LF AI & Data Foundation Technical Advisory Council (TAC) Meeting Minutes
September 7, 2023 (6:00am - 7:00am PST) via Zoom

TAC Meetings are bi-weekly and open to everyone in the LF AI & Data community.

Voting Notes
Under the original charter rules we need 50% attendance from the voting members (represented by premier members + graduate projects) to meet quorum. To ensure quorum is met more consistently, the TAC implemented the following attendance and voting eligibility rule effective Dec 1, 2022: Voting members of the TAC who miss 2 consecutive meetings will not be allowed to vote and must then attend 2 consecutive meetings before their voting privileges are reinstated.

With the new attendance and voting rule adopted by the TAC, the number of eligible voting members varies per week and is tracked here. Please see meeting minutes on the TAC Wiki for details on attendance and voting eligibility on a per meeting basis.

Please see the TAC Wiki for more information about voting.
Please see current voting members, including alternates, on the TAC Wiki.

Voting details for today's meeting: <u>8</u> voting members were eligible to vote and <u>8</u> voting members were in attendance. Quorum was met for this meeting.

TAC Voting Member	Voting Representative	9/7/2023
Quorum	**Attendance/No. Eligible Votes**	8 of 8
4paradigm	Zhongyi Tan	
Baidu	Jun Zhang	
	Alternate: Daxiang Dong	
	Alternate: Yanjun Ma	
Ericsson	Rani Yadav-Ranjan	
Huawei	Howard (Huang Zhipeng)	
	Alternate: Charlotte (Xiaoman Hu)	
	Alternate: Leon (Hui Wang)	
IBM	Susan Malaika	Susan Malaika
	Alternate: Beat Buesser	

	Alternate: Alexandre Eichenberger	
Nokia	Michael Rooke	Michael Rooke
	Alternate: Jonne Soininen	
OPPO	Jimmy (Hongmin Xu)	
SAS	*Nancy Rausch	*Nancy Rausch
	Alternate: JP Trawinski	
ZTE	Wei Meng	
	Alternate: Liya Yuan	Alternate: Liya Yuan
Adversarial Robustness Too Project	Beat Buesser	Beat Buesser
	Alternate: Kevin Eykholt	
Angel Project	Jun Yao	
Egeria Project	Mandy Chessell	Mandy Chessell
	Alternate: Nigel Jones	
	Alternate: David Radley	
	Alternate: Maryna Strelchuk	
	Alternate: Ljupcho Palashevski	
	Alternate: Chris Grote	
Flyte Project	Ketan Umare	
Horovod Project	Travis Addair	
Milvus Project	Xiaofan Luan	
	Alternate: Jun Gu	
ONNX Project	Alexandre Eichenberger	Alexandre Eichenberger
	Alternate: Jim Spohrer	
	Alternate: Prasanth Pulavarthi	
	Alternate: Andreas Fehlner	Alternate: Andreas Fehlner
Pyro Project	Fritz Obermeyer	
OpenLineage	Julien Le Dem	

	Alternate: Mandy Chessell	Alternate: Mandy Chessell
	Alternate: Michael Robinson	Alternate: Michael Robinson

Note for Voting Members

Please ensure you attend the bi-weekly TAC meetings to maintain voting eligibility. If you have not already provided an alternate representative, please email Nancy Rausch (Nancy.Rausch@sas.com), TAC Chair AND operations@lfaidata.foundation to designate an alternate representative. It is critical to meet quorum during the meetings especially when there are voting items on the agenda.

LF Attendees

Lucy Hyde, Senior Program Manager, Linux Foundation
Reden Martinez, Project Coordinator, Linux Foundation
Nathan Southern, Project Coordinator, Linux foundation

Invited Guests/Presenters

- Willy Lulciuc - Senior Software Engineer at Astronomer, Co-creator of Marquez
- Alejandro Saucedo for ML Security Committee
- Suparna Bhattacharya for TrustedAI Committee

Call to Order

Nancy Rausch (NR) called the meeting to order at 6:03 am Pacific and Reden Martinez (RM) recorded the minutes.

NR reviewed the antitrust policy notice.

Agenda

Nancy Rausch (NR) reviewed the agenda for the meeting. There were no further changes or additional topics added.

- › Roll Call (1 mins)
- › Approval of Minutes from previous meetings (2 mins)
- › Project Marquez Graduation Proposal
- › Updates: MLSecOps Committee
- › Updates: Trusted AI Committee

› Open Discussion

Approval of Minutes

Nancy Rausch (NR) presented a resolution to approve the minutes of the August 24, 2023 TAC meeting.

Proposed Resolution:

That the minutes of the August 24, 2023 meeting of the Technical Advisory Council of the LF AI & Data Foundation are hereby approved.
Mandy Chessell made the first motion to approve the minutes, and Liya Yuan seconded the motion.

APPROVED - By vote of the TAC, the minutes of the August 24, 2023 meeting of the Technical Advisory Council were approved.

Project Marquez: Graduation Request

Nancy Rausch (NR) introduced Willy Lulciuc (WL), who serves as the Senior Software Engineer at Astronomer and leads the Marquez project.

WL discussed the inception and growth of Project Marquez, which began as an open-source initiative in July 2018. Initially, it gained 180 GitHub stars and later joined as an incubation-stage project with LFAI and Data in December 2019.

In 2020, the project expanded by collaborating with OpenLineage within the Marquez ecosystem. It now boasts over 1.4K GitHub stars and partnerships with organizations like Decathlon, Asana, Northwestern Mutual, Astronomer, Egeria, a "large tech company," and a "large bank."

With 293 active contributors, the project excels in core infrastructure best practices, scoring perfectly on the Silver level and impressively on the Gold level. It has been highly active recently with 177 commits in the last three months, accumulating 2.34K commits over three years, demonstrating its commitment to growth.

The project's governance and procedural frameworks, including a Technical Steering Committee (TSC), a Contributor guide, Charter, Code of Conduct, and a Code quality statement, ensure an organized and inclusive development environment.

Moreover, it has fostered valuable collaborations with LFAI & Data, particularly with OpenLineage and Egeria, highlighting its dedication to open-source collaboration and community expansion. As it reaches this milestone, Project Marquez is ready for graduation.

Today, Project Marquez is applying for project promotion from the Incubation stage to the Graduation stage.

Proposed Resolution:
That the Marquez project is approved by the Technical Advisory Council (TAC) as a graduated project of the LF AI & Data Foundation.

Mandy Chessel made the first motion to approve, and Alexandre Eichenberger seconded the motion.

APPROVED - By vote of the TAC, the OpenLineage project was approved as a Graduated project.

Updates: MLSecOps Committee

Nancy Rausch (NR) introduced Alejandro Saucedo (AS), who provided updates on the Machine Learning Security Committee. AS outlined the committee's core objectives, emphasizing its role as a forum for discussing machine learning security. Key priorities of the MLSecurity Committee include publishing educational resources, promoting ML security standards, and offering best practices for secure machine learning.

AS also highlighted notable achievements, including the release of MLSecOps Top 10 in 2021 and the introduction of founding members in ML Security. AS also discussed MLSecOps events and keynotes, such as NeurIPS 2022, Kubecon North America, and the Open Source Summit, as well as updates on the MLSecOps Ecosystem through blog posts.

Furthermore, AS touched upon the committee's collaboration with OpenSSF, focusing on encouraging cross-participation between foundations, introducing sessions in shared calendars, maintaining existing schedules, and exploring opportunities for contributions. The committee aims to engage domain experts for project incubation, co-publish thought leadership resources, and foster collaboration within the ML Security domain. Additionally, they seek to involve members from LF AI & Data in other areas, encourage contributions related to security topics, and invite participation from members of other foundations. AS encouraged individuals to explore

various SIGs, Committees, and Working Groups and participate in active projects, initiatives, and working sessions.

Updates: Trusted AI Committee

Nancy Rausch (NR) introduced Susan Malaika (SM), who, on behalf of the Trusted AI Committee, provided an update on the Trusted AI Committee. SM summarized recent committee activities, emphasizing blog articles, topic presentations, and collaborations with companies and LF projects that have expanded the committee's network.

Looking ahead to 2023/24, the committee has plans for a Trusted AI Day in the first half of 2024 and the launch of a new LF Podcast called "AI Horizons: Visions of Tomorrow." They are also focused on the AI Software Bill of Materials (AI-SBOM) Project to address EU AI Act transparency requirements and developing benchmark metrics for LLM.

Additionally, there is consideration for the formation of an Emerging Generative AI Committee, reflecting the committee's commitment to addressing emerging AI challenges.

The committee also shared proposed workstreams for 2023 and 2024:

1. Trusted AI Day (1Q2024) with Susan Malaika planning an event focusing on Trusted AI aspects.
2. Outreach and Education - Podcast by Adrian Gonzalez Sanchez for discussions on AI topics.
3. Regulation - AI-SBOM for Transparency led by Adrian Gonzalez Sanchez to address transparency requirements.
4. Technical - FM/LLM Evaluation Techniques Analysis led by Suparna Bhattacharya to explore evaluation and benchmarking approaches for FM and LLM models.

These workstreams contribute to Trusted AI's goals and objectives.

Open Discussion

No further topics were discussed.

Upcoming TAC Meetings

September 21, 2023 - AIDA Sandbox Project Proposal
October 5, 2023 - LMSYS Project Review

Please note the TAC is always open to agenda suggestions and guest presentations. If you have a topic you would like to request, please email tac-general@lists.lfaidata.foundation for review and coordination via the TAC Chair accordingly.

Closing
With no further business, the meeting was adjourned by NR at 7:01 AM Pacific.

Chat:

21:28:53 From Ofer Hermoni To Everyone:
    Congratulations team!
21:28:59 From Alejandro Saucedo To Everyone:
    Congratulations
21:29:08 From Michael Robinson | OpenLineage To Everyone:
    Thanks, everyone!
21:29:20 From Willy Lulciuc To Everyone:
    Reacted to "Congratulations team..." with ❤️
21:29:31 From Mandy Chessell (Egeria) To Everyone:
    Well deserved 🙂
21:29:37 From Willy Lulciuc To Everyone:
    Reacted to "Congratulations" with ❤️
21:29:42 From Willy Lulciuc To Everyone:
    Reacted to "Well deserved 🙂" with ❤️
21:29:44 From Susan Malaika @IBM To Everyone:
    Reacted to "Well deserved 🙂" with 👏
21:29:49 From Michael Robinson | OpenLineage To Everyone:
    Reacted to "Well deserved 🙂" with ❤️
21:29:58 From Willy Lulciuc To Everyone:
    Replying to "Well deserved 🙂"

    Thanks, Mandy!
21:30:27 From LF AI & Data Zoom General To Everyone:
    Please post any questions you have for the Marquez team here.
21:38:10 From Willy Lulciuc To Everyone:
    Reacted to "Please post any ques..." with 👀

21:46:20 From Andreas Fehlner (ONNX, Trusted AI Committee) To Everyone:
     https://github.com/onnx/onnx/issues/5262
21:46:34 From Andreas Fehlner (ONNX, Trusted AI Committee) To Everyone:
     We now have ability to sign models with Sigstore, please see
https://github.com/google/model-transparency/tree/main/model_signing#onnx

     Currently we're incubating this, testing to see if things are working properly, if all supported models work, etc. Plan is to then be able to integrate this as a library in ML frameworks to make signing and verification as transparent to the users as possible.

     Please let us know if there are any pieces we're missing.
21:46:52 From Suparna Bhattacharya To Everyone:
     Reacted to "We now have ability ..." with 👍
21:47:20 From Alejandro Saucedo To Everyone:
     Great - would be awesome to have a presentation on this on the committee @Andreas
21:47:27 From Alejandro Saucedo To Everyone:
     Also this is one of the talks I was mentioning
https://ep2023.europython.eu/session/poisoned-pickles-make-you-ill
21:47:52 From Alejandro Saucedo To Everyone:
     This is the keynote at NeurIPS https://www.youtube.com/watch?v=7XSy5aw8oU8
21:49:26 From Lucy Hyde | Program Manager To Everyone:
     It's more foundational than ML but Alpha Omega gave a security grant tithe Rust Foundation if you focus on language specific security. Happy to put you in touch if you like :)
21:51:44 From Lucy Hyde | Program Manager To Everyone:
     To the *
21:58:40 From Mandy Chessell (Egeria) To Everyone:
     Got to leave for next call - see you all next time