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

It also best to:

- **Do not** change existing formatting. Especially **do not** change the formatting of the sign-off area.
- Keep all lines under 76 characters long.
- All content under the ***headings*** should be indented by **two spaces**. **Do not use tabs**.
- Please don’t change the text in the headings or add new ones.
- Include one space after a bullet point or full stop on a numbered list.
- Use [X] ([X and no spaces]) to sign off reports.
- **Do not include long URLs** and use the apache URL shortener [https://s.apache.org](https://s.apache.org).
- Please note that some lines have two spaces at the end. **Do not remove these spaces**.

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

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

### Reflow

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

### Timeline

<table>
<thead>
<tr>
<th>Date</th>
<th>Task</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wed July 06</td>
<td>Podling reports due by end of day</td>
</tr>
<tr>
<td>Sun July 10</td>
<td>Shepherd reviews due by end of day</td>
</tr>
<tr>
<td>Sun July 10</td>
<td>Summary due by end of day</td>
</tr>
<tr>
<td>Tue July 12</td>
<td>Mentor signoff due by end of day</td>
</tr>
<tr>
<td>Wed July 13</td>
<td>Report submitted to Board</td>
</tr>
<tr>
<td>Wed July 20</td>
<td>Board meeting</td>
</tr>
</tbody>
</table>

### Shepherd Assignments

<table>
<thead>
<tr>
<th>XXX</th>
<th>XXX</th>
</tr>
</thead>
</table>
Incubator PMC report for July 2022

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

TODO add narrative

Community

New IPMC members:

People who left the IPMC:

New Podlings

Podlings that failed to report, expected next month

Graduations

• list podling here

The board has motions for the following:

• Your podling here?

Releases

The following releases entered distribution during the month of November:

IP Clearance

Legal / Trademarks

Infrastructure

Miscellaneous

Credits

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

Annotator has been incubating since 2016-08-30.

Three most important unfinished issues to address before graduating:

Are there any issues that the IPMC or ASF Board need to be aware of?
How has the community developed since the last report?
How has the project developed since the last report?
How would you assess the podling's maturity?

Please feel free to add your own commentary.

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

Date of last release:

XXXX-XX-XX

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Is the PPMC managing the podling’s brand / trademarks?

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Signed-off-by:

- (annotator) Nick Kew
  Comments:
- (annotator) Tommas Teofili
  Comments:
- (annotator) Benjamin Young
  Comments:
BlueMarlin

BlueMarlin will develop a web service to add intelligence functionality to a plain ad system.

BlueMarlin has been incubating since 2020-06-09.

Three most important unfinished issues to address before graduating:

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Signed-off-by:

- (bluemarlin) Craig Russell
- (bluemarlin) Jean-Baptiste Onofré
- (bluemarlin) Von Gosling
- (bluemarlin) Junping Du
- (bluemarlin) Uma Maheswara Rao G

DataLab

DataLab is a platform for creating self-service, exploratory data science environments in the cloud using best-of-breed data science tools.

DataLab has been incubating since 2018-08-20.

Three most important unfinished issues to address before graduating:

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Signed-off-by:

- (datalab) P. Taylor Goetz
  Comments:
- (datalab) Henry Saputra
  Comments:
- (datalab) Konstantin I Boudnik
  Comments:
- (datalab) Furkan Kamaci
  Comments:

IPMC/Shepherd notes:

EventMesh

EventMesh is a dynamic cloud-native basic service runtime used to decouple the application and middleware layer.

EventMesh has been incubating since 2021-02-18.

Three most important unfinished issues to address before graduating:

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Signed-off-by:

- (eventmesh) Francois Papon
- (eventmesh) Junping Du
- (eventmesh) Jean-Baptiste Onofré
- (eventmesh) Justin Mclean
- (eventmesh) Von Gosling

IPMC/Shepherd notes:

Flagon

Flagon is a software tool usability testing platform

Flagon has been incubating since 2016-07-13.

Three most important unfinished issues to address before graduating:

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InLong

InLong is a one-stop data streaming platform that provides automatic, secure, distributed, and efficient data publishing and subscription capabilities. This platform helps you easily build stream-based data applications.

InLong has been incubating since 2019-11-03.

Three most important unfinished issues to address before graduating:

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Signed-off-by:

- (inlong) Junping Du
  Comments:
- (inlong) Justin Mclean
  Comments:
- (inlong) Sijie Guo
  Comments:
- (inlong) Zhijie Shen
  Comments:
- (inlong) Jean-Baptiste Onofré
  Comments:
Liminal

Apache Liminal is an end-to-end platform for data engineers and scientists, allowing them to build, train and deploy machine learning models in a robust and agile way.

Liminal has been incubating since 2020-05-23.

Three most important unfinished issues to address before graduating:

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Signed-off-by:

- (liminal) Jean-Baptiste Onofré
  Comments:
- (liminal) Henry Saputra
  Comments:
- (liminal) Uma Maheswara Rao G
  Comments:
- (liminal) Davor Bonaci
  Comments:
- (liminal) Liang Chen
  Comments:

IPMC/Shepherd notes:

Livy

Livy is a web service that exposes a REST interface for managing long running Apache Spark contexts in your cluster. With Livy, new applications can be built on top of Apache Spark that require fine grained interaction with many Spark contexts.

Livy has been incubating since 2017-06-05.

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**Signed-off-by:**

- (livy) Bikas Saha
  Comments:
- (livy) Luciano Resende
  Comments:
- (livy) Jean-Baptiste Onofré
  Comments:

**IPMC/Shepherd notes:**

**Milagro**

Milagro is core security infrastructure and crypto libraries for decentralized networks and distributed systems.

Milagro has been incubating since 2015-12-21.

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

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Signed-off-by:
- (milagro) Nick Kew
- (milagro) Jean-Frederic Clere

IPMC/Shepherd notes:

MXNet
A Flexible and Efficient Library for Deep Learning
MXNet has been incubating since 2017-01-23.

Three most important unfinished issues to address before graduating:

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Signed-off-by:
- (mxnet) Markus Weimer
- (mxnet) Bob Paulin
- (mxnet) Jason Dai
- (mxnet) Furkan Kamaci
NuttX

NuttX is a mature, real-time embedded operating system (RTOS).
NuttX has been incubating since 2019-12-09.

Three most important unfinished issues to address before graduating:

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Signed-off-by:

• (nuttx) Junping Du
• (nuttx) Justin Mclean
• (nuttx) Mohammad Asif Siddiqui
• (nuttx) Flavio Paiva Junqueira
• (nuttx) Duo Zhang

PageSpeed

PageSpeed represents a series of open source technologies to help make the web faster by rewriting web pages to reduce latency and bandwidth.
PageSpeed has been incubating since 2017-09-30.
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Signed-off-by:

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

IPMC/Shepherd notes:

Pegasus

Pegasus is a distributed key-value storage system which is designed to be simple, horizontally scalable, strongly consistent and high-performance.

Pegasus has been incubating since 2020-06-28.

Three most important unfinished issues to address before graduating:

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Signed-off-by:

- (pegasus) Kevin A. McGrail
  Comments:
- (pegasus) Duo zhang
  Comments:
- (pegasus) Liang Chen
  Comments:
- (pegasus) Von Gosling
  Comments:
- (pegasus) Liu Xun
  Comments:

IPMC/Shepherd notes:

Pony Mail

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

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

Three most important unfinished issues to address before graduating:

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Signed-off-by:

- (ponymail) John D. Ament
  Comments:
- (ponymail) Sharan Foga
  Comments:

IPMC/Shepherd notes:

SDAP

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

SDAP has been incubating since 2017-10-22.

Three most important unfinished issues to address before graduating:

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Signed-off-by:

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

IPMC/Shepherd notes:

ShenYu

ShenYu is a high performance Microservices API gateway in Java ecosystem, compatible with a variety of mainstream framework systems, it supports hot plugin loading.

ShenYu has been incubating since 2021-05-03.
Three most important unfinished issues to address before graduating:

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Signed-off-by:

- (shenyu) Willem Ning Jiang
  Comments:
- (shenyu) Jincheng Sun
  Comments:
- (shenyu) Duo Zhang
  Comments:
- (shenyu) Kevin Ratnasekera
  Comments:
- (shenyu) Atri Sharma
  Comments:
- (shenyu) Justin Mclean
  Comments:

IPMC/Shepherd notes:

Teaclave

Teaclave is a universal secure computing platform.

Teaclave has been incubating since 2019-08-20.

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**Signed-off-by:**

- (teclave) Felix Cheung
  Comments: 
- (teclave) Furkan Kamaci
  Comments: 
- (teclave) Jianyong Dai
  Comments: 
- (teclave) Matt Sicker
  Comments: 
- (teclave) Zhijie Shen
  Comments: 
- (teclave) Gordon King
  Comments: 

**IPMC/Shepherd notes:**

**Toree**

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

Toree has been incubating since 2015-12-02.

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

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**Training**

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

Training has been incubating since 2019-02-21.

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

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**Signed-off-by:**

- (toree) Luciano Resende
  Comments:
- (toree) Julien Le Dem
  Comments:
- (toree) Ryan Blue
  Comments:

**IPMC/Shepherd notes:**
YuniKorn

YuniKorn is a standalone resource scheduler responsible for scheduling batch jobs and long-running services on large scale distributed systems running in on-premises environments as well as different public clouds.

YuniKorn has been incubating since 2020-01-21.

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Signed-off-by:

- (yunikorn) Junping Du
- (yunikorn) Felix Cheung
- (yunikorn) Jason Lowe
- (yunikorn) Holden Karau
- (yunikorn) Wei-Chiu Chuang
- (yunikorn) Luciano Resende

IPMC/Shepherd notes: