the last committers or PMC members elected?

Two new committers have been invited to join the project.

Signed-off-by:

[](falcon) Arun Murthy
[X](falcon) Chris Douglas
[](falcon) Owen O'Malley
[](falcon) Devaraj Das
[X](falcon) Alan Gates

Kalumet

Kalumet a complete environment manager and deployer including J2EE environments (application servers, applications, etc), softwares, and resources.

Kalumet has been incubating since 2011-09-20.

Community Developement:

Apache Kalumet 0.6-incubating version has been released.

We are in the way of promoting the documentation on the website.

Project Development:

We are preparing the 0.7-incubating release.

Local branches have been created containing:

- new model and REST API
- new webconsole (remove of Echo framework)

Before Graduation (most important issues to address in the move towards graduation):

- The documentation has been updated and aligned with the 0.6-incubating release. The documentation will be promoted on the website and "linked" in announcement e-mails.
- The 0.7-incubating release will fix the graduation issue, especially in term of license (removal of Echo2 framework for the UI).

Post Graduation:

- Kalumet scripts. It's the extension of the "software" concept globally to all Kalumet resources. It will allow users to create custom deployment/update plan, with a set of fine-grained steps.

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

None so far.

Date of the last release: 2013-11-25

No new committer or PMC

NB: Jim Jagielski asked to be retired from the mentors of the project.

Signed-off-by:

[X](kalumet) Jim Jagielski
[](kalumet) Henri Gomez
[](kalumet) Jean-Baptiste Onofre
[](kalumet) Olivier Lamy

log4cxx2

Logging for C++

log4cxx2 has been incubating since 2013-12-09.

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

1. We probably need to decide what's an acceptable platform/compiler list, sort out any remaining hiccups, and then move towards a release.
2. We need to release 0.11.0 as maintenance release.
3. We need to make a broader use of the ASF infrastructure (notably the CI, as well as improved management of the Jira site - notably with triaging), and establish a roadmap for the next releases.

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 committers are still getting acquainted with each other and the foundation. There's only little need for support currently, but from time to time it looks like "old users" notify about themselves.

How has the project developed since the last report?

We have applied a lot of bug fixes which were collected in the last years in JIRA and fit to a maintenance release, tested on different platforms and started to discuss about changes in the used build

system because of different problems.

Date of last release:

2008-04-03 was the official, pre-incubation 0.10.0

Many post-0.10.0 commits exist on trunk which we intend to get out as 0.11.x.

When were the last committers or PMC members elected?

N/A

Signed-off-by:

[X](log4cxx2) Christian Grobmeier
[](log4cxx2) Scott Deboy

MRQL

MRQL is a query processing and optimization system for large-scale, distributed data analysis, built on top of Apache Hadoop, Hama, and Spark.

MRQL has been incubating since 2013-03-13.

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

1. increase adoption, expand user community, and increase user list activity
2. recruit more developers, committers, and PMCers
3. have at least one more incubator 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?

Nothing to report. No new developers. No new committers.

How has the project developed since the last report?

Ported MRQL to Yarn. Added support for Spark 0.9.0.
Improved the MRQL build process in many ways.
Changed the run scripts to construct assembly jars at runtime.

Date of last release:

2013-10-31

When were the last committers or PMC members elected?

2013-03-13

Signed-off-by:

[X](mrql) Alan Cabrera
[](mrql) Anthony Elder
[](mrql) Alex Karasulu
[](mrql) Mohammad Nour El-Din

Shepherd/Mentor notes:

Roman Shaposhnik (rvs):

A reasonably sized community. Given that it has been incubating for about a year now, I'd encourage graduation activity. A few more releases would be a good first step.

Phoenix

Phoenix is an open source SQL query engine for Apache HBase, a NoSQL data store. It is accessed as a JDBC driver and enables querying and managing HBase tables using SQL.

Phoenix has been incubating since 12/11/2013.

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

- 1) Perform initial release out of apache incubator followed up quickly by two new releases
- 2) Make our customers successful and prove value of Phoenix+HBase over other alternatives
- 3) Attract new committers to the project

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

We've been waiting more than two months for our Github issues to be imported into our Apache JIRA.

How has the community developed since the last report?

Lots of user/dev traffic on email list and general interest. Received a nice patch from an external contributor to replace our CSV loader with the Apache Commons CSV loader that's under development.

No new committers.

How has the project developed since the last report?

- * IP Clearance is complete.
- * Vote is in progress on dev list for on our first release. Prior RC was sunk due to the license and notice files not being correct.
- * Working in parallel toward 3.0 and 4.0 releases as well.

Date of last release:

No release yet.

When were the last committers or PMC members elected?

No new committers or PMC members.

Signed-off-by:

[](phoenix) Lars Hofhansl
[X](phoenix) Andrew Purtell
[X](phoenix) Devaraj Das
[](phoenix) Enis Soztutar
[](phoenix) Steven Noels

S4

S4 (Simple Scalable Streaming System) is a general-purpose, distributed, scalable, partially fault-tolerant, pluggable platform that allows programmers to easily develop applications for processing continuous, unbounded streams of data.

S4 has been incubating since 2011-09-26.

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

1. No development since last release
2. Limited activity on mailing lists
3. Need new committers/contributors

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

aware of?

The project is considering retirement

How has the community developed since the last report?

No development

How has the project developed since the last report?

No development

Date of last release:

June 2013: S4 0.6.0 released

When were the last committers or PMC members elected?

March 2013 (Daniel Gómez Ferro)

Signed-off-by:

[x](s4) Patrick Hunt
[](s4) Arun Murthy

Sentry

Sentry is a highly modular system for providing fine grained role based authorization to both data and metadata stored on an Apache Hadoop cluster.

Sentry has been incubating since 2013-08-08.

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

1. Grow the Sentry community
2. Add new committers that diversify the project
3. Continue to release at regular intervals

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?

We have added a new committer to the project. Updated and redesigned the Sentry Web site.

How has the project developed since the last report?

Work continues on the db_policy_store branch (SENTRY-37) and to issue the 1.3 release. Additionally a new website and logo have been chosen:
<http://sentry.incubator.apache.org>

Date of last release:

2013-09-25

When were the last committers or PMC members elected?

Vamsee Yarlagadda has been added as a committer as announced on Feb 28 2014. No new PPMC members have been added since the project has entered the incubator.

Signed-off-by:

[X](sentry) Arvind Prabhakar
[X](sentry) Joe Brockmeier
[X](sentry) David Nalley

[](sentry) Olivier Lamy
[x](sentry) Patrick Hunt
[](sentry) Thomas White

Sirona

Monitoring Solution java oriented.

Sirona has been incubating since 2013-10-15.

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

1. Stabilize the javaagent API and features.
2. Stabilize test portability/stability (if possible).
3. Get more committers.

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?

In interest yes, not really in contributor.

How has the project developed since the last report?

The project API starts to be stable and now we start adding enhancements in the javaagent.

Date of last release:

2013-17-12

When were the last committers or PMC members elected?

None since starting the incubation

Signed-off-by:

[X](sirona) Olivier Lamy
[](sirona) Henri Gomez
[X](sirona) Jean-Baptiste Onofre
[](sirona) Tammo van Lessen
[](sirona) Mark Struberg

Shepherd/Mentor notes:

Roman Shaposhnik (rvs):

A great community.

Storm

Storm is a distributed, fault-tolerant, and high-performance realtime computation system that provides strong guarantees on the processing of data.

Storm has been incubating since 2013-09-18.

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

1. Growing the community and adding Committers/PPMC Members
2. Release on a regular basis
3. Lower the user/developer entry barrier by improving documentation, examples, and integration options.

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?

We have voted in 2 additional Committers/PPMC Members. Since our first Apache release, community and committer involvement has increased and we hope to continue that trend.

How has the project developed since the last report?

We successfully executed our first Apache release. We have migrated the storm-project.net website and github wiki to the podling website. To support our initial and subsequent releases, we also migrated the Storm build system from Leiningen to Apache Maven.

Date of last release:

2014-02-22

When were the last committers or PMC members elected?

2014-03-04

Signed-off-by:

[x](storm) Ted Dunning
[X](storm) Arvind Prabhakar
[](storm) Devaraj Das
[](storm) Matt Franklin
[](storm) Benjamin Hindman

Streams

Apache Streams is a lightweight server for ActivityStreams.

Streams has been incubating since 2012-11-20.

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

1. Growing the active developer community
2. Making a secondary incubator release
3. Develop concrete use cases and providing tutorials for users

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?

Since the last report we have admitted a new committer Carol Hansen, who has provided an interface for streams. We have started discussions on modules to possibly incorporate into Streams, which Steve Blackmon has spearheaded. We have also received pull requests from outside developers and started a migration from svn to git. Discussions have also begun on schema clarification which is a pressing issue as the project becomes standardized.

How has the project developed since the last report?

A substantial commit was made by Steve Blackmon including a Twitter Firehose attachment and a Apache Storm. It has laid the ground work for additional attachments. A Lucene connector and Elastic Search connector are being planned.

Date of last release:

2013-01-09

When were the last committers or PMC members elected?

2014-01-14 (Carol Hansen)

Signed-off-by:

[x](streams) Matt Franklin
[x](streams) Ate Douma
[](streams) Craig McClanahan

Tajo

Tajo is a distributed data warehouse system for Hadoop.

Tajo has been incubating since 2013-03-07.

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

1. Apache Tajo graduation IPMC vote has been passed.
(<http://markmail.org/message/qq4mxzgc4h5ripkr>)
- 2.
- 3.

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?

Some committers have presented Tajo project in some conferences and meetups. Especially, Keuntae Park, one of the committers, will present Tajo in ApacheCon.

How has the project developed since the last report?

We have resolved more than 200 issues since the last report. There have been real users of Tajo project. They are giving many feedbacks obtained from real use cases. We are improving Tajo from their feedbacks. Recently, we have started the works on multi-tenancy.

Date of last release:

2013-11-20

When were the last committers or PMC members elected?

2014-01-02: Keuntae Park

Signed-off-by:

[](tajo) Chris Mattmann
[](tajo) Owen O'Malley

Wave

A wave is a hosted, live, concurrent data structure for rich communication. It can be used like email, chat, or a document.

Wave has been incubating since 2010-12-04.

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

1. Make a release
2. Expand the community
3. Decide on future path (application framework, or web application)

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?

Around the time of the last report, there was discussion on the list about shutting down the project due to a lack of activity. Since then, we have had 3 new developers submit patches adding new features to Wave, pointing out bugs, and picking up older features that stalled before completion.

How has the project developed since the last report?

Several major patches adding support for MongoDB, full text search, and date filtering to Wave have been submitted for review. Some of the older ideas (e.g. the email bridge robot) have been picked up by new developers.

Date of last release:

N/A

When were the last committers or PMC members elected?

The last 2 committers were elected around 30th June 2013

Signed-off-by:

[X](wave) Christian Grobmeier
[X](wave) Upayavira