

# October2021

## FINAL DO NOT EDIT

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>.
- 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

Wed October 06	Podling reports due by end of day
Sun October 10	Shepherd reviews due by end of day
Sun October 10	Summary due by end of day
Tue October 12	Mentor signoff due by end of day
Wed October 13	Report submitted to Board
Wed October 20	Board meeting

## Shepherd Assignments

Dave Fisher	EventMesh
Dave Fisher	InLong
Drew Farris	BlueMarlin
Drew Farris	Linkis
Justin Mclean	Kyuubi
P. Taylor Goetz	Annotator
P. Taylor Goetz	MXNet
P. Taylor Goetz	YuniKorn
Timothy Chen	Flagon
Timothy Chen	Pegasus
Timothy Chen	Teaclave
	DataLab
	Liminal

	Livy
	Milagro
	NuttX
	Pony Mail
	ShenYu

## Incubator PMC report for October 2021

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 September:

### IP Clearance

### Legal / Trademarks

### Infrastructure

### Miscellaneous

### Credits

### Table of Contents

Annotator  
BlueMarlin  
Flagon  
Hivemall  
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NuttX  
Pegasus  
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ShenYu  
Teaclave  
YuniKorn

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## Annotator

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

Annotator has been incubating since 2016-08-30.

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

1. Build community
2. Maintain a regular release cadence
3. Grow the PPMC and committer groups

### Are there any issues that the IPMC or ASF Board need to be aware of?

None at this time.

### How has the community developed since the last report?

There was a small surge in interest and issue reports from the community surrounding the most recent release, but that has yet to convert into a higher level of sustained activity.

### How has the project developed since the last report?

The project completed a second ASF release in September. Highlights of the release include converting the project to TypeScript and adding API documentation to the website.

### 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:

2021-09-03

### When were the last committers or PPMC members elected?

2018-09-04

### Have your mentors been helpful and responsive?

Mentors have been helpful and responsive to questions about release process, as well as responsive and supportive around reporting. There are no issues at this time.

### Is the PPMC managing the podling's brand / trademarks?

The PPMC is not aware of any branding issues at this time.

### Signed-off-by:

- (annotator) Nick Kew  
Comments:
- (annotator) Tommaso Teofili  
Comments:
- (annotator) Benjamin Young  
Comments:

### IPMC/Shepherd notes:

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## 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:

1. Improve DL-predictor performance and make error rate less than 15%.
2. Create a new release plan
3. Reduce the training time of LookALike model

### Are there any issues that the IPMC or ASF Board need to be aware of?

### How has the community developed since the last report?

This is the second report since incubation. As of September 9th, 2021, the project has 7 contributors and 2 forks. It has 11 closed pull requests and 0 open issues.

### How has the project developed since the last report?

The following features/fixes were added after March 30th, 2021:

1. Fix bugs on DLPredictor
2. Add outlier module to improve accuracy of the DLPredictor
3. Consider Ad-Unit-ID in clustering module in DLPredictor
4. Remove dead-points of time-series in DLPredictor
5. Add script to report performance statistics of DLPredictor
6. Add integration tests to DLPredictor
7. Update Lookalike Application to handle large user set

### 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:

NA

### When were the last committers or PPMC members elected?

NA

### Have your mentors been helpful and responsive?

Yes, but still need help to migrate our issue list from original github repo to apache github repo.

### Is the PPMC managing the podling's brand / trademarks?

No answer.

### Signed-off-by:

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

### IPMC/Shepherd notes:

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## 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:

1. Continue VOTE thread for Graduation on general@incubator

### Are there any issues that the IPMC or ASF Board need to be aware of?

None at this time.

### How has the community developed since the last report?

Onboarding new contributors within a large-scale university consortium. We expect VOTES on new committers Q4 2020.

### How has the project developed since the last report?

We have committed minor enhancements to UserALE.js and have maintained the code base. Ongoing development and design on visualization (Apache Superset) and analytics packages continues. We expect a new UserALE.js release in Q4 2021.

### 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:

2021-06-03 Apache UserALE.js 2.2.0

### When were the last committers or PPMC members elected?

2021-03-26 (Gedd Johnson)

### Have your mentors been helpful and responsive?

Yes, Mentors are supportive. Slow quarter, with focus on use-case and user community growth/training. Expect to reinvigorate Graduation VOTE in 2021 Q4.

### Is the PPMC managing the podling's brand / trademarks?

Yes.

### Signed-off-by:

- (flagon) Lewis John McGibbney  
Comments:
- (flagon) David Meikle  
Comments:
- (flagon) Tim Allison  
Comments:
- (flagon) Furkan Kamaci  
Comments:

### IPMC/Shepherd notes:

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## Hivemall

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

Hivemall has been incubating since 2016-09-13.

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

1. Community growth (committers and users)
2. One or more Apache Releases as an Incubator project

### Are there any issues that the IPMC or ASF Board need to be aware of?

PPMCs are considering exit approaches including retiring.

### How has the community developed since the last report?

- Not significantly different from the last report.
- Few traffic from users such as HIVEMALL-306, HIVEMALL-312, HIVEMALL-313
- Github stars are increased to 292 and 112 forks

### How has the project developed since the last report?

- Korean Tokenizer support (HIVEMALL-307)
- Hotfix for Spark support fixing user reported problems (HIVEMALL-311, HIVEMALL-312, HIVEMALL-314)

### 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:

2019-12-19

### When were the last committers or PPMC members elected?

Elected Jerome Banks as a committer on April 2, 2018.

### Have your mentors been helpful and responsive?

Yes

### Is the PPMC managing the podling's brand / trademarks?

Yes, we keep tracking podling's brand / trademarks.

### Signed-off-by:

- (hivemall) Daniel Dai  
Comments:
- (hivemall) Koji Sekiguchi  
Comments:

### IPMC/Shepherd notes:

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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:

1. Improve and optimize the system to solve the system shortboard
2. Promote the system, to let more people use and participate in the community
3. Building a diverse community with open governance

## Are there any issues that the IPMC or ASF Board need to be aware of?

No issues

## How has the community developed since the last report?

1. 1 new contributor has joined the community since the last report (currently: 57)
2. Participated in the ApacheCon Asia online conference in August, introducing the architecture and advantages of InLong
3. Plan to hold an offline + online meetup in October to discuss how to run the InLong community well in the next

## How has the project developed since the last report?

In version 0.10.0, we integrated the project, Dockerized all components, provided one-click installation capabilities, simplified module configuration, and lowered the threshold for using InLong; in the upcoming 0.11.0 version, we are doing the following Improvement: the entire chain adds support for Pulsar reporting, and the Sort module adds support for Iceberg and ClickHouse landing to increase the use of components.

## 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:

2021-09-14

## When were the last committers or PPMC members elected?

The last committer or PPMC was elected on on 2020-12-15.

Judging from the current contribution situation,it is expected that someone contributor will be promoted to the committer in the next version.

## Have your mentors been helpful and responsive?

Yes, our mentors are very helpful and responsive.

## Is the PPMC managing the podling's brand / trademarks?

Yes, all good here.

## Signed-off-by:

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

## IPMC/Shepherd notes:

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### Kyuubi

Kyuubi is a distributed multi-tenant Thrift JDBC/ODBC server for large-scale data management, processing, and analytics, built on top of Apache Spark and designed to support more engines.

Kyuubi has been incubating since 2021-06-21.

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

1. Gain more active contributors/committers to build a diverse community
2. Make Apache releases regularly and keep the quality for all releases
3. Improve project structure and documentation

## Are there any issues that the IPMC or ASF Board need to be aware of?

No

## How has the community developed since the last report?

1. 4 new contributors participate in the community since the last one. There are currently 46 contributors and 9 committers.
2. 17 authors have pushed 84 commits to master and 103 commits to all branches. On master, 172 files have changed and there have been 7,220 additions and 3,188 deletions.
3. Several discussions/bug reports on the GitHub Issues/WeChat groups, etc.
4. Number of GitHub stars increased (last report: 692, currently: 754).
5. Participate in 1 off line meetup (@ Huawei corp., Hangzhou, China) to promote the project.

## How has the project developed since the last report?

1. We have released 1.3.0-incubating in Sep. 15
2. RESTful API Design is accomplished, the community is working on implementation
3. Z-Order Support under dev
4. Flink engine support under discussion with a draft

## 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:

2021-09-15

## When were the last committers or PPMC members elected?

No new committer added yet

## Have your mentors been helpful and responsive?

No answer.

## Is the PPMC managing the podling's brand / trademarks?

No answer.

## Signed-off-by:

- (kyuubi) Willem Ning Jiang  
Comments:
- (kyuubi) Jeff Zhang  
Comments:
- (kyuubi) Duo Zhang  
Comments:
- (kyuubi) Akira Ajisaka  
Comments:

## IPMC/Shepherd notes:

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## 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:

1. Grow developers community.
2. Adoption of the project by a few companies.
3. More features - provide out-of-the-box usability for common use-cases.

### Are there any issues that the IPMC or ASF Board need to be aware of?

NA

### How has the community developed since the last report?

We have presented Liminal to several companies, got great feedback, and they are now evaluating Liminal for their use cases. We have presented in ApacheCon Asia and ApacheCon.

### How has the project developed since the last report?

We have released v 0.0.3 - a major milestone to Liminal, containing out-of-the-box functionality to run an ML pipeline locally and in AWS, using Airflow, Kubernetes & Spark.

### 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:

2021-08-12

### When were the last committers or PPMC members elected?

NA

### Have your mentors been helpful and responsive?

Super helpful.

### Is the PPMC managing the podling's brand / trademarks?

NA

### 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:

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### Linkis

Apache Linkis is a computation middleware project, which decouples the upper applications and the underlying data engines, provides standardized interfaces (REST, JDBC, WebSocket etc.) to easily connect to various underlying engines (Spark, Presto, Flink, etc.).

Linkis has been incubating since 2021-08-02. ### Three most important unfinished issues to address before graduating:

1. Improve project infrastructure(CI, CD, test automation, etc.) and structure to facilitate community collaboration
2. Make Apache releases regularly and keep the quality for all releases
3. Gain more active contributors and committers to build a diverse community

### Are there any issues that the IPMC or ASF Board need to be aware of?

None.

### How has the community developed since the last report?

- No new contributors since last report(2021/09/14). There are currently 51 contributors and 15 committers.
- 45 issues and 31 pull requests since last report.
- 125 GitHub stars increased (last report: 2095, currently: 2200).

### How has the project developed since the last report?

- Apache release 1.0.3 under development, progress 80%.
- Linkis website under development, progress 60%.

### 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:

2021-09-02

### When were the last committers or PPMC members elected?

2021/08

### Have your mentors been helpful and responsive?

Our mentors have been helpful and responsive.

### Is the PPMC managing the podling's brand / trademarks?

The PPMC manages the podling's brand / trademarks.

### Signed-off-by:

- (Linkis) Junping\_Du  
Comments:
- (Linkis) Duo Zhang  
Comments:
- (Linkis) Jerry Shao  
Comments:
- (Linkis) Lidong Dai  
Comments:
- (Linkis) Shao Feng Shi  
Comments:

### IPMC/Shepherd notes:

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## 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:

1. Continue to build relevant and useful crypto libraries and applications for decentralized networks in order to grow the ecosystem of users and contributors to the project. 2. Continue to improve compliance with the Apache Way. In particular to update the Milagro website and other project sites (e.g. Whimsy) in accordance with Apache policies.
2. Further releases to increase the scope of the Milagro project, extend the capability of existing releases and to demonstrate improved compliance with the Apache Way.

## Are there any issues that the IPMC or ASF Board need to be aware of?

Administrative tasks are still outstanding due to members' other commitments and the pandemic. These include In particular, a PPMC meeting to discuss the project roadmap needs to be arranged, old releases need to be deleted, confirmation that the project's Whimsy, Clutch, SVN, Confluence & Committers pages are all current, and the code signing keys needs countersigning. Investigations into a redirect on Milagro's home page and an XSS vulnerability on the Decentralized Trust Authority's Swagger page are ongoing.

## How has the community developed since the last report?

No change.

## How has the project developed since the last report?

Works is still progressing preparing the MPC library for its first official Apache release. Some issue regarding static code analysis were encountered but these have now been resolved. A request to release the Rust version of the core crypto library has been received from within the Milagro community.

## 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:

2020-02-10

## When were the last committers or PPMC members elected?

February 2020

## Have your mentors been helpful and responsive?

Previous podling report sign-off was missed.

## Is the PPMC managing the podling's brand / trademarks?

No known issues, but further investigation is still required by the Milagro community.

## Signed-off-by:

- (milagro) Nick Kew  
Comments:
- (milagro) Jean-Frederic Clere  
Comments:

## IPMC/Shepherd notes:

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## 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:

1. Clear any potential infringing use of the NuttX trademark

2. Achieve a non-WIP Disclaimer release under Apache
3. Continue to grow the community with people from different background

## Are there any issues that the IPMC or ASF Board need to be aware of?

The project has begun to discuss graduation to TLP and hopes to start this process in the near future. We would appreciate any helpful feedback that will assist us in taking this important step forward.

## How has the community developed since the last report?

- Virtually all communications have moved from old venues to [dev@nuttx.apache.org](mailto:dev@nuttx.apache.org). The dev list contains 245 subscribers, an increase of 7% since our previous report, and is the home of most development discussions and user questions.
- GitHub's PRs and Issues also have their own discussions.
- We are seeing new contributors to the project through GitHub.
- No non-PPMC committers have been added since the last report.
- One new PPMC member has been added since the last report: Sara Monteiro joined the PPMC in May.
- No non-PPMC committers have been added since the last report.

## How has the project developed since the last report?

- NuttX developers and contributors organized the annual NuttX Workshop 2021. Due to continuing concerns around COVID, this year's workshop was held online. The event took place on 21-22 August 2021 and can be seen online at <https://www.youtube.com/watch?v=KxhrrnO4qz0w>. More information about this and other NuttX events can be found at <https://nuttx.events>.
- We continue to make significant steps toward license clearing, needed for graduation. This month, we have received four new SGAs and five new ICLAs. Efforts continue to clear files and change their license to the Apache 2.0 License through the large effort of our volunteers. Since joining the Incubator, tens of thousands of files have been changed to the Apache 2.0 License with the permission of more than 70 individuals and 20 organizations who signed ICLAs, CCLAs, and SGAs to assist us in getting closer to graduation. We are grateful to everyone for their invaluable support through this important process.
- NuttX developers and contributors organized an event called NuttX Monthly Meetup, the first event of its kind, which took place at <https://meet.jit.si/NuttXMeetup>, to discuss topics such as continuing efforts toward license clearing and the next NuttX release. Following the event, a lengthy discussion took place at the NuttX mailing list where concerns were expressed about the meeting's content and synchronous venue. Currently it is unclear whether similar events will be organized in the future. If they will, it seems likely that the focus will be to promote NuttX and answer users questions.
- The community has begun discussing the next release, NuttX-10.2, and a developer has volunteered to serve as Release Manager for this release.
- Many technical improvements, bug fixes, and new architectures have been collaborated and work continues with several pull requests merged per day.
- We have listened to the valuable feedback received during our previous releases and continue to improve our documentation. This can be found at <https://nuttx.apache.org/docs/latest/>.

## 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:

NuttX-10.1.0 was released on 2021-05-26.

## When were the last committers or PPMC members elected?

Last elected PPMC: 2021-05-08

Last committer added: 2021-04-14

## Have your mentors been helpful and responsive?

Mentors are helpful and responsive.

## Is the PPMC managing the podling's brand / trademarks?

Podling name was approved on May 17th 2020: <https://s.apache.org/4hfzx>

## Signed-off-by:

- (nuttx) Duo Zhang  
Comments: Looking forward to your next release. And on the monthly meetup, my suggestion is still that, it is OK to hold these events but the final decision must be made on the mailing list, not on the event.
- (nuttx) Junping Du  
Comments:
- (nuttx) Justin Mclean  
Comments:
- (nuttx) Mohammad Asif Siddiqui  
Comments:
- (nuttx) Flavio Paiva Junqueira  
Comments:

## IPMC/Shepherd notes:

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### 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:

1. Grow the community, attracting more users, contributors and committers
2. Resolve the license problems
3. Publish more releases in ASF policy regularly

## Are there any issues that the IPMC or ASF Board need to be aware of?

N/A

## How has the community developed since the last report?

Since the last report, we have raise a offline meetup on 2021-09-25.

## How has the project developed since the last report?

We are discussing next release, it might be released on the end of October.

## 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:

2021-06-28: Apache Pegasus(incubating 2.2.0)

## When were the last committers or PPMC members elected?

New committer: Yanzhao Tang(2021-07-07)

## Have your mentors been helpful and responsive?

Yes

## Is the PPMC managing the podling's brand / trademarks?

Yes

## 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:

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## Pony Mail

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

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

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

1. Grow the community
2. Work towards a release of Foal
3. Ensure there are proper unit tests
4. Add tests for API compatibility

## Are there any issues that the IPMC or ASF Board need to be aware of?

None

## How has the community developed since the last report?

Making great progress on the next gen suite (Foal), with input from the usual suspects and more than 20 issues/PRs resolved this quarter, as well as lots of traffic on the dev@ list.

We hope to engage more of the community as well as grow it, in order to receive more valuable feedback from especially UI testing.

We have begun discussing graduation, though we feel we could use a few more people for better project oversight.

## How has the project developed since the last report?

No noteworthy developments on the community front, but activity in the project as noted above.

## 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:

2019-04-20

## When were the last committers or PPMC members elected?

Sean Palmer was elected committer on April 2nd, 2021.

## Have your mentors been helpful and responsive?

No answer

## Is the PPMC managing the podling's brand / trademarks?

No answer

## Signed-off-by:

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

## IPMC/Shepherd notes:

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### ShenYu

ShenYu is a high performance Microservices API gateway in Java ecosystem, compatible with a variety of mainstream framework systems, supports hot plug. Users can write their own plugin meet the current requirement and future needs in a variety of scenarios, especially in large-scale scenes.

ShenYu has been incubating since 2021-05-03.

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

1. Make an Apache Release.
2. Build new website document.
3. Building a diverse community with open governance.

## Are there any issues that the IPMC or ASF Board need to be aware of?

None.

## How has the community developed since the last report?

- 19+ new contributors and 1+ new committers participate in the community since entered the last report. There are currently 207 contributors and 26 committers.
- 60+ pull request since entered the last report
- There is regular traffic on the mailing list (~70+ mailing list discussions/month).
- Number of GitHub stars increased (last report: 5063, currently: 5341).
- Held 2 community meetings to discuss development tasks and how to build an open governance community.

## How has the project developed since the last report?

- Ready for release 2.4.1.
- Add WebSocket plugin.
- Add CryptorRequest plugin.
- Add CryptorResponsePlugin plugin.
- Support JDK8 ~ JDK15.
- Support dynamic loading plugin.
- Support local modification data mode.
- Support Grayscale Release for SpringCloud.
- Support Grayscale Release for Apache Dubbo.
- Support sign plugin custom dynamic sign provider.
- Remove lombok dependency.
- Remove mapstruct dependency.

## 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:

August 2021.

### When were the last committers or PPMC members elected?

September 2021

### Have your mentors been helpful and responsive?

Our mentors have been helpful and responsive.

### Is the PPMC managing the podling's brand / trademarks?

The PPMC manages the podling's brand / trademarks.

### 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:

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## Teaclave

Teaclave is a universal secure computing platform, making computation on privacy-sensitive data safe and simple.

Teaclave has been incubating since 2019-08-20.

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

- Improve project structure and documentation
- Grow the community (attracting more committers, contributors, users)
- Publish Apache releases (resolving logistics on Apache release)

### Are there any issues that the IPMC or ASF Board need to be aware of?

None.

### How has the community developed since the last report?

Since the last report, we have organized one monthly virtual meetup (we skipped one due to the public holiday). For each meetup, we have minutes write-up published on the Teaclave blog.

- Teaclave Meetup #7: <https://teaclave.apache.org/blog/2021-08-26-teaclave-meetup-7/>

Starting from this meetup, we use Google Calendar to show the meetup schedule and location (i.e., the Zoom link).

- Teaclave Community Calendar: <[https://calendar.google.com/calendar/u/0/embed?src=l1q5osem2br8i4bj7dgik5sa\\_e4@group.calendar.google.com](https://calendar.google.com/calendar/u/0/embed?src=l1q5osem2br8i4bj7dgik5sa_e4@group.calendar.google.com)>

We also have two new members elected since the last report:

- 2021-09-20: Yuan Zhuang (Apache ID: TBD), Committer
- 2021-09-20: Rong Fan (Apache ID: TBD), Committer

## How has the project developed since the last report?

Here are the summaries of recent progress:

### Teaclave Faas Platform

- Add TVM MNIST example
- Add IDE helper script
- Add license header and include SkyWalking Eyes in CI for automatic checking
- Release v0.3.0: <https://teaclave.apache.org/download/#teaclave>
- Consolidate `docker-compose` scripts for servers with different SGX drivers

### Teaclave TrustZone SDK

- TEE Socket APIs and examples
- Upgrade building docker to Ubuntu 20.04
- Switch to GitHub Actions
- Add `-rs` to examples and update test scripts
- Update to OP-TEE 3.14.0

### Teaclave SGX SDK

- Intel SGX SDK 2.14
- Move wiki pages to the document directory for homepage rendering
- Better project template

### Website

- [blog] Teaclave SGX SDK SGX · Aug 24 2021: <<https://teaclave.apache.org/blog/2021-08-25-developing-sgx-application-with-teaclave-sgx-sdk/>>
- [blog] Announcing Apache Teaclave (incubating) 0.3.0 · Sep 30 2021: <https://teaclave.apache.org/blog/2021-10-01-announcing-teaclave-0-3-0/>
- [style] Update the contributors page to include Apache ID and tags for each committers

### Community Collaboration

- Teaclave/Intel: Integrating Graphene as a new Library OS executor
- Teaclave/OP-TEE: Integrating examples in Rust TrustZone SDK in OP-TEE

## 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:

2021-08-23: Apache Teaclave (incubating) 0.3.0

## When were the last committers or PPMC members elected?

- 2021-09-20: Yuan Zhuang (Apache ID: TBD), Committer
- 2021-09-20: Rong Fan (Apache ID: TBD), Committer

## Have your mentors been helpful and responsive?

Yes, our mentors work responsively to help us with electing new mentors, developing new features, fixing bugs, and expanding the community.

## Is the PPMC managing the podling's brand / trademarks?

The VP, Brand has approved the project name. (PODLINGNAMESEARCH-175)

## Signed-off-by:

- (teaclave) Felix Cheung  
Comments:
- (teaclave) Furkan Kamaci  
Comments:
- (teaclave) Jianyong Dai  
Comments:

- (teaclave) Matt Sicker  
Comments:
- (teaclave) Zhijie Shen  
Comments:
- (teaclave) Gordon King  
Comments:

## IPMC/Shepherd notes:

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### 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.

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

1. Increase the number of contributors and committers.
2. Plan feature to release mapping.
3. Improve the ease of deployment and documentation quality.

### Are there any issues that the IPMC or ASF Board need to be aware of?

No issues at this point in time.

### How has the community developed since the last report?

Two new committers added, multiple new contributors added to the community. Released v0.11.0, work on v1.0.0 is in progress.

### How has the project developed since the last report?

Working towards a v1.0 release. Scheduler interface changes are planned to simplify the code. Improved node sorting code. Performance tests showing a major improvement and large advantage over the default Kubernetes scheduler. A performance blog is in preparation. Blog published (3rd party) on gang scheduling.

Some statistics for the report period (2021-07-01 till 2021-09-30):

JIRA: 141 created, 118 resolved

PRs: 125 opened, 122 resolved

17 unique active code contributors (cumulative for all repos)

### 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:

2021-08-27

### When were the last committers or PPMC members elected?

2021-08-26 & 2021-09-22 committers added

### Have your mentors been helpful and responsive?

Yes

### Is the PPMC managing the podling's brand / trademarks?

No issues that we are aware of.

### Signed-off-by:

- (yunikorn) Junping Du  
Comments:
- (yunikorn) Felix Cheung  
Comments:
- (yunikorn) Jason Lowe  
Comments:
- (yunikorn) Holden Karau  
Comments:
- (Iresende) Luciano Resende  
Comments: One of the important aspects of community building is reaching out to the folks in the community, I would have expected to see a mention about the planned meetup in the report -> <https://yunikorn.apache.org/community/events>

## IPMC/Shepherd notes: