November2015

/!\ *FINAL* (!)

Incubator PMC report for November 2015

Timeline

Wed November 04	Podling reports due by end of day
Sun November 08	Shepherd reviews due by end of day
Sun November 08	Summary due by end of day
Tue November 10	Mentor signoff due by end of day
Wed November 11	Report submitted to Board
Wed November 18	Board meeting

Shepherd Assignments

Andrei Savu	Cotton
Andrei Savu	TinkerPop
Drew Farris	Twill
John Ament	Climate Model Diagnostic Analyzer
John Ament	HORN
John Ament	Unomi
Justin Mclean	HAWQ
Matthew Franklin	DataFu
Matthew Franklin	MADlib
Matthew Franklin	Mynewt
P. Taylor Goetz	AsterixDB
P. Taylor Goetz	Concerted
P. Taylor Goetz	REEF
Raphael Bircher	Apex
Raphael Bircher	Sirona
Ross Gardler	Ripple
Suresh Marru	Blur
Suresh Marru	Kylin
Suresh Marru	Slider
Timothy Chen	Rya
Timothy Chen	Tamaya

Report content

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Incubator PMC report for November 2015

The Apache Incubator is the entry path into the ASF for projects and
codebases wishing to become part of the Foundation's efforts.
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There are 47 podlings currently undergoing incubation.

With 702 messages to general@incubator, October was one of the heaviest
months for email traffic in a long time.

Podlings nearing graduation received extra scrutiny this month, presumably
as an indirect result of various recent proposals to rework graduation to
include more structured review. Such evaluations of podling readiness,
while illuminating, put stress on the Mentors and contributors to the
podling under the microscope and raise the overall tension in the
Incubator.

Another topic of discussion was disengaged Mentors. An initiative to engage
Mentors privately when podlings do not report for two months or more yielded
positive results, with some Mentors reaffirming their commitment and others
officially moving on.

* Community

  New IPMC members:

  - Tom Barber (magicaltrout)
  - Patrick Wendell (pwendell)
  - Reynold Xin (rxin)
  - Phil Sorber (sorber)
  - Julien Le Dem (julien)
  - Jacques Nadeau (jacques)

  No one left the IPMC this month, but a handful of Mentors have stepped
  down from their posts with various podlings. Most of the resignations
  were from Mentors who had become inactive, so the Incubator's rolls have
  become a bit more accurate.

* New Podlings

  - Eagle
  - Mynewt
  - Concerted
  - SystemML

* Graduations

  The board has motions for the following:

  - Brooklyn
  - Groovy
  - Kylin
  - REEF

* Releases

  The following releases were made since the last Incubator report:

  - 2015-10-05 Apache Johnzon 0.9.2-incubating
  - 2015-10-07 Apache Singa 0.1.0
  - 2015-10-14 Apache AsterixDB 0.8.7-incubating
  - 2015-10-14 Apache REEF 0.13.0-incubating
  - 2015-10-23 Apache Kylin 1.1-incubating
  - 2015-10-28 Apache TinkerPop 3.0.2-incubating
  - 2015-10-30 Apache Apex v3.2.0-incubating
  - 2015-10-31 Apache Slider 0.81.1-incubating

* IP Clearance

  - Taobao (China) Software Co., Ltd and several individuals donated Alibaba
    JStorm, "A fork of Apache Storm with Clojure code replaced with Java,
    and several other improvements".

  A discussion calling into question what responsibilities -- if any -- the
  Incubator should have with regards to IP Clearance eventually went quiet,
  leaving the status quo intact.

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* Miscellaneous

  - Droids has retired.
  - Kalumet has retired.
  - The Corinthia community is voting on retirement.

* Credits

  - Report Manager: Marvin Humphrey

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

* Still getting started at the Incubator

  - Concerted
  - Mynewt
  - Rya

* Not yet ready to graduate

  No release:

  - AsterixDB
  - Climate Model Diagnostic Analyzer
  - Cotton
  - MADlib
  - DataFu
  - HAWQ
  - HORN

  Community growth:

  - Apex
  - Blur
  - Slider
  - Tamaya
  - TinkerPop
  - Twill

* Ready to graduate

  - Kylin
  - REEF

* Did not report, expected next month

  - Ripple (5 months late)
  - Sirona
  - Unomi


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REEF
Ripple
Rya
Sirona
Slider
Tamaya

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TinkerPop
Twill
Unomi


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Apex

Apex is an enterprise grade native YARN big data-in-motion platform that
unifies stream processing as well as batch processing.

Apex has been incubating since 2015-08-17.

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

  1. Release Apex-Core, and Apex-Malhar on ongoing basis.
  2. Grow contributors beyond the initial set.
  3. Move to using Apache JIRA

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

  The project is still using the original Atlassian instance of JIRA.
  INFRA-10144 has tracked the Apache JIRA migration request since August.

How has the community developed since the last report?

  The community is very engaged with the development of the project. There
  have been 788 messages on dev@ for October.

  The community has been active building meetup groups in various locations:
  http://s.apache.org/jKT

  - Number of meetups: 6 in total so far: 4 in USA cities and 2 in Indian
    cities
  - Total members in worldwide Apache Apex meetups: 495
  - Events: 1 in Oct; 4 scheduled in Nov: CapitalOne presentation in
    Chicago; DataTorrent presentation in Pune; GE presentation in San Ramon;
    PubMatic presentation in San Jose;

  Future: Planning to start meetups in more cities, and be able to organize
  2-3 events a month.

How has the project developed since the last report?

  The first release under incubation passed voting. Apex (Core)
  3.2.0-incubating was released 2015-10-30.  The community is currently
  discussing roadmap for upcoming releases.

  Various metrics are as follows:
  +-------------------------------------------------+
  |   Metric                      | Core  | Malhar |
  +-------------------------------------------------+
  | Non Merge Commits             | 159   |   39   |
  | Contributors                  |  15   |    9   |
  | Jira New Issues               |  58   |   19   |
  | Resolved Issues               |  34   |   30   |
  +-------------------------------------------------+

  The next release target is Apex Malhar with release candidate expected
  fist week of November.

Date of last release:

  2015-10-30 Apex (Core) 3.2.0-incubating

When were the last committers or PMC members elected?

  Committers and Mentors came about via incubation proposal.
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Signed-off-by:

  [X](apex) Chris Nauroth
  [X](apex) Alan Gates
  [X](apex) Hitesh Shah
  [X](apex) Justin Mclean
  [X](apex) P. Taylor Goetz
  [X](apex) Ted Dunning

Shepherd/Mentor notes:

  Chris Nauroth (cnauroth):

    The community continues to show great, open development activity on the
    mailing list.  The first release was handled well with careful attention
    to detail when IPMC members requested a second RC with some changes.  I
    would like to request that the infra team prioritize completion of the
    JIRA migration tracked in INFRA-10144.

  Alan Gates (gates):

    There have been some questions regarding which committers in the project
    are also on the PPMC.  Originally only 6 developers were proposed for
    initial committers, but as part of the entry to incubation this was
    expanded to the current 30+.  The understanding of some in the project
    was that the PPMC still only consisted of those original 6, while the
    other ~24 devs were just committers.  The mentors have explained that it
    does not work this way.  The community is talking through how to
    approach this disconnect.  The mail thread is at
    <http://s.apache.org/qsV>.

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AsterixDB

Apache AsterixDB is a scalable big data management system (BDMS) that
provides storage, management, and query capabilities for large
collections of semi-structured data.

AsterixDB has been incubating since 2015-02-28.

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

  1. Do an Apache release that can also provide binary artifacts with
     correct LICENSEs and NOTICEs.
  2.
  3.

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

  The discussion on the use of an external Gerrit instance for code
  reviews is considered to be resolved.
  The current workflow ensures that
  a) The ASF git repository is the canonical repository for the project.
  b) Only committers can manually commit changes to the ASF git
     repository.
  c) All discussions on the Gerrit instance are sent to
     notifications@asterixdb.incubator.apache.org.
  While it would be good to also have the Gerrit instance run on ASF
  hardware, this is neither necessary to document the provenance of the
  code nor to enable list members to follow and participate in the
  activities of the project. Also, there seems to be no infra capacity
  to provide a Gerrit service.

How has the community developed since the last report?

  - A paper on AsterixDB was presented at VLDB'15.
  - A deep-dive introduction to AsterixDB was given at the first
    workshop on Big Data Open Source Systems (BOSS'15).
  - Chris Hillery was added as a committer on Oct 20.
  - Increased traffic on the users list.
```

How has the project developed since the last report?

  - All Google Code issues were migrated to the ASF JIRA and triaged.
  - The discussion on the use of an external Gerrit instance for code
    reviews is considered to be resolved.
  - AsterixDB 0.8.7 and the associated Hyracks 0.2.16 were released.

Date of last release:

  2015-10-22 AsterixDB 0.8.7
  2015-09-22 Hyracks 0.2.16

When were the last committers or PMC members elected?

  2015-10-20 Chris Hillery

Signed-off-by:

  [X](asterixdb) Ate Douma
  [X](asterixdb) Chris Mattmann
  [X](asterixdb) Henry Saputra
  [ ](asterixdb) Jochen Wiedmann
  [X](asterixdb) Ted Dunning

Shepherd/Mentor notes:

  Chris Mattmann (mattmann):

    Great work!

  Ted Dunning (tdunning):

    The handling of the Gerrit question was particularly good.

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?

 - No

How has the community developed since the last report?

 - Subscriptions: user@ - 55[0]; dev@ - 70[+3]

How has the project developed since the last report?

 - A few additional features, and bug fixes.

Date of last release:

  2014-07-29

When were the last committers or PMC members elected?

  2014-07-28

Signed-off-by:

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

Shepherd/Mentor notes:



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Climate Model Diagnostic Analyzer

CMDA provides web services for multi-aspect physics-based and phenomenon-
oriented climate model performance evaluation and diagnosis through the
comprehensive and synergistic use of multiple observational data, reanalysis
data, and model outputs.

Climate Model Diagnostic Analyzer has been incubating since 2015-05-08.

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

  1. Increase email and communication traffic
  2. Build a CMDA website at Apache
  3. Learn more about Apache way

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

  The project is still in its nascence and the PPMC is still learning the
  Apache way and moving out of JPL/CMU centric development. The project team
  wants to do a good job they are just moving along slowly.

How has the community developed since the last report?

  More commits and code are being done on the Apache Git repo, almost
  exclusively. They still come in bulk rather than incrementally.  Also
  notes from meetings held between JPL and CMU project members are being
  flushed to the list to increase awareness and participation.

How has the project developed since the last report?

  1. Deployed to the Amazon Cloud (AWS);
  2. Students from the 2015 JPL center for climate sciences summer school
     used the Amazon Cloud deployment for class projects;
  3. New design and implementation of front end web interface for
     flexibility and to facilitate provenance;
  4. Acquired new ECMWF data;
  5. Created a knowledge graph based on provenance accumulated from the 2015
     Summer School usages;
  6. New services to come soon: Random Forests and Empirical Orthogonal
     Function Analysis (EOF).

  More code is coming. Need to do a website, and start to use
  issue tracking, etc.

Date of last release:


When were the last committers or PMC members elected?


Signed-off-by:

  [ ](climatemodeldiagnosticanalyzer) James W. Carman
  [X](climatemodeldiagnosticanalyzer) Chris Mattmann
  [X](climatemodeldiagnosticanalyzer) Michael James Joyce
  [ ](climatemodeldiagnosticanalyzer) Kim Whitehall
  [X](climatemodeldiagnosticanalyzer) Gregory D. Reddin

Shepherd/Mentor notes:
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   John D. Ament (johndament):

      There are a couple of concerns raised in this report, specifically that
      ASF infrastructure is not the canonical source of truth for the podling
      and limited external participation.

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Concerted

Apache Concerted is a Do-It-Yourself toolkit for building in-memory data
engines.

Concerted has been incubating since 2015-10-14.

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

   1. First release
   2. Establish a consistent development process and release rhythm.
   3. Expanding the community and continuing to add new committers.

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?

   Latest Additions:

   * PMC addition:          NA
   * Contributor addition:   NA

   Issue backlog status since last report:

   * Created:   20
   * Resolved:  8

   Mailing list activity since last report:

   * @dev       133 messages
   * @issues    129 messages
   * @commits  8    messages

How has the project developed since the last report?

   - Project has been focused on bootstrapping and getting setup
   - Status page setup, mailing lists created, jira setup
   - Grant filed and code imported, website in development
   - Apache headers applied to imported source
   - Working on scripts to automate the release process for our first Apache
     Concerted release candidate

Date of last release:

   - Working towards our first release candidate.

Signed-off-by:

   [X](concerted) Chris Nauroth
   [ ](concerted) Daniel Dai
   [X](concerted) Jake Farrell
   [X](concerted) Julian Hyde
   [ ](concerted) Lars Hofhansl

Shepherd/Mentor notes:

   Julian Hyde (jhyde):

      Good level of activity; beginning to engage with community beyond
      initial committers.
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Cotton

Cotton is an Apache Mesos framework for running MySQL instances.

Cotton has been incubating since 2015-06.

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

  1. Increase project communication on mailing lists, JIRA
  2. Attract new project contributors and committers
  3. Establish a first release at Apache

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

  Development of Cotton has largely been inactive for the last two months,
  due to limited time from the original developer and community engagements
  including MesosCon Seattle and MesosCon Europe.

How has the community developed since the last report?

  There has been limited participation on the mailing lists and JIRA,
  however a discussion on the private@ list was established about this issue
  and there's a desire to keep the project in the incubator and be more
  proactive in building community in the coming months.

How has the project developed since the last report?

  * Apache Cotton was presented at MesosCon, available for viewing on
    YouTube: https://www.youtube.com/watch?v=BFS8-mt8alU
  * Limited development has occurred since the last report.

  Several JIRA issues outline some of the earliest outstanding work,
  including setting up a project website and renaming portions of the
  codebase to reflect the new Apache Cotton name (formerly Mysos).

Date of last release:

  N/A

When were the last committers or PMC members elected?

  N/A

Signed-off-by:

  [X](cotton) Jake Farrell
  [x](cotton) Dave Lester
  [ ](cotton) Benjamin Hindman
  [X](cotton) Henry Saputra

Shepherd/Mentor notes:



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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. Do first release
  2. Grow user and contributor base
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  3. Increased committer activity

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

  * Performing the initial release remains the most important milestone.

How has the community developed since the last report?

  * No new activity in the community since the last report.

How has the project developed since the last report?

  * The website documentation (http://datafu.incubator.apache.org/) has been
    updated and brought up to date with the current state of the project and
    build system, making it easier for newcomers to get started.  This was
    the last major task blocking release.
  * All the release tasks filed for our first release have now been
    completed.  A discussion has been opened in the dev mailing list on the
    topic of doing our first release.  A vote will likely be held in the
    next few days.

Date of last release:

  * Not yet released.  First release will likely happen within the coming
    weeks.

When were the last committers or PMC members elected?

  * November 2014

Signed-off-by:

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

Shepherd/Mentor notes:



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HAWQ

HAWQ is an advanced enterprise SQL on Hadoop analytic engine built around a
robust and high-performance massively-parallel processing (MPP) SQL
framework evolved from Pivotal Greenplum Database.

HAWQ has been incubating since 2015-09-04.

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

  1. Produce our first Apache Release
  2. Expand the community, increase dev list activity and adding new
     committers/pmc members
  3. Infrastructure migration: create Jenkins projects that build HAWQ
     binary, source tarballs and docker images, and run feature tests
     including at least installcheck-good tests for each commit (HAWQ-127).

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

  We have only just started the incubation, everything seems to be smooth,
  nothing urgent at this time.

How has the community developed since the last report?

  1. Most of the core contributors/committers have started working on Apache
     repository
  2. One Meetup for HAWQ hosted by "Big Data Community" in Beijing.
  3. The community is active with the development of the project. In Oct,
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There have been 357 messages on dev@. and 21 messages on user@,
        compared with 95 messages in total last month.
    4. Community shows interests to integrate HAWQ with systems in the
        ecosystem.

How has the project developed since the last report?

    1. First release has been proposed and targeted in Nov
        (<http://s.apache.org/p4L6>)
    2. 95 JIRAs filed, 46 open, 30 resolved, 19 closed (In Oct 2015)
    3. 58 code commits (In Oct 2015)

Date of last release:

    We have not had a release yet.

When were the last committers or PMC members elected?
    No new committers/members from initial.

Signed-off-by:

    [X](hawq) Alan Gates
    [X](hawq) Konstantin Boudnik
    [X](hawq) Justin Erenkrantz
    [X](hawq) Thejas Nair
    [X](hawq) Roman Shaposhnik

Shepherd/Mentor notes:

HORN

HORN is a neuron-centric programming APIs and execution framework for large-
scale deep learning, built on top of Apache Hama.

HORN has been incubating since 2015-09-04.

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

    1. Finalize Architecture and API design
    2. Continue to gain and attract contributors
    3. Produce a first Apache release

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

    Nope

How has the community developed since the last report?

    - We're receiving contributions from new contributors Elmulod and Zach :-)
    - All PPMC members are in both private@ and dev@ and signed ICLA.
    - All required infrastructures e.g., mailing lists, JIRA, Git repo are now
      available.
    - dev@horn.incubator.apache.org: 32 subscribers.

How has the project developed since the last report?

    - Development of project website has for the most part been completed.
    - Initial code import from Apache Hama ML package has been completed.
    - The System Architecture and Programming APIs design planning is
      currently in progress.

Date of last release:

    N/A

When were the last committers or PMC members elected?

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   N/A

Signed-off-by:

  [x](horn) Luciano Resende
  [ ](horn) Robin Anil
  [X](horn) Edward J. Yoon
  [ ](horn) Rich Bowen

Shepherd/Mentor notes:



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Kylin

Kylin is a distributed and scalable OLAP engine built on Hadoop to support
extremely large datasets.

Kylin has been incubating since 2014-11-25.

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

  1. Passed graduation vote, already sent proposal to next board meeting
  2.
  3.

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

  * Nothing

How has the community developed since the last report?

  1. In Oct 2015, there were 308 messages on dev@, 56 JIRA new issues be
     created, 111 issues have been resolved
  2. Seshu Adunuthula and Qianhao Zhou has presented Apache Kylin
     at ApacheCon Big Data EU 2015 on Sep 28, 2015
  3. Luke Han and Shaofeng Shi have presented two sessions at Apache
     Roadshow China 2015 in Beijing on Oct 24, 2015
  4. Apache Kylin Meetup has been organized in eBay Shanghai office with
     100+ attendees including presenters from Kylin, Tez and Zeppelin
     committers on Oct 10, 2015
  5. Apache Kylin won InfoWorld Bossie Awards 2015 - The Best Open Source
     Big Data Tools.

How has the project developed since the last report?

  1. Released 1.0 and 1.1, is preparing release 1.2 and 2.0
  2. Introduced Fast Cubing (MR) and Spark Cubing engine
  3. Support setting for HBase compression with Snappy or GZip
  4. Support load data to separated HBase cluster
  5. Apache Kylin Interpreter has been submitted to Apache Zeppelin main
     code base and be included in Zeppelin's release.
  6. Fixed slowness with many IN() values
  7. Fixed AVG not work issue
  8. Upgraded Calcite to 1.4
  9. Web UI refined and introduced new for 2.x branch
  10. other Bug fixes

Date of last release:

  2015-10-25 apache-kylin-v1.1-incubating
  2015-09-06 apache-kylin-v1.0-incubating

When were the last committers or PMC members elected?

  2015-08-18 1 new committer, Dayue Gao from meituan.com
  2015-08-25 1 new committer, Hua Huang from MiningLAMP
  2015-09-25 1 new committer, Yerui Sun from meituan.com
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Signed-off-by:

  [X](kylin) Owen O'Malley
  [X](kylin) Ted Dunning
  [X](kylin) Henry Saputra
  [X](kylin) Julian Hyde
  [X](kylin) P. Taylor Goetz

Shepherd/Mentor notes:

  Ted Dunning (tdunning):

    There was a bit of confusion about the graduation vote (which passed,
    but not unanimously). IPMC and Kylin project members are working to fix
    the issues to the satisfaction of the IPMC member who voted -1.

  Marvin Humphrey (marvin):

    The issue that was raised by the IPMC Member voting -1 was acknowledged
    as legitimate by multiple IPMC members, and a plan of action was
    proposed which was endorsed by one of the Kylin Mentors.  So while there
    may have been differences of opinion about urgency, the matter has been
    guided steadily towards a constructive resolution.

    (update) The -1 has been changed over to a +1 and the issue resolved.

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MADlib

Big Data Machine Learning in SQL for Data Scientists.

MADlib has been incubating since 2015-09-15.

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

  1. Produce a first Apache (incubating) release.
  2. Expand the community, increase dev list activity and add new
     committers/pmc members.
  3. Execute and manage the project according to governance model required
     by the "Apache Way".

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. Meetup 10/1/15 @ Pivotal Labs, New York, NY:  "MADlib and HAWQ for
     Advanced SQL Machine Learning on Hadoop" http://s.apache.org/VbG
  2. Meetup 10/29/15 @ Pivotal Palo Alto, CA:  "Data Science at Scale for
     IoT" http://www.meetup.com/Pivotal-Open-Source-Hub/events/225426787/

How has the project developed since the last report?

  1. All known issues related to IP cleanliness described in
     https://wiki.apache.org/incubator/MADlibProposal have been fixed and
     pushed to the Apache repo.
  2. All software activity tracking has migrated to Apache MADlib JIRA from
     previous tool.  18 JIRAs created and 2 resolved in last 30 days.
  3. All commits and code are now being done on the Apache Git repo.
  4. Three new quick start guides have been written: i) install, ii) user,
     and iii) developer.  The goal is to make it easier to onboard new
     community members.
  5. A new Greenplum DB sandbox VM with MADlib pre-installed has been
     created and made available publicly at
     https://github.com/greenplum-db/gpdb-sandbox-tutorials.  The goal is to
     make it easier to onboard new community members - they can download and
     start trying MADlib right away with no install/setup.
  6. A "catchup JIRA" was filed
     https://issues.apache.org/jira/browse/MADLIB-912 in order to catch up
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     between the time of the code grand to Apache and bringing in dev work
     that was already in flight at the time.  We apologize for any
     inconvenience in clubbing together these multiple items; it was a
     one-time operation.

Date of last release:

   No release yet.

When were the last committers or PMC members elected?

   No new members added on top of the initial committer list.

Signed-off-by:

   [X](madlib) Konstantin Boudnik
   [X](madlib) Ted Dunning
   [X](madlib) Roman Shaposhnik

Shepherd/Mentor notes:

   Konstantin Boudnik (cos):

     I don't see much info on the community development. How many new
     contributors the project had gained? Were there any additions in the
     mailing lists? Please consider providing this information in the next
     report.

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Mynewt

Mynewt is a real-time operating system for constrained embedded systems like
wearables, lightbulbs, locks and doorbells. It works on a variety of 32-bit
MCUs (microcontrollers), including ARM Cortex-M and MIPS architectures.

Mynewt has been incubating since 2015-10-20.

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

   1. Produce a first Apache release of downloadable RTOS image with
      support for multiple peripherals and network connectivity.
   2. Develop a roadmap and release schedule for the Mynewt Operating System
   3. Expand the community, increase dev list activity, and add new
      committers/pmc members.

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

   Just started incubation, nothing specific to report at this time.

How has the community developed since the last report?

   We are approximately 2 weeks into the incubation process.

   1. Core infrastructure has been set up. Core contributors have completed
      their ICLA's. Apache accounts, mailing lists, JIRA, and website are in
      place.
   2. First drop of documentation is linked to the incubator website on AFS.
   3. Participation on the @dev mailing list was seen with installation
      queries and troubleshooting questions from mentors and 1 new
      subscriber.

How has the project developed since the last report?

   Early activity:

   1. Initial code drop on Apache git repository for Mynewt RTOS for M4 and
      M3 architectures in debug environment
   2. Initial code drop on Apache git repository for newt tool to build basic
      RTOS images
   3. Core infrastructure is set up
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Date of last release:

  No release yet.

When were the last committers or PMC members elected?

  Initial list of committers have been on-boarded.
  No new members added on top of the initial committer list.

Signed-off-by:

  [x](mynewt) Sterling Hughes
  [x](mynewt) Jim Jagielski
  [x](mynewt) Justin Mclean
  [X](mynewt) Greg Stein
  [x](mynewt) P. Taylor Goetz

Shepherd/Mentor notes:

REEF

REEF (Retainable Evaluator Execution Framework) is a scale-out computing
fabric that eases the development of Big Data applications on top of
resource managers such as Apache YARN and Mesos.

REEF has been incubating since 2014-08-12.

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

  1. Vote to graduate REEF to a top level project on the PPMC dev@ list
     passed with 18 binding +1 votes 2. Discussion to graduate REEF
     to a top level project on the IPMC general@ list is in progress.

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?

  * We have seen significant activity from the community since last report
    - 206 JIRA issues created
    - 179 JIRA issues resolved
    - 1300+ emails on dev (including auto-generated messages)
  * New committers have been added to the team
    - Geon-Woo Kim from Seoul National University
    - Dhruv Mahajan from Microsoft
  * Markus Weimer visited multiple European universities and institutions
    to present REEF and discuss potential collaborations.

How has the project developed since the last report?

  * 0.13.0-incubating is released
    - release date: October 14, 2015
    - vote: 3 +1 binding votes and 0 -1 votes
    - 187 issues, tasks, features were resolved in this release.

Date of last release:

  2015-10-14
  (0.13.0-incubating)

When were the last committers or PMC members elected?

  Geon-Woo Kim: 2015-09-15
  Dhruv Mahajan: 2015-09-09

Signed-off-by:

  [X](reef) Chris Douglas
  [ ](reef) Chris Mattmann
  [ ](reef) Ross Gardler
  [ ](reef) Owen O'Malley

Shepherd/Mentor notes:

  Chris Mattmann (mattmann):

    REEF voting on graduation.

Rya

Rya (pronounced "ree-uh" /r/) is a cloud-based RDF triple store that
supports SPARQL queries. Rya is a scalable RDF data management system built
on top of Accumulo. Rya uses novel storage methods, indexing schemes, and
query processing techniques that scale to billions of triples across
multiple nodes. Rya provides fast and easy access to the data through
SPARQL, a conventional query mechanism for RDF data.

Rya has been incubating since 2015-09-18.

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

  1. Populate the website for the project
  2. Become familiar with the release process and have a first release as
     part of the Apache
  3. Create a "how to" document to explain the ways new contributors can
     become involved in the project, so we increase the size of the
     community.

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?

  All initial committers submitted their ICLAs and are subscribed to the dev
  and private mailing lists. There are 32 subscribers to the dev list. The
  initial committers are learning to use the Apache infrastructure and
  processes. We gave a presentation on Rya at Duke University, trying to
  increase awareness about the project.

How has the project developed since the last report?

  Infrastructure is now set up (mailing lists, repositories, JIRA, etc)
  Getting the code reviewed for final publication took about 3 weeks, which
  was longer than we expected, but the code is now imported into the Apache
  git repository. We are working on creating a website for the project.

Date of last release:

  Not applicable - the code was just imported into Apache repository

When were the last committers or PMC members elected?

  Not applicable

Signed-off-by:

  [x](rya) Josh Elser
  [ ](rya) Edward J. Yoon
  [x](rya) Sean Busbey
  [x](rya) Venkatesh Seetharam

Shepherd/Mentor notes:

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  Sean Busbey (busbey):

     Getting things started took a bit, presumably due to the review needed
     to get the code out, but the fledging community has been responsive to
     feedback. The next month should give a better idea of how strong a hand
     the mentors will need to use.

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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. Getting more external users
  2. Getting more diverse set of developers
  3. Getting more diverse set of committers/PMC

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?

  We are seeing traction in the community with a number of new users
  requesting improvements in deployment and management of applications
  using Slider.  Patches were submitted by a couple of new contributors.
  We still have to get those people into long term coding, and then bring
  them in to the committer group.

How has the project developed since the last report?

  We released a slider-0.81.1-incubating bug fix release with 30 JIRAs
  resolved and have begun discussing the 0.90.0 release.

Date of last release:

  2015-10-29 slider-0.81.1-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
  [X](slider) Mahadev Konar

Shepherd/Mentor 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. Make the project known in projects world-wide.
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   2. Release more often.
   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?

   We have new people joining the mailinglist and also starting
   discussions for possible future involvement. We had quite broad
   feedback in the Java EE space, since we added full blown CDI
   support to Tamaya. We are looking forward to gain new committers
   within next reporting period hopefully.
   During ApacheCon Europe different projects found our approach
   very interesting. We also have a request from a JUG in Switzerland
   going to present the project as well several conferences that accept
   the topic as well.

How has the project developed since the last report?

   The project's API has proven to work very well. Many, also complex
   extensions were written and we started to add support for very
   important eco-systems (JavaEE, Spring, OSGI).
   I think we can release the next release before X-Mas the latest.

Date of last release:

   2015-08-22

When were the last committers or PMC members elected?

   See last report (no new committers or PMC members).

Signed-off-by:

   [X](tamaya) John D. Ament
   [X](tamaya) Mark Struberg
   [ ](tamaya) Gerhard Petracek
   [ ](tamaya) David Blevins

Shepherd/Mentor notes:



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TinkerPop

TinkerPop is a graph computing framework written in Java

TinkerPop has been incubating since 2015-01-16.

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

   1. Add more members to the PMC.
   2. Add more members to the committer list.
   3. N/A (unless the mentors have ideas?)

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

   No. Recently, we have really appreciated Daniel Gruno's (mentor) efforts
   to get our development community more connected by setting up an Apache
   HipChat account for us and interacting with us in a more real-time fashion
   on various procedures/policies of Apache in a proactive manner. This has
   helped to explain to us (through doing) what is required of Apache.

How has the community developed since the last report?

   We have 2 new committers: Jason Plurad and Matthew Frantz. We are in the
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process of [DISCUSS] about two other potential committers.

How has the project developed since the last report?

  We have since instantiated a 'review-then-commit' model. Daniel Gruno
  (mentor) worked with us to set the appropriate policy documentation and
  thus far, it has been going very well.

  In terms of the adoption of TinkerPop, note that Amazon recently announced
  that they use Apache TinkerPop for their order fulfillment network (1
  trillion edges). This is very public discussion of our technology (videos
  + blog posts) should help to attract development talent.

  We have compiled a list of the other Apache technologies that TinkerPop
  works with: Apache Cassandra, Apache HBase, Apache Hadoop, Apache Spark,
  Apache Giraph, Apache Atlas, and Apache Falcon. We bring this up to
  identify the integration of Apache TinkerPop into the greater Apache
  ecosystem.

  The following articles/presentations/blogposts were provided about
  TinkerPop from TinkerPop members since the last report:

  * Rodriguez, M.A., "The Gremlin Graph Traversal Machine and Language"
    <http://arxiv.org/abs/1508.03843>, ACM Database Programming Languages
    Conference Proceedings, October 2015.
  * Mallette, S.P., "What's New In Apache TinkerPop?"
    <http://www.slideshare.net/StephenMallette/tinkerpopfinal>, Cassandra
    Summit, September 2015.
  * Rodriguez, M.A., Kuppitz, D., "The Benefits of the Gremlin Graph
    Traversal Machine" <http://s.apache.org/0vW>, DataStax Engineering Blog,
    September 2015.

Date of last release:

  2015-09-16

When were the last committers or PMC members elected?

  Jason Plurad (9/30) and Matthew Frantz (7/10). Both committers.

  Please see out Project Status page as we have been diligent to update it
  accordingly.

  http://incubator.apache.org/projects/tinkerpop.html

Signed-off-by:

  [x](tinkerpop) Rich Bowen
  [x](tinkerpop) Daniel Gruno
  [ ](tinkerpop) Hadrian Zbarcea
  [ ](tinkerpop) Matt Franklin
  [ ](tinkerpop) David Nalley

Shepherd/Mentor notes:

  Daniel Gruno (humbedooh):

    I will note that despite HipChat and other direct message platforms
    involved, the async messages, especially revolving around larger
    community/project issues have been on the rise over the past 3 months,
    up 71% compared with the 3 months before that, as evident from
    <http://s.apache.org/Atz> (this is discounting git and jira messages). I
    see this as a positive signal that the podling is working towards a more
    open and inclusive discussion pattern. New committers are being
    on-boarded, and I hope to see more PPMC members join the ranks soon.

Twill

Twill is an abstraction over Apache Hadoop® YARN to reduce the complexity
of developing distributed applications.

Twill has been incubating since 2013-11-14.

Top three items to resolve before graduation:

 - More engagement from the community.
 - Improve documentations and examples.
 - 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?

 - 7 new JIRA issues filed since last report
 - 8 JIRA issues resolved since last report
 - 2 new contributors submitted patches

How has the project developed since the last report?

 - Version 0.7.0-incubating is being worked upon
 - Fixed issues to support Microsoft Azure

Date of last release:

 - 2015-07-24: 0.6.0-incubating

What are the plans for the next period?

 - Encourage contributions from active users
 - Identify potential committers
 - Engage more on social channels (IRC and Twitter)

When were the last committers or PMC members elected?

 - August 4, 2015 : Henry Saputra

Signed-off-by:

 [ ](twill) Vinod K
 [ ](twill) Arun C Murthy
 [X](twill) Tom White
 [X](twill) Patrick Hunt
 [ ](twill) Andrei Savu

Shepherd/Mentor notes:

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.

Shepherd/Mentor notes:

  Chris Mattmann (mattmann):

    Missing report.

  John D. Ament (johndament):

    Missing podling status file, no website yet. Really new podling.