Meeting of the LF AI & Data Technical Advisory Council (TAC)

October 5, 2023

□LF AI & DATA

Antitrust Policy

› Linux Foundation meetings involve participation by industry competitors, and it is the intention of the Linux Foundation to conduct all of its activities in accordance with applicable antitrust and competition laws. It is therefore extremely important that attendees adhere to meeting agendas, and be aware of, and not participate in, any activities that are prohibited under applicable US state, federal or foreign antitrust and competition laws.

› Examples of types of actions that are prohibited at Linux Foundation meetings and in connection with Linux Foundation activities are described in the Linux Foundation Antitrust Policy available at http://www.linuxfoundation.org/antitrust-policy. If you have questions about these matters, please contact your company counsel, or if you are a member of the Linux Foundation, feel free to contact Andrew Updegrove of the firm of Gesmer Undergone LLP, which provides legal counsel to the Linux Foundation.

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Recording of Calls

Reminder:

TAC calls are recorded and available for viewing on the TAC Wiki

Reminder: LF AI & Data Useful Links

› Web site: lfaidata.foundation
› Wiki: wiki.lfaidata.foundation
› GitHub: github.com/lfaidata
› Landscape: https://landscape.lfaidata.foundation or https://l.lfaidata.foundation
› Mail Lists: https://lists.lfaidata.foundation
› Slack: https://slack.lfaidata.foundation
› Youtube: https://www.youtube.com/channel/UCfasaeqXJBCAJMNO9HcHfbA
› LF AI Logos: https://github.com/lfaidata/artwork/tree/master/lfaidata
› LF AI Presentation Template: https://drive.google.com/file/d/1eiDNJvXCqSZHT4Zk_-czASlz2GTBRZk2/view?usp=sharing

› Events Page on LF AI Website: https://lfaidata.foundation/events/
› Events Calendar on LF AI Wiki (subscribe available): https://wiki.lfaidata.foundation/pages/viewpage.action?pageId=12091544
› Event Wiki Pages: https://wiki.lfaidata.foundation/display/DL/LF+AI+Data+Foundation+Events

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Agenda

› Roll Call (1 mins)

› Approval of Minutes from previous meeting (2 mins)

› Update on the Generative AI commons (Matt White)

› LMSYS Project review (20 minutes)

› Open Discussion

TAC Voting Members - Please note

Please ensure that you do the following to facilitate smooth procedural quorum and voting processes:

- Change your Zoom display name to include your First/Last Name, Company/Project Represented
  - example: Nancy Rausch, SAS
- State your First/Last Name and Company/Project when submitting a motion
  - example: First motion, Nancy Rausch/SAS

TAC Voting Members

Note: we still need a few designated backups specified on wiki

Member Company or Graduated Project	Membership Level or Project Level	Voting Eligibility	Country	TAC Representative	Designated TAC Representative Alternates
4paradigm	Premier	Voting Member	China	Zhongyi Tan	
Amazon Web Services	Premier	Voting Member	USA		
Baidu	Premier	Voting Member	China	Jun Zhang	Daxiang Dong, Yanjun Ma
Ericsson	Premier	Voting Member	Sweden	Rani Yadav-Ranjan	
Huawei	Premier	Voting Member	China	Howard (Huang Zhipeng)	Charlotte (Xiaoman Hu), Leon (Hui Wang)
IBM	Premier	Voting Member	USA	Susan Malaika	Beat Buesser, Alexandre Eichenberger
Nokia	Premier	Voting Member	Finland	@Michael Rooke	@Jonne Soininen
OPPO	Premier	Voting Member	China	Jimmy (Hongmin Xu)	
SAS	Premier	Voting Member	USA	*Nancy Rausch	Liz McIntosh
ZTE	Premier	Voting Member	China	Wei Meng	Liya Yuan
Adversarial Robustness Toolbox Project	Graduated Technical Project	Voting Member	USA	Beat Buesser	Kevin Eykholt
Angel Project	Graduated Technical Project	Voting Member	China	Jun Yao	
Egeria Project	Graduated Technical Project	Voting Member	UK	Mandy Chessell	Nigel Jones, David Radley, Maryna Strelchuk, Ljupcho Palashevski, Chris Grote
Flyte Project	Graduated Technical Project	Voting Member	USA	Ketan Umare	
Horovod Project	Graduated Technical Project	Voting Member	USA	Travis Addair	
Milvus Project	Graduated Technical Project	Voting Member	China	Xiaofan Luan	Jun Gu
ONNX Project	Graduated Technical Project	Voting Member	USA	Alexandre Eichenberger	Andreas Fehlner, Prasanth Pulavarthi, Jim Spohrer
Pyro Project	Graduated Technical Project	Voting Member	USA	Fritz Obermeyer	
Open Lineage Project	Graduated Technical Project	Voting Member	USA	Julien Le Dem	Michael Robinson, Mandy Chessell
Marquez Project	Graduated Technical Project	Voting Member	USA	Willy Lulciuc	TBD

Minutes approval

Approval of September 21, 2023 Minutes

Draft minutes from the September 21 TAC call were previously distributed to the TAC members via the mailing list

Proposed Resolution:

› That the minutes of the September 21 meeting of the Technical Advisory Council of the LF AI & Data Foundation are hereby approved.

Generative AI Commons update
Matt White

LF AI & DATA

Generative AI Commons

October 4th, 2023

Agenda

- Logistics
- Mission statement
- Chair/Vice-Chair election results
- Trusted AI Committee Presentation
- Model Openness Framework
- Workstreams and scope discussion
- Open Discussion

Logistics

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Basic Information

Mailing list: (60+ participants from 25+ companies)
(Site) https://lists.lfaidata.foundation/g/gen-ai-committee/
(Email) gen-ai-committee@lists.lfaidata.foundation

Wiki:
https://lists.lfaidata.foundation/g/gen-ai-committee/wiki/34454/190408

Bi-weekly calls:
Bi-weekly meetings on Wednesday at 7:00 am PST, hosted via LFX

To subscribe: for now, please email <gen-ai-meetings@lfaidata.foundation> with the name and email address or list of attendees

Create an LF ID as we will be managing the call using our LFX platform and we will transition the users from the zoom invite to LFX.

Logistics

Composition

Members only - open to non-LF AI & Data members by invitation.

Agenda

Matt will drive agenda until a Chair and Vice Chair are elected. To add topics, please let us know; we are looking for speakers.

Contact Details

Please ensure that their full names are stored in the "Display Name" for their profile in Groups.io?

https://lists.lfaidata.foundation/g/gen-ai-committee/

Slack Channel

LF AI & Data Invite Link

Slack Channel: #generative-ai-committee

Re-cap of previous call 09/20/2023

- 09/20/2023 Slide deck and minutes [URL]

- Action items:

    - Ensure everyone has signed up for workstreams: [here]
    - Add additional activities in each workstream [here]
    - Volunteer lead(s) per workstream (SME) to drive the effort in coordination with Matt White and the Chair/Vice Chair
    - Define objectives and deliverables per activity in each workstream
    - Break down objectives and deliverables into tasks

- Takeaways:

    - Make profiles visible to see each other. (send out instructions)
        - https://lists.lfaidata.foundation/g/gen-ai-committee/editprofile
    - Proposed storage location for shared materials (Slack deleted within 3 months.)
    - Methodology to address groups formation and lead

Updates and News

- First Approved Project: Incubating RWKV: Reinventing RNNs for the Transformer Era ([Paper](#))
- PyTorch Conference 2023: Oct 16-17. San Francisco. [[register here](#)]
- AI.Dev Open-Source Generative AI & ML Summit. December 12-13. San Jose. [[register here](#)] (RFP)

- Feel free to submit your updates and news to [Matt](#) for inclusion here.
  - Industry announcements
  - New innovations
  - Upcoming events
  - Conversation-worthy topics

Mission Statement

Generative AI Commons Missions Statement

The LF AI & Data Generative AI Commons is dedicated to fostering the democratization, advancement and adoption of efficient, secure, reliable, and ethical Generative AI open source innovations through neutral governance, open and transparent collaboration and education.

Election Results

Election Results

Chair: Alexy Khrabrov, IBM

Vice Chair: Jerry Tan, 4Paradigm

Trusted AI Committee Presentation

Trusted AI Committee Update

- Presenter: Susan Malaika

- Duration: 15 minutes

Main Workstreams and Scope Discussions

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Initial Work Streams

Models

- Hosted generative models
- Tools and applications
- AI app frameworks

Data

- Open datasets
- Pre-processing tools
- Vector databases

AI Frameworks

- Model openness
- Responsible/Trusted AI
- Reference architectures

Education & Outreach

- AI advocacy
- Best practices
- Training and certification

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Workstream Process (1/2)

1. Workstream Group Formation:

- **Team Leads Selection:** Each workstream will have one or two team leads. The responsibilities include:
    - Scheduling and organizing meetings.
    - Crafting meeting agendas.
    - Liaising with other workstream leads.
    - Coordinating with Matt, the Chair, and Co-Chair of the Commons.
    - Providing updates to the Commons membership.
    - Facilitating collaborative decision-making within the team.
- **Volunteering as Leads:** Consider if you'd like to be a workstream lead. Chairs or Co-Chairs can also take up this role. Currently, we need a lead for the "Data-Centric" workstream. Indicate your interest in the shared spreadsheet by putting an asterisk beside your name.

2. Workstream Ideation, Agreement, and Detailing:

- **Idea Generation:** Populate the shared spreadsheet with your ideas on potential objectives and deliverables for each workstream before the next meeting. This will form the foundation for our discussions.
- **Agreement on Objectives & Deliverables:** Once ideas are gathered, each workstream group will deliberate and agree upon the objectives and deliverables to undertake. It's crucial to prioritize, potentially moving some items to a future backlog or eliminating them if not deemed valuable.
- **Task Breakdown:** Detail the agreed objectives and deliverables into specific tasks and concrete steps. This involves:
    - Defining the scope and requirements for each task.
    - Assigning roles and responsibilities.
    - Establishing timelines and milestones.
    - Identifying resources and tools needed.
    - Agreeing on a system for monitoring progress and addressing challenges.

Workstream Process (2/2)

3. Collaboration and Communication:

- **Cross-Workstream Collaboration:** Foster open communication between workstream groups to leverage collective knowledge, avoid duplication of effort, and ensure alignment with the overall mission of the Commons.
- **Feedback Loops:** Establish regular feedback loops within and between workstream groups, as well as with the broader Commons membership. This helps in refining strategies, addressing challenges promptly, and sharing learnings.
- **Knowledge Sharing:** Leverage a common platform (groups.io workstream space) for sharing insights, resources, and best practices among workstream groups. This encourages learning and contributes to the overall success of the projects.

4. Review & Adjustment:

- **Periodic Review Meetings:** Conduct review meetings to assess progress, discuss challenges, and adjust plans as necessary. Celebrate achievements and recalibrate strategies for continuous improvement.
- **Adjustment & Scaling:** Be adaptable to changing needs, emerging opportunities, and feedback. Consider scaling efforts or pivoting focus based on the evolving landscape and the goals of the Generative AI Commons.

Workstreams - Generative AI Frameworks

General activities and deliverables

- Framework to evaluate the openness of generative AI models
- Responsible AI & Trusted AI
- Generative AI reference architectures

Ahmed Abdelmonsef (IBM) - Team Lead	Ofer Hermoni	Jerry Tan(4paradigm)
Ibrahim Haddad (LF)	Anni Lai	Nancy Rauch (SAS)
Hai-Xu Cheng	Louise Cooper (IBM)	Annmary Justine(HPE)
Ke Ding (Intel)	Nick Chase (CloudGeometry)	Saurabh Tangri (Intel)
Rani Yadav-Ranjan	Alexy Khrabrov (IBM)	Esteves, Rodolfo G (Intel)

Workstreams - Models

Model-focused activities and deliverables

- Sourcing and hosting generative models (including domain-specific)
- Collaborating on building foundational models
- Hosting generative AI supporting tools, libraries, frameworks, etc.
- Compute for model training program
- Generative AI application frameworks

Nick Chase (CloudGeometry) - Team Lead	Gyanaranjan Nayak(HPE)	Alexy Khrabrov (IBM)
Saurabh Tangri (Intel) - Team Lead	Rafael Vasquez (IBM)	Han Xiao (Jina AI)
Gaokun King	Jerry Tan(4paradigm)	Jigisha Mavani (IBM)
Ke Ding (Intel)	Anni Lai (FutureWei)	Esteves, Rodolfo G (Intel)
Zeljka Lemaster (Ericsson)	Annmary Justine(HPE)	

Workstreams - Data

[Data-focused activities and deliverables](#)

- Hosting and curating open source datasets
- Hosting data supporting tools (annotation, labeling, workflow, etc.)
- Hosting generative AI-related database platforms (vector stores)

TEAM LEAD???	**Gaokun King**	**Nick Chase (CloudGeometry)**
Rani Yadav-Ranjan	**Anni Lai (FutureWei)**	**Annmary Justine(HPE)**
Zeljka Lemaster (Ericsson)	**Louise Cooper (IBM)**	**Alexy Khrabrov (IBM)**
Jigisha Mavani (IBM)	**Gyanaranjan Nayak(HPE)**	**Nancy Rausch**

Workstreams - Education & Outreach

[Activities and deliverables for knowledge sharing](#)

- Share knowledge and expertise to develop responsible and informed AI legislation (papers, webinars, etc)
- Provide thought leadership and expertise as members embark upon their generative AI journey
- Training and certification via the LF
- Share best practices
- Guiding open source AI governance

Ofer Hermoni - Team Lead	Irving Wladawsky-Berger	** Nick Chase (CloudGeometry)
Ibrahim Haddad	Adrian Gonzalez Sanchez	Louise Cooper (IBM)
Gaokun King	Nora Anwar (Linux Foundation)	Alexy Khrabrov (IBM)
Jen Shelby (Linux Foundation)	Anni Lai (FutureWei)	Han Xiao (Jina AI)

Next Steps

- Ensure everyone has signed up for workstreams: [here]

- Team lead(s) per workstream to schedule team meeting for next week
  - Team meeting activities:
    - Define objectives and deliverables per activity in each workstream
    - Break down objectives and deliverables into tasks [here] (if possible)

Next Call

Next Call

Wednesday October 18, 2023 at 7:00 am PST

10/18/2023 - Tentative Agenda:

- Carry over items from meeting today
- Other topics or talks per members proposals (me@matt-white.com, ibrahim@linuxfoundation.org)

Reminder: We have instantiated the LF AI & Data Generative AI Committee utilizing our LFX Meetings tool which will require each attendee to login using their LF ID. If you do not already have an LF ID, you can create one here. If you already have an LF ID and would like to update your profile you can do so here.

Open Discussion

LMSYS project review
Lianmin Zheng

LF AI & DATA

Upcoming TAC Meetings

Upcoming TAC Meetings

› October 19 – OVN projects new project planned for Incubation

› November 2 – MetisFL – tentative

Please note we are always open to special topics as well.

If you have a topic idea or agenda item, please send agenda topic requests to
tac-general@lists.lfaidata.foundation

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Upcoming Events of Interest

› 2023 AICON Middle East Summit - October 8th to 9th in Riyadh
https://lfaidata.foundation/blog/2023/07/18/2023-aicon-middle-east-summit-call-for-topics-from-around-the-world/

Open Discussion

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TAC Meeting Details

› To subscribe to the TAC Group Calendar, visit the wiki:
https://wiki.lfaidata.foundation/x/cQB2 _____

› Join from PC, Mac, Linux, iOS or Android: https://zoom.us/j/430697670

› Or iPhone one-tap:

    › US: +16465588656,,430697670# or +16699006833,,430697670#

› Or Telephone:

    › Dial(for higher quality, dial a number based on your current location):

    › US: +1 646 558 8656 or +1 669 900 6833 or +1 855 880 1246 (Toll Free) or +1 877 369 0926 (Toll Free)

› Meeting ID: 430 697 670

› International numbers available: https://zoom.us/u/achYtcw7uN

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