

This document contains categories of contributions and behaviors relevant to becoming an Apache Mesos Project Committer. As a committer candidate you can use this list to collect and aggregate data on what you have achieved so far. Neither is this an exhaustive list nor do all categories need to be addressed, since there can be reasonably diverse committer profiles. But some categories are always crucial to have covered, as for instance writing high quality source code and performing meaningful code reviews. Eventually, your nominator can hand in your filled-out list to the PMC to facilitate their reviewing your case.

**Nomination date:**

**Candidate name:** *Chun-Hung Hsiao*

**JIRA user name:** *chhsia0*

**Github user name:** *chhsia0*

**Nominator:** *Jie Yu*

**Understanding of the Apache philosophy (The [Apache Way](#)) and understanding of the Mesos project's goals:**

- Continued contributions to designs, reviews, implementation, and bug fixes
- Emphasis on safe, maintainable, and readable code
- Worked with other contributors over slack and mailing lists
- Willing to work with the community to resolve software issues and improve the project

**Commitment to the Mesos project**

- [154 commits](#) made to the project, including 18,692 lines of addition and 4,571 lines of deletion.
- Activities across the project:
  - Slack: <https://mesos.slack.com/unreads/search/from:@chhsiao/>
  - Mailing lists: <https://www.mail-archive.com/search?l=dev%40mesos.apache.org&q=Chun-Hung+Hsiao>
- Upstream reporting and of library problems triggered by Mesos code:
  - gRPC: <https://github.com/grpc/grpc/issues?q=author%3Achhsia0>
  - Protobuf: <https://github.com/google/protobuf/issues?q=author%3Achhsia0>
  - CSI: <https://github.com/container-storage-interface/spec/issues?q=author%3Achhsia0>

**Knowledge and activity breadth and depth in the Mesos project as well as areas where the candidate could be a maintainer:**

- Made significant contributions to Resource Provider and CSI support ([MESOS-7235](#), [MESOS-8374](#)), including the design and implementation of Storage Local Resource Provider.
- Added gRPC client support in libprocess ([MESOS-7749](#)).
- Involved in the design of offer operation feedbacks ([MESOS-8054](#)).
- Demonstrated solid understanding of computer systems when resolving Mesos issues (e.g., [MESOS-7617](#), [MESOS-8480](#)).

**Can the candidate be trusted to act the right way outside of known areas where he/she has already demonstrated committer-level expertise and behavior:**

Chun-Hung usually pulls the maintainers of the areas in when working on components outside his own expertise, and he also does a good amount of study to have a good understanding on the problems to make the collaborations more smooth.

### **High quality source code**

A committer vouches that the candidate writes high-quality, "readable" code, adhering to Mesos style and best practices standards, both formal and informal.

Name of the committer: *Jie Yu*

### **Community participation**

- ☐ IRC
- ☒ dev mailing list
- ☒ user mailing list
- ☒ JIRA comments
- ☐ Stack Overflow
- ☐ Quora
- ☒ Developer Community Sync Meetings
- ☒ release votes
- ☒ documentation added
- ☒ other: *work groups and meetups*

### **Comments on Community Engagement**

- Chun-Hung attended several work groups and showed willingness to contribute. He also attended meetups to understand how the community uses Mesos and their needs.

### **Presentations at meetups, conferences, etc.**

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### **Reviews catching functionality issues**

- <https://reviews.apache.org/r/59987/#comment262409> (Qian)
- <https://reviews.apache.org/r/65491/#comment272592> (Jie)
- <https://reviews.apache.org/r/64353/#comment272560> (Joseph)
- <https://reviews.apache.org/r/63971/#comment269892> (Joseph)
- <https://reviews.apache.org/r/64177/#comment270236> (Jie)
- <https://reviews.apache.org/r/62502/#comment266626> (Jan)
- <https://reviews.apache.org/r/59141/#comment247701> (Gilbert)

### Reviews catching style issues

- <https://reviews.apache.org/r/59987/#comment277213> (Qian)
- <https://reviews.apache.org/r/65445/#comment276300> (Meng)
- <https://reviews.apache.org/r/65491/#comment276590> (Jie)
- <https://reviews.apache.org/r/65252/#comment275318> (Gilbert)
- <https://reviews.apache.org/r/64590/#comment272999> (Gaston)
- <https://reviews.apache.org/r/64726/#comment272912> (Gaston)
- <https://reviews.apache.org/r/64132/#comment270100> (Jie)
- <https://reviews.apache.org/r/62502/#comment266564> (Jan)
- <https://reviews.apache.org/r/59600/#comment249516> (Jie)

### Major source code contribution

- Resource Provider and CSI support ([MESOS-7235](#), [MESOS-8374](#))
- gRPC client support in libprocess ([MESOS-7749](#))

### JIRA tickets created

- Reported [69](#) tickets so far.

### JIRA tickets completed

- Resolved [61](#) tickets so far.

### Tests to ticket ratio: ~1/2

Among Chun-Hung's 154 commits, 45 of them affected tests. Chun-Hung have put a lot of effort on writing unit tests for new features he developed to ensure the features work properly. He also emphasizes on writing tests for special internal behaviors, so any future change affecting the internal behaviors will be revealed through the tests. He also fixed flaky tests and did a lot of cleanup to make sure the tests were in good quality.

### Initiated design documents:

- [Storage Local Resource Provider Design](#)
- [CSI & gRPC Client API Design in Libprocess & Mesos](#)

### Reviewed design documents:

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### Helping new contributors:

- Chun-Hung helped Meng to establish a better understanding about libprocess.

### Contributions to Documentation:

- <https://reviews.apache.org/r/65578/>
- <https://reviews.apache.org/r/64823/>
- <https://reviews.apache.org/r/62966/>
- <https://reviews.apache.org/r/65117/>

## **Dependability**

- <https://reviews.apache.org/r/65522/>
- <https://reviews.apache.org/r/62777/>
- <https://reviews.apache.org/r/61509/>
- <https://reviews.apache.org/r/61508/>
- <https://reviews.apache.org/r/61489/>
- <https://reviews.apache.org/r/61488/>
- <https://reviews.apache.org/r/58764/>
- <https://reviews.apache.org/r/57798/>