Meeting of the Technical Advisory Council (TAC)

June 17th, 2021



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- > 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.



Recording of Calls

Reminder:

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



Reminder: LF AI & Data Useful Links

> Web site: Ifaidata.foundation

Wiki: <u>wiki.lfaidata.foundation</u>

> GitHub: <u>github.com/lfaidata</u>

> Landscape: https://landscape.lfaidata.foundation or https://landscape.lfaidata.foundation or https://landscape.lfaidata.foundation

> Mail Lists: https://lists.lfaidata.foundation

> Slack: https://slack.lfaidata.foundation

Youtube: https://www.youtube.com/channel/UCfasaeqX|BCA|MNO9HcHfbA

> LF AI Logos: https://github.com/lfaidata/artwork/tree/master/lfaidata

> LF AI Presentation Template:

https://drive.google.com/file/d/leiDNJvXCqSZHT4Zk -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



Agenda

- Roll Call (2 mins)
- Approval of Minutes from June 3rd (3 mins)
- Invited Presentation Committee Proposal (20 minutes)
 - MLOps (Saishruthi Swaminathan < saishruthi.tn@ibm.com >)
- Invited Presentation (25 minutes)
 - GSI (aakerib@gsitechnology.com, tsahi.levy@gmail.com, ywechsler@gsitechnology.com)
- > Electing New TAC Chair (Ibrahim Haddad) (5 minutes)
- > Annual Project Review Schedule (Jim Spohrer) (2 minutes)
- LF AI General Updates (I minutes)
- Open Discussion (I minutes)



TAC Voting Members

* = still need backup specified on wiki

Board Member	Contact Person	Email
AT&T	Anwar Atfab*	anwar@research.att.com
Baidu	Ti Zhou	zhouti@baidu.com
Ericsson	Rani Yadav-Ranjan*	rani.yadav-ranjan@ericsson.com
Huawei	Huang Zhipeng	huangzhipeng@huawei.com
IBM	Susan Malaika	malaika@us.ibm.com
Nokia	Jonne Soininen	jonne.soininen@nokia.com
OPPO	Jimin Jia*	jiajimin@oppo.com
SAS	Nancy Rausch	nancy.rausch@sas.com
Tech Mahindra	Amit Kumar	Kumar_Amit@techmahindra.com
Tencent	Bruce Tao	brucetao@tencent.com
Zilliz	Jun Gu	jun.gu@zilliz.com
ZTE	Wei Meng	meng.wei2@zte.com.cn
Graduate Project	Contact Person	Email
Acumos	Nat Subramanian	natarajan.subramanian@techmahindra.com
Angel	Bruce Tao	brucetao@tencent.com
Egeria	Mandy Chessell	mandy_chessell@uk.ibm.com
Horovod	Travis Addair*	taddair@uber.com
Milvus	Xiaofan Luan	xiaofan.luan@zilliz.com
ONNX	Jim Spohrer (Chair of TAC)	spohrer@us.ibm.com
Pyro	Fritz Obermeyer*	fritz.obermeyer@gmail.com



Approval of June 3rd, 2021 Minutes

Draft minutes from the June 3rd TAC call were previously distributed to the TAC members via the mailing list

Proposed Resolution:

> That the minutes of the June 3rd meeting of the Technical Advisory Council of the LF AI & Data Foundation are hereby approved.



MLOps Committee Proposal

Saishruthi Swaminathan

saishruthi.tn@us.ibm.com

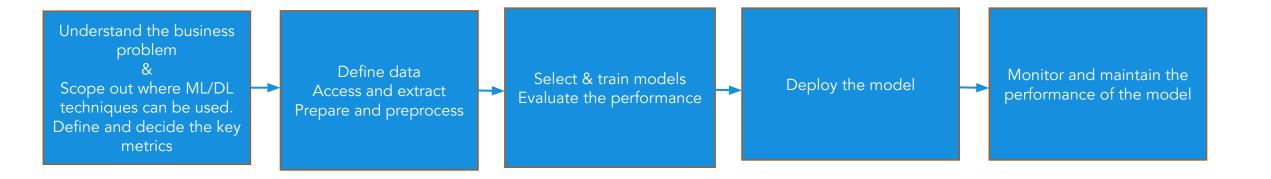


MLOps

Set of tools and principles to support machine learning project lifecycle

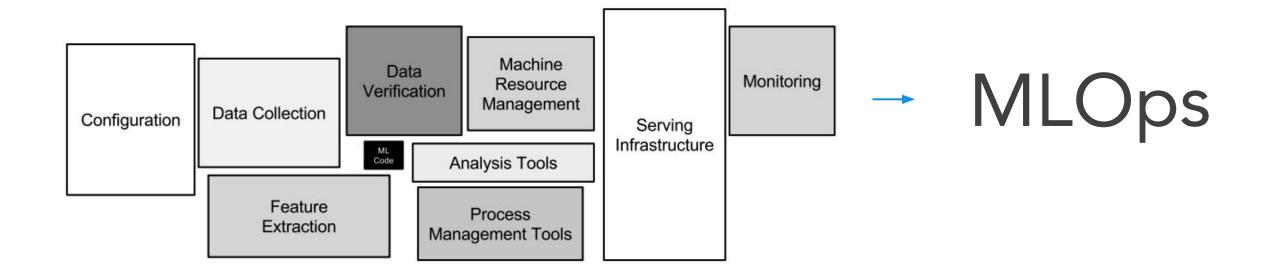


ML Lifecycle





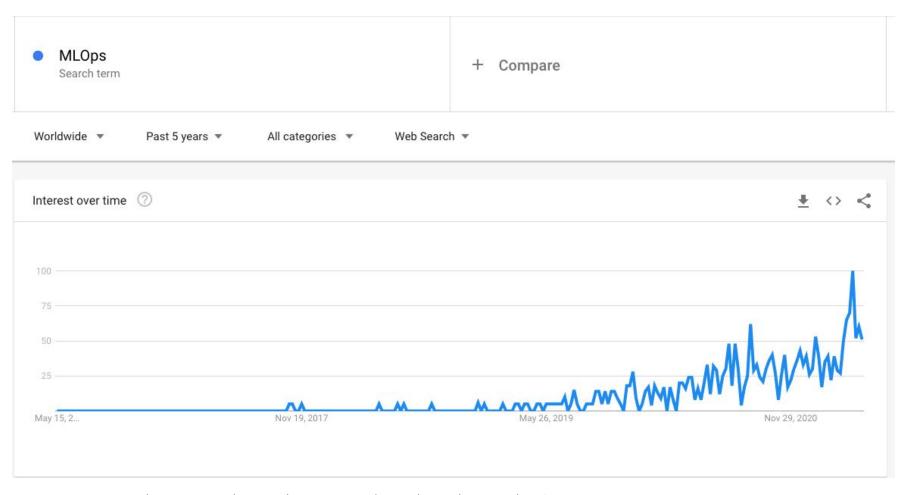
Hidden Technical Debt in ML Systems



https://papers.nips.cc/paper/2015/file/86df7dcfd896fcaf2674f757a2463eba-Paper.pdf



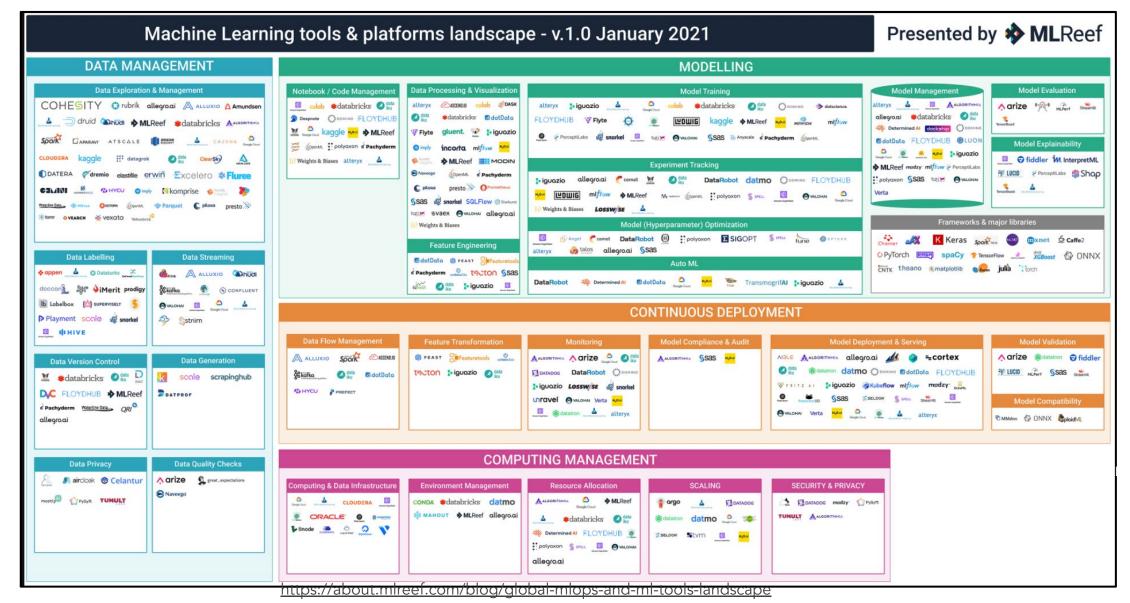
Current Trend Worldwide





https://trends.google.com/trends/explore?date=today%205-y&q=MLOps

Key Projects in MLOps Space



LF AI & Data Mission

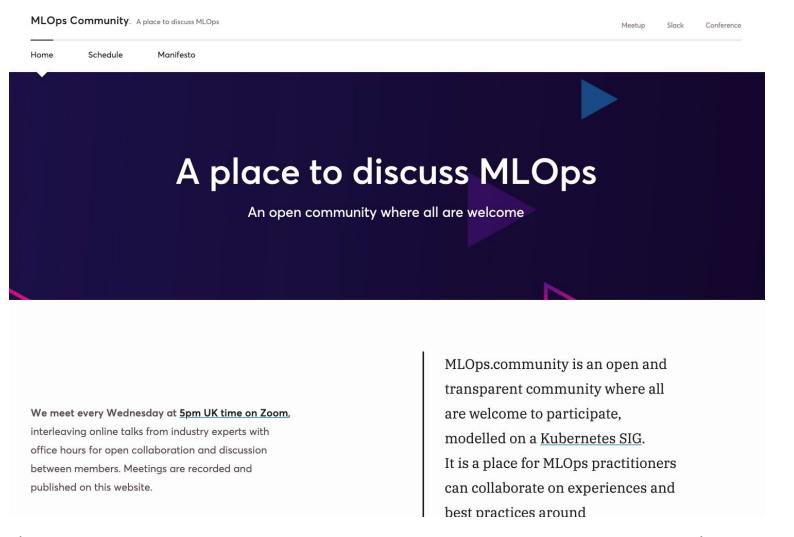
How MLOps fit in LF AI & Data Scope

ABOUT LF AI & Data

LF AI & Data is an umbrella foundation of the Linux Foundation that supports open source innovation in artificial intelligence, machine learning, deep learning, and data. LF AI & Data was created to support open source AI, ML, DL and Data, and to create a sustainable open source AI ecosystem that makes it easy to create AI and Data products and services using open source technologies. We foster collaboration under a neutral environment with an open governance in support of the harmonization and acceleration of open source technical projects.



Popular effort in MLOps





https://awesomeopensource.com/project/visenger/awesome-mlops

Proposal to Kick off MLOps Committee in LF AI & Data



Based on survey conducted with TAC members

- Provide exposure on different industrial approaches
- Gather current practices and create a template architecture that can be a base for organizations trying to adopt MLOps.
- What are the Open Source MLOps project? What are each one's pros and cons?
- Data centric MLOps approach
- Use Case based approach. Learn technology through a use case
- Current industry issues in getting models to production and how to tackle as a community?



MLOps Committee Proposed Focus Areas



Exposure on industrial approaches for managing ML models in production

Create template architecture for managing ML project lifecycle



Identify Projects and tools in MLOps Space

Get community
exposed to how
these MLOps tools
work together and
where to use in the
pipeline



Understand usage of MLOps tools and practices through industrial use cases (by domain)

Identify gaps in the use case implementation

Discuss solutions that can fill the gap



Take data centric
Approach in
managing ML
model
performance in
production

Learn tools and best practices on data centric approach



Provide
opportunity for
committee
members to to do
research together

Advocate about the work



TBD

- MLOps relationship to existing Committees
- MLOps relationship to existing Projects



Thank You

- Michael Tanenbaum
- Ludan Stoecklé
- Vishnu
- Adam Pocock
- DC Martin
- Sebastian Lehrig
- Nancy Rausch
- Meng Wei
- Yuan Liya

- Jim Spohrer
- Ibrahim Haddad



TAC Vote on MLOps Committee Proposal

Proposed Resolution:

The TAC approves establishing the MLOps Committee in LF AI & Data Foundation



Next Steps

The Governing Board will review the MLOps proposal and vote on approving the formation of the committee.

After a positive vote from the GB, LF AI & Data staff will work to establish the committee and launch its efforts.



Invited Presentation -GSI

Jaakerib@gsitechnology.com, tsahi.levy@gmail.com, ywechsler@gsitechnology.com

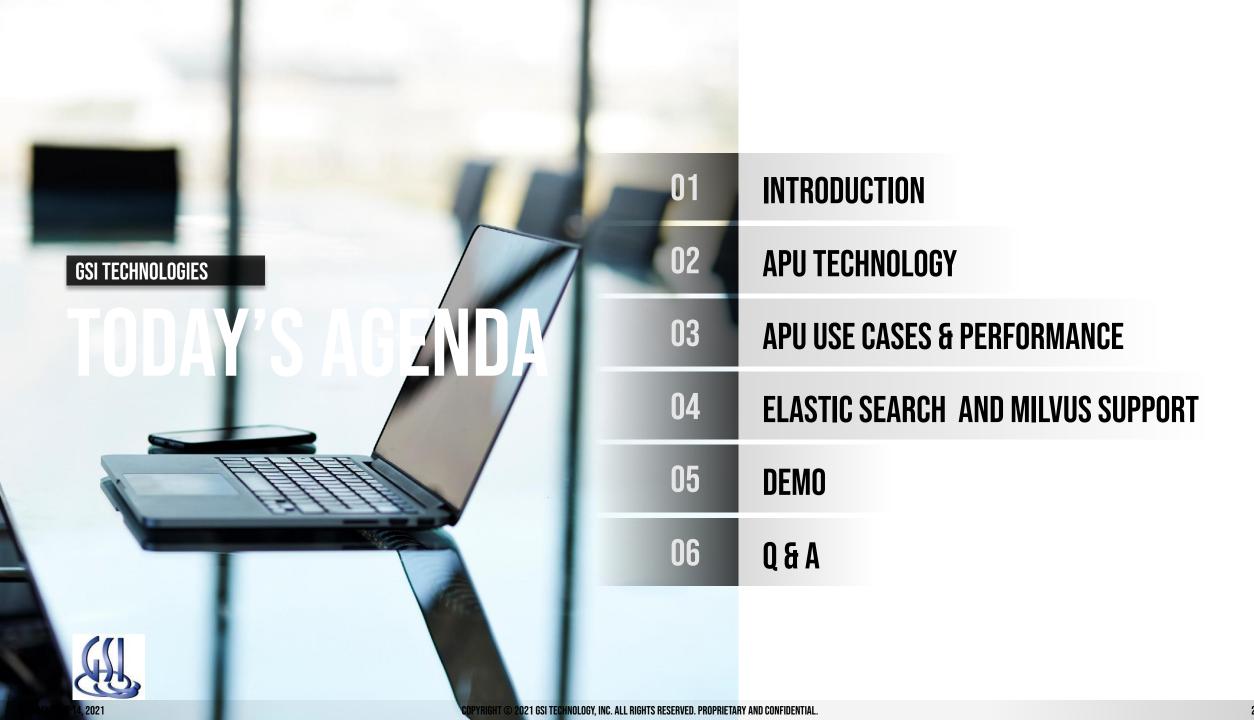
ILFAI & DATA



GSI Technologies

ASSOCIATIVE PROCESSOR FOR IN MEMORY ULTRA FAST - LOW LATENCY VECTOR SEARCH AND PARALLEL COMPUTING

JUNE 2021 - AVIDAN AKERIB VP ASSOCIATIVE COMPUTING BU, GSI TECHNOLOGY



LEADER IN SUPPLYING HIGH PERFORMANCE MEMORIES TO DEMANDING INDUSTRIES

SUCH AS AEROSPACE, DEFENSE AND HIGH-PERFORMANCE DATACENTERS.



PUBLIC COMPANY
Founded in 1995
Consistent profitability & zero debt,

~150 EMPLOYEES WORLDWIDE.

Design / R&D in Sunnyvale, CA & Israel (50 emp);

Operations and Manufacturing in Taiwan

HIGH PERFORMANCE ASSOCIATIVE COMPUTING

Developed the APU, Massively Parallel Processor for big data similarity search, based on Computational Memory technology.

Acquired MikaMonu and its Associative Computing IP in 2015.



GSI OFFERING

Genuine Patented GP Acceleration Hardware: Associative Processor Unit (APU)

APU UNIQUENESS

Ultra Fast Vectors Search

In Memory Computing with 2 Million Bit Line Processors

Compute by Content instead by Address

BEST FOR

- ☐ **HP-PC**(High Performance Parallel Computing Tasks)
- Big Data Vectors
 Search & Analytics
 Tasks
- AI KNN,Zero shot learning

ACCELERATING TIME AND SAVING MONEY

By the numbers

POWER-PERFORMANCE vs INTEL XEON/ NVIDIA V-100



X 100-1000

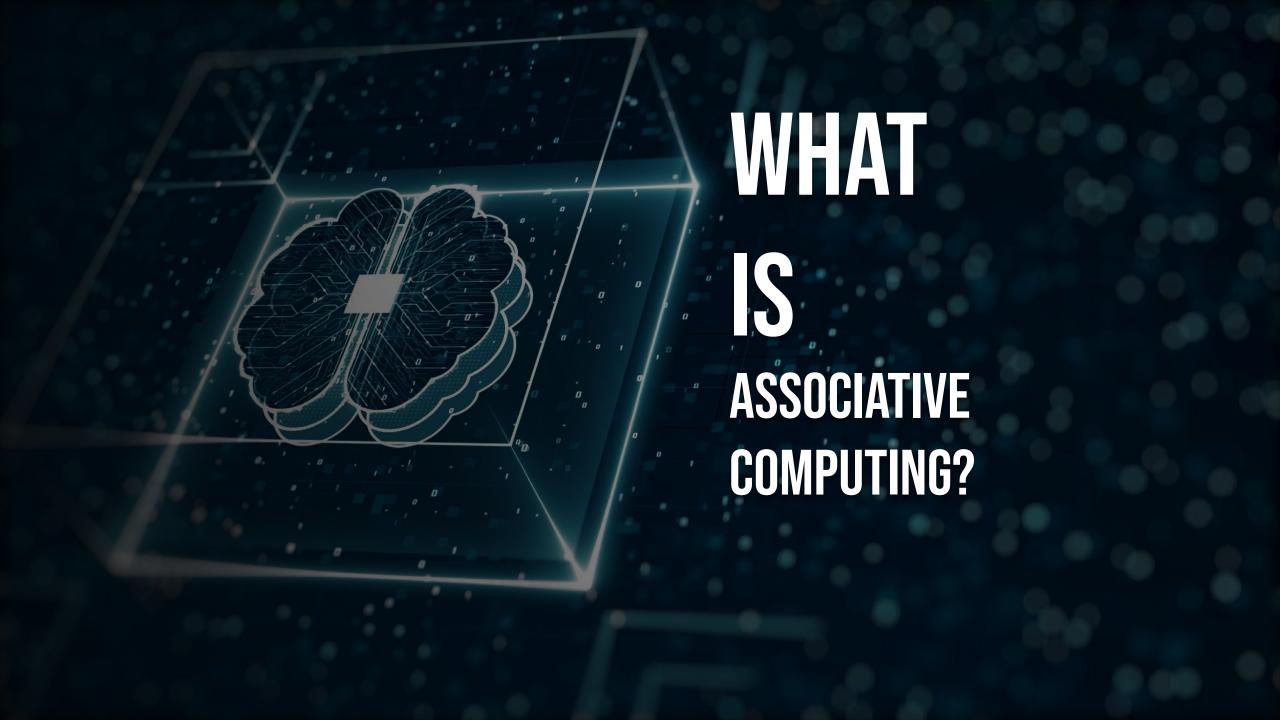
VECTOR SEARCH APPLICATIONS





X 10-100

HIGH PERFORMANCE COMPUTING



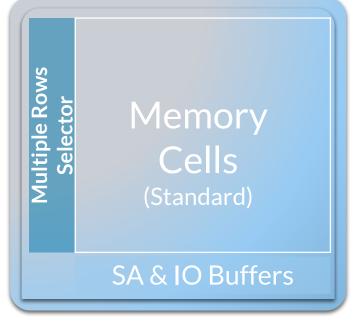
HOW DO WE DO IT?

WE CONVERT STANDARD MEMORY TO PARALLEL

CO-PROCECCOD

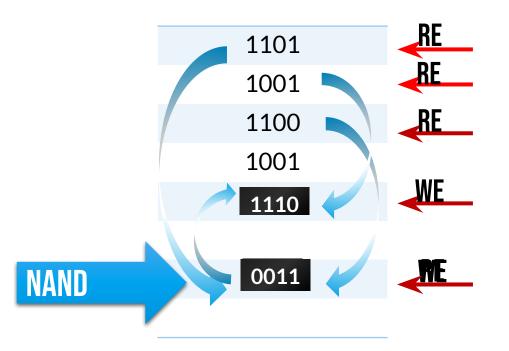
Memory Cells SA & IO Buffers





THROUGH SMART MODIFICATION OF THE ADDRESS

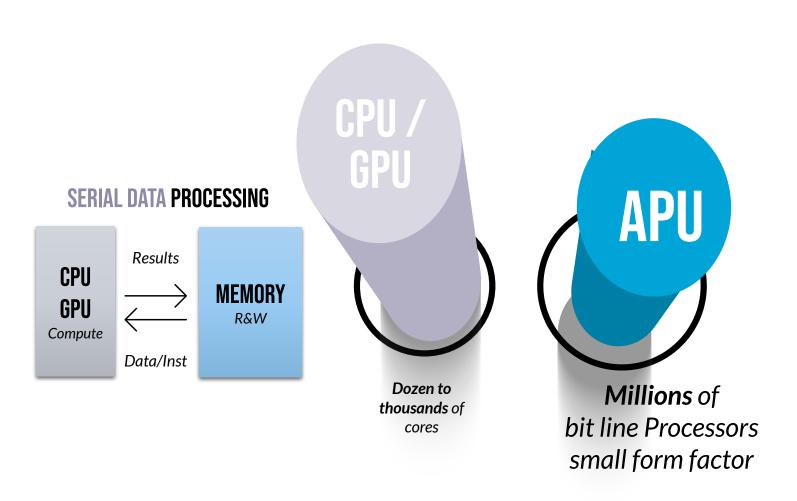
A NEW APPROACH ACCESSING MULTIPLE ROWS SIMULTANEOUSLY

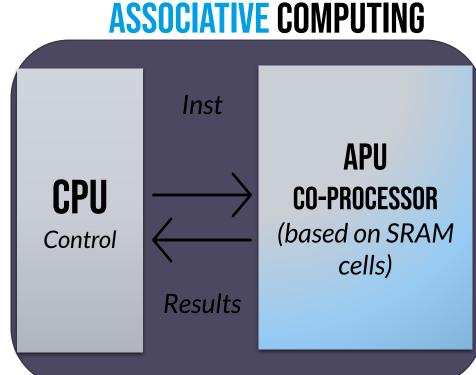


In-Memory NAND gate, satisfying De-Morgan's law

1 PETA BOOLEAN FUNCTION /SEC IN A SINGLE 50W CHIP

CHANGING THE CONCEPT OF COMPUTING





APU PILLARS



ULTIMATE PROCESSING POWER SOURCE FOR SIMILARITY SEARCH

Euclidean distance, inner product, Hamming distance, Jaccard distance, Tanimoto.,



SEAMLESS API FOR ANY SIMILARITY LIBRARY FOR FAST RETRIEVAL SUPPORT

FAISS, ANNOY, HNSWLIB and proven to be the best retrieval engine across various scenarios.



BEST OF BREED DESIGNED FOR MASSIVE DATA CENTERS

The APU chip is a very compact, low-power, high-speed



CLOUD >> **EDGE**>> **ON-PREMISE**

any kind of deployment of standard cards making it easy to manage similarity search



SEARCH AND MANAGE ANY VECTOR TYPE

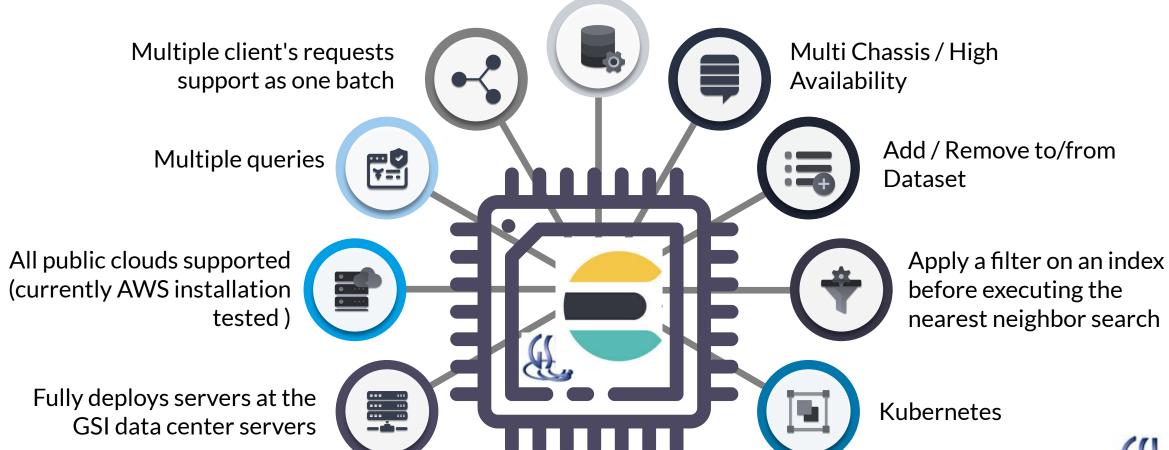
Any kind of data type APU supports any bitsize of any type





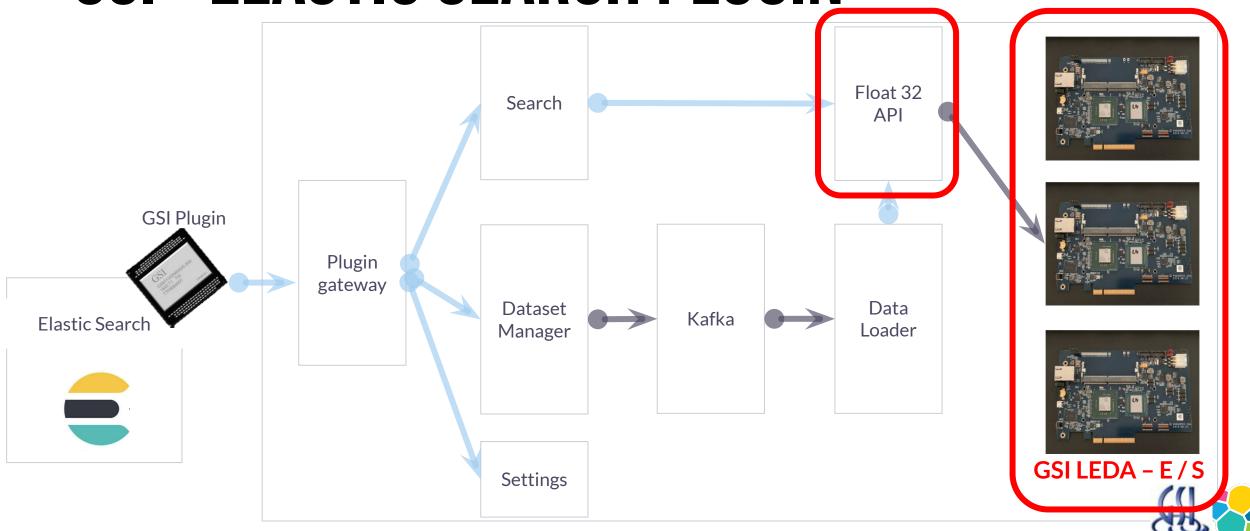
FEATURES

Multiple databases support

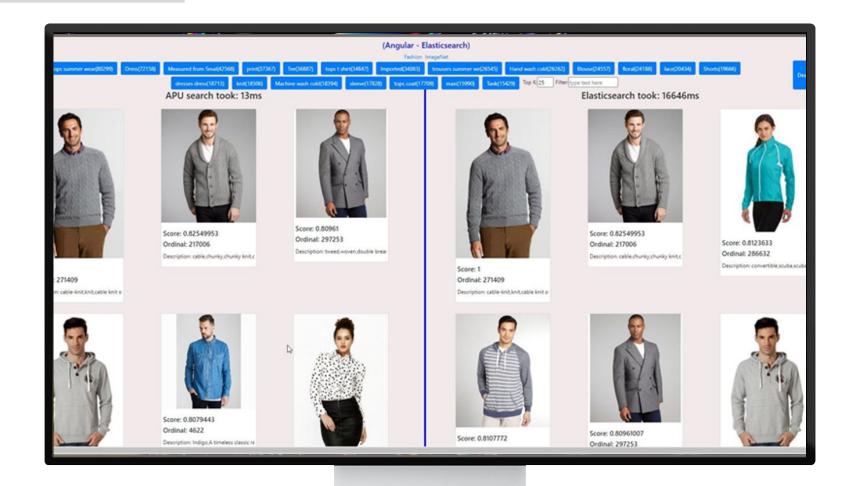




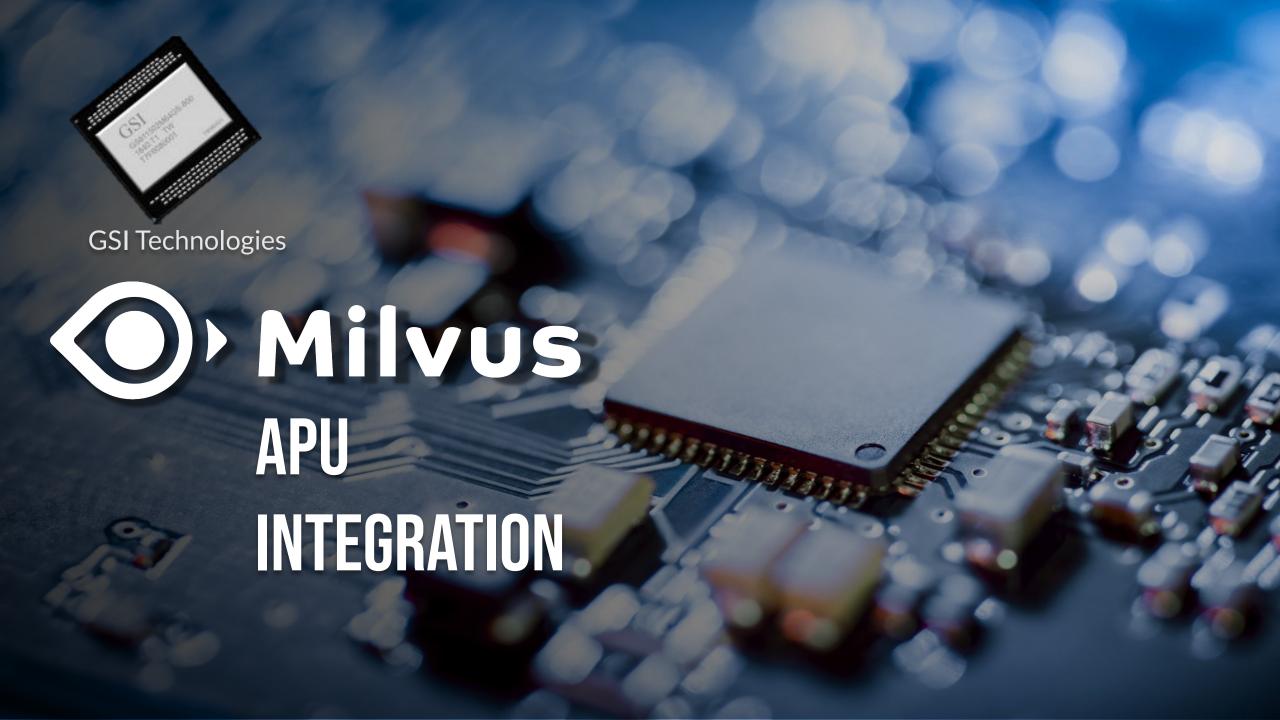
GSI - ELASTIC SEARCH PLUGIN



ELASTIC SEARCH DEMO







APU INTEGRATION

APU INTEGRATED INTO MILVUS AS ANOTHER RESOURCE IN ADDITION TO CPU AND GPU.



Support flat Tanimoto/Hamming binary search over APU.











USER TRIGGER A SEARCH REQUEST

Binary query

REQUEST SCHEDULER

Adding the request to a request queue.

MILVUS Search Job MILVUS TASK

Resource allocation using new APU pass

Assign GSI
Tanimoto/Hamming
index.

TANIMOTO/HAMMINSEARCH OVER APU

Load

Load a binary data set once when triggering the first search.

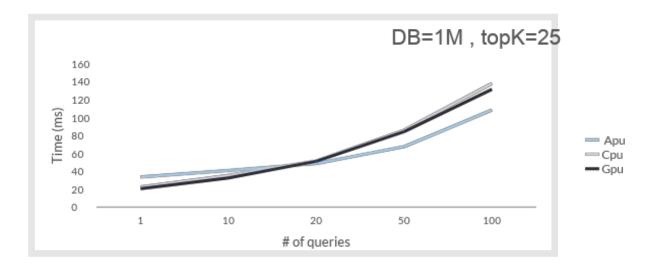
Initial GSL objects.

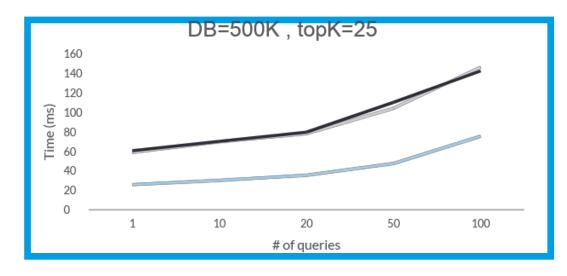
Support data set switch.

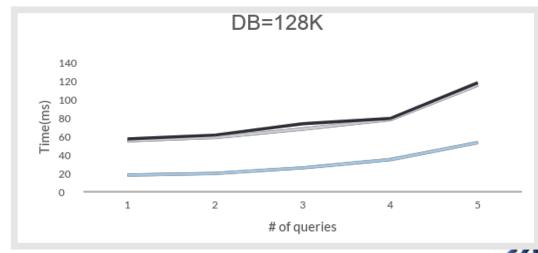
Execute

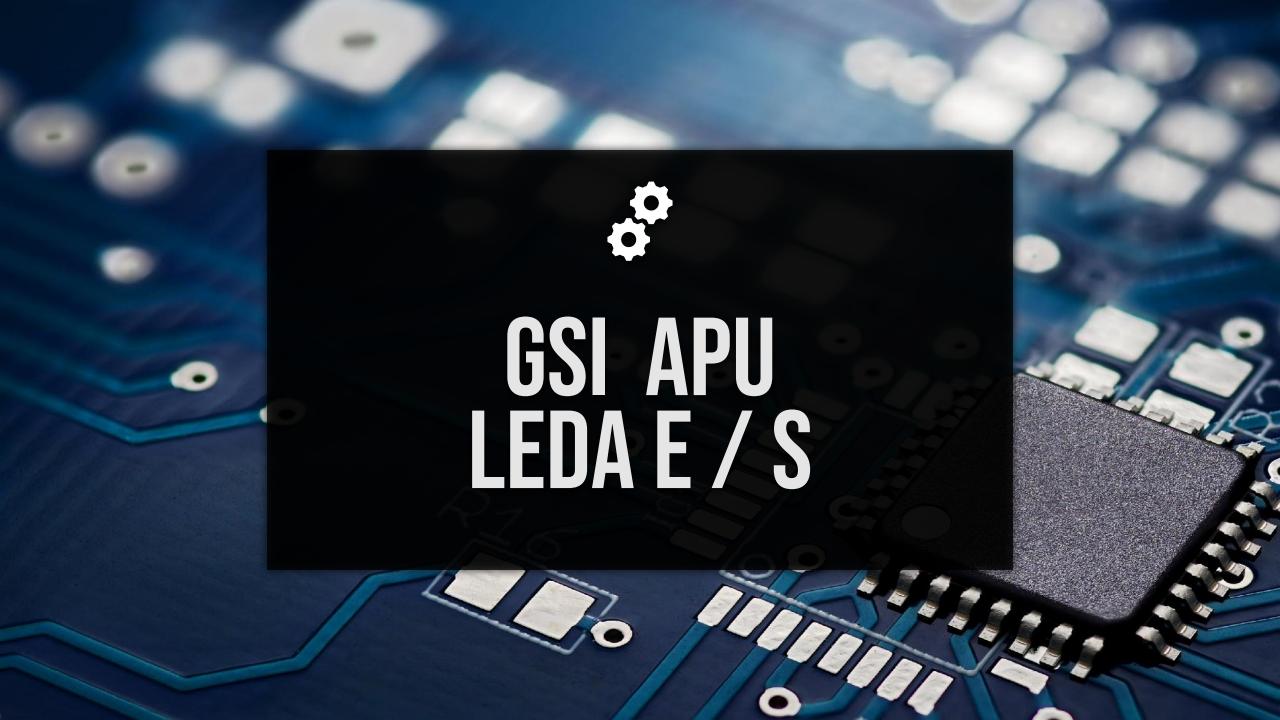
Execute a Hamming/Tanimoto flat search over APU.

SEARCH RESULTS









GSI CARDS: LEDA-E & LEDA-S

LEDA-S

The Gemini® APU is attached to GSI's LEDA-S

GSI LEDA-S is a SSD PCle Gen 2 x 4 board.

Width: 34mm

• Length: 273 mm

Thickness: 18 mm

Environment Specifications

• Operating temperature: 0° C to +45° C

• Storage temperature: -25° C to +60° C

Humidity: 10% to 90% non-condensing

Clock: target 500Mhz

Power: Up to 50Watt

Weight: 250g



LEDA-E

The Gemini® APU is attached to GSI's LEDA-E

GSI LEDA-E is a PCle Gen 3 x 8 board.

Width: 111.15mm

• Length: 265 mm

• Thickness: 1.8 mm

Environment Specifications

Operating temperature: 0°C to +45°C

• Storage temperature: -25° C to $+60^{\circ}$ C

Humidity: 10% to 90% non-condensing

Clock target: 500Mhz

Power: Up to 90Watt

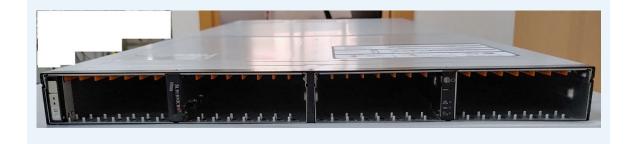
Weight: 400g



GSI SERVERS: LEDA-S & LEDA-E

LEDA-S SERVER

- 4 1U Rackmount
- 4 16 Hot-swap E1.L 18mm drive slots
 - 4 16 GSI LEDA-S Boards



LEDA-E SERVER

- 4 2U Rackmount
- 4 8 x PCle Gen 3 x 8 slots

4 8 x GSII FDA-F Roards





LF AI & Data - TAC Election Jacqueline Cardoso (LF)

TLFAI & DATA

TAC Chairperson Election

There is an opening for the **LF AI & Data Foundation TAC Chairperson**; the role will be effective through 2021. Eligible voting members are listed on the TAC wiki here. Please review the following election timeline:

- > Nomination period start: May 27th, nominations should include a short bio + statement of intent
- Nomination period end: June 3rd, 5pm ET
- > Voting period start: June 7th, LF to send slate of respective nominees and voting instructions to TAC Voting Members
- > Voting period end: June 14th, 5pm ET
- > Election winner to be announced: June 15th

Information about the role:

- General TAC and Chairperson details can be viewed within the LFAI & Data Charter under section 7 here A summary of the role:
- > Represent the TAC as a voting member on the Governing Board (will attend monthly meeting)
- Lead TAC agenda and meetings with coordination among the TAC representatives and broader community
- Attend sync meetings with LF AI & Data staff to discuss overall TAC activities and planning
- General representation of the TAC and the LF AI & Data technical community



LF Al & Data - Annual Project Reviews Jim Spohrer (TAC), John Mertic (LF)



Annual Review schedule

Date	Project	
April 6, 2021	Egeria	
April 6, 2021	OpenDS4all	
May 20, 2021	ONNX	
July 15, 2021	Acumos	
July 29, 2021	Angel	
July 29, 2021	Adlik	
Aug 26, 2021	EDL	
Aug 26, 2021	Sparklyr	
Sept 9, 2021	Marquez	
Sept 9, 2021	Milvus	
Sept 23, 2021	NNStreamer	
Sept 23, 2021	ForestFlow	
Oct 7, 2021	Ludwig	
Oct 7, 2021	Amundsen	

Oct 21, 2021	Al Fairness 360	
Oct 21, 2021	Al Explainability 360	
Oct 21, 2021	Adversarial Robustness Toolbox	
Nov 4, 2021	Horovod	
Nov 4, 2021	FEAST	
Nov 18, 2021	SOAJS	
Nov 18, 2021	Delta	
Dec 2, 2021	DataPractices.org	
Dec 2, 2021	JanusGraph	
Dec 16, 2021	Pyro	
Jan 6, 2021	Datashim	
Jan 6, 2022	Flyte	
Jan 20, 2022	RosaeNLG	
Jan 20, 2022	SubstraFramework	
	MLX	
	VulcanKompute	

Schedule: https://wiki.lfaidata.foundation/pages/editpage.action?pageId=43286684



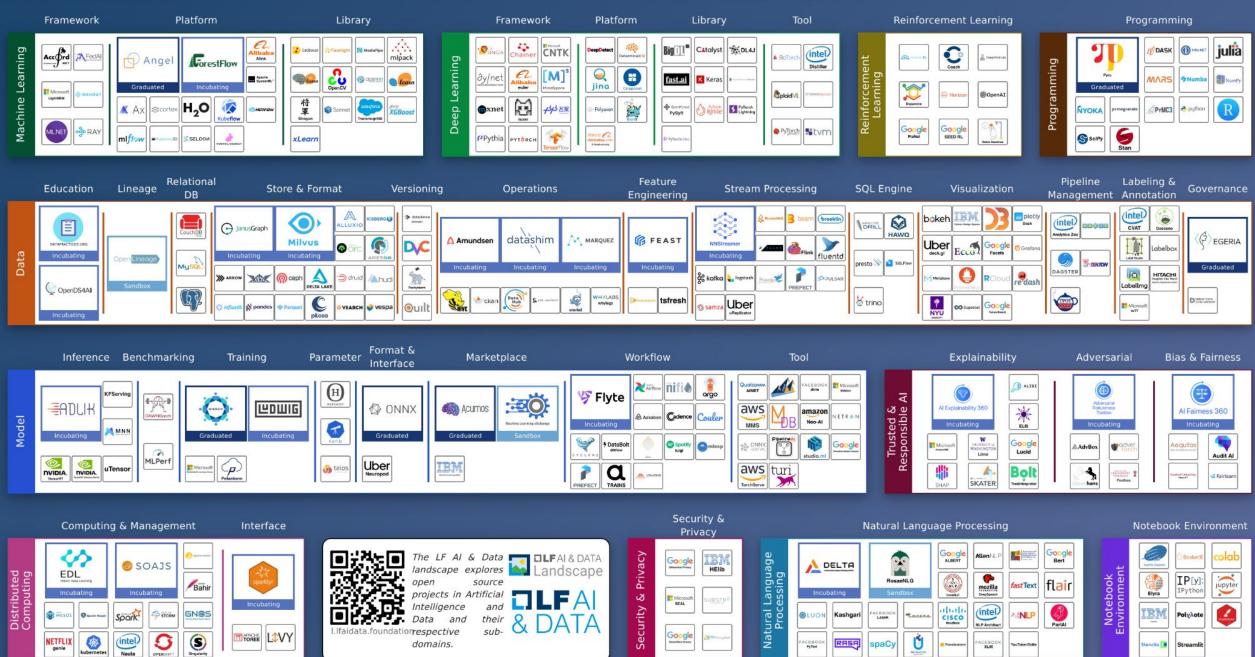
LF Al & Data - General Updates

ILFAI & DATA

Linux Foundation AI & Data Landscape 2021-05-31T06:16:56Z b4698f9

See the interactive landscape at I.Ifaidata.foundation







2020 TAC Meetings Summary

Jan Feb Mar	16: Milvus (Zilliz)*	13: MLOps Work (LF CD) 27: Collective Knowledge (Coral Reef)	12: NNStreamer (Samsung)* 26: ForestFlow (?)*
Apr	9: Trusted AI & ML Workflow (LF)	7: Ludwig (Uber)*	4: Trusted AI (AI for Good, Ambianic.ai, MAIEI)
May Jun s⊈	23: Open Data Hub (Red Hat)	21: SnapML (IBM)	18: Fairness, Explainability, Robustness (IBM)*
Jul Aug Sep	<i>16: Mindspore (Huawei)</i> 30: Amundsen (Lyft)*	16: Delta (Didi) 16: Horovod (Uber/LF)** 30: ModelDB (?) 30: Egeria, OpenDS4AII, BI&AI (LF ODPi)	10: SOAJS (HeronTech)* 10: Delta (Didi)* 24: FEAST (Gojek)* 24: Egeria, (LF ODPi)** 24: OpenDS4All (ODPi)* 24: BI&Al Committee (ODPi)
Oct Nov Dec	8: Fairness, Explainability, Robustness (LF) 22: OpenLineage (DataKins) 22: IDA (IBM/Salesforce)	5: DataPractices.Org (WorldData/LF)* 5: Kubeflow-On-Prem (Google,Arrikto/Intel) 19: OpenDS4All, DataPractices.Org, edX Ethical Al (LF)	3: TBD - JanusGraph (LF)* 3: TBD - RosaeGL (?) 17: TBD – Seldon Core (Seldon)* 17: TBD – Pyro (Uber/LF)**

(Entity)* = incubating vote

** bold = graduate vote

Italics = invited project presentation

2021 TAC Meetings Pipeline Summary

Jan Feb Mar	14: Datashim(IBM)* 28: Project Lifecycle Stages vote Invited talks Sedna & CIM	11: Invited talks Egeria CI & Mentorships 25: Flyte (Lyft) *	11: RosaeNLG () Sandbox Proposal Invited talk Elyra-Al (IBM) 25: Substra Framework (Substra)*
Apr May Jun Ju Aug Sep	8: Invited talk JINA AI 22: Egeria & OpenDS4All - project update	6: ML eXchange (MLX) (IBM) Sandbox Vulcan Kompute () Sandbox 20: OpenLineage (Datakin) Sandbox	3: KOSA.ai 17: GSI
	1: Canceled for holiday 15: TonY (Linkedin)	5: TBD - Project updates 19: TBD - Project updates	?: Open Data Hub (Red Hat) ? Ray (Anyscale.io) ?: Pachyderm (Pachyderm) ?: DataHub (LinkedIn) ?: Kubeflow-On-Prem (Google, Arrikto, Intel)
Oct Nov Dec	?: Vespa (Verizon Media)?: KubeflowServing (Google, Arrikto, Seldon)?: Kubeflow Pipeline (Google, Bloomberg)?: Common Knowledge (Code Reef)?: Couler (Ant Financial)	?: Snorkle (Snorkle) ?: Plotly (DASH) ?: Mellody (Substra) ?: mloperator (Polyaxen) ?: SnapML (IBM)	?: PMML/PFA (DMG.org) ?: Mindspore, Volcano (Huawei) ?: TransmorgrifAl (Salesforce) ?: AIMET (Qualcomm) ?: Elyra-Al (IBM)

(Entity)* = incubating vote

** bold = graduate vote

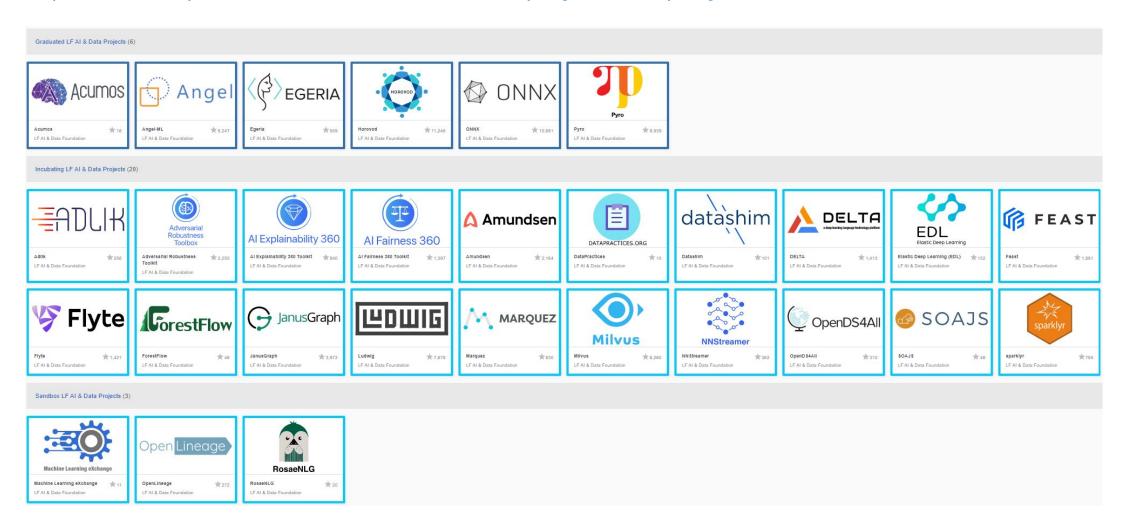
Italics = invited project presentation

Getting to know the projects more



Projects

https://landscape.lfai.foundation/card-mode?project=company



^{*} Missing Substra Framework (pending logo redesign)

New projects in 2021

- → Track incoming proposals via: https://github.com/lfai/proposing-projects
- 1. **Datashim:** Open source enablement and acceleration of data access for Kubernetes/Openshift workloads in a transparent and declarative way
- 2. **Flyte:** Production-grade, declarative, structured and highly scalable cloud-native workflow orchestration platform
- 3. **RosaeNLG:** Open source project, template-based Natural Language Generation (NLG) automating the production of relatively repetitive texts based on structured input data and textual templates, run by a NLG engine
- 4. **Substra Framework:** Low-layer framework, offering secure, traceable, distributed orchestration of machine learning tasks among partners.
- 5. ML exchange: Data and Al Assets Catalog and Execution Engine
- 6. Kompute: Blazing fast, mobile-enabled, asynchronous, and optimized for advanced GPU processing usecases.
- 7. **Open Lineage:** Open standard for metadata and lineage collection designed to instrument jobs as they are running



Active and growing developer community

Cumm. Jan 1- Dec 31, 2020 vs. Jan 1, 2020 to Apr 2, 2021

8.92K

Contributors

34.65K

PRs/Changesets

100.03K

Commits

22.54K

Total issues

358

Repositories

2.08K

Slack messages

+7.25%

+7.21%

+11.03%

+5.19%

+3.07%

+68.75%

9.61K

Contributors

37.15K

PRs/Changesets

111.07K

Commits

23.71K

Total issues

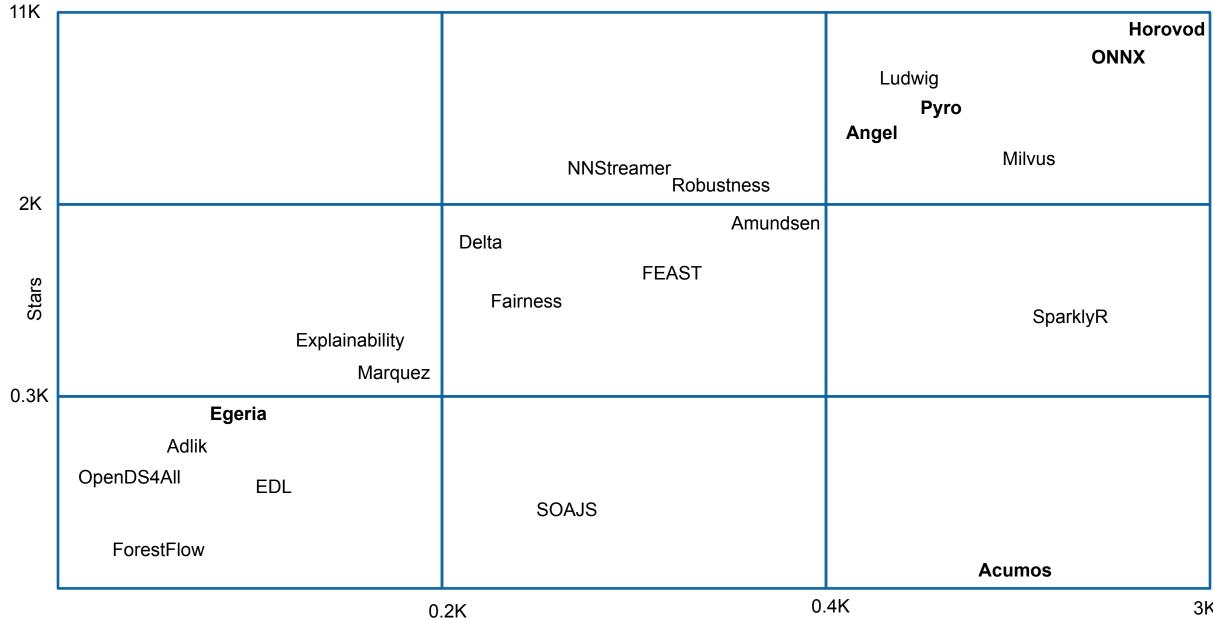
369

Repositories

3.51K

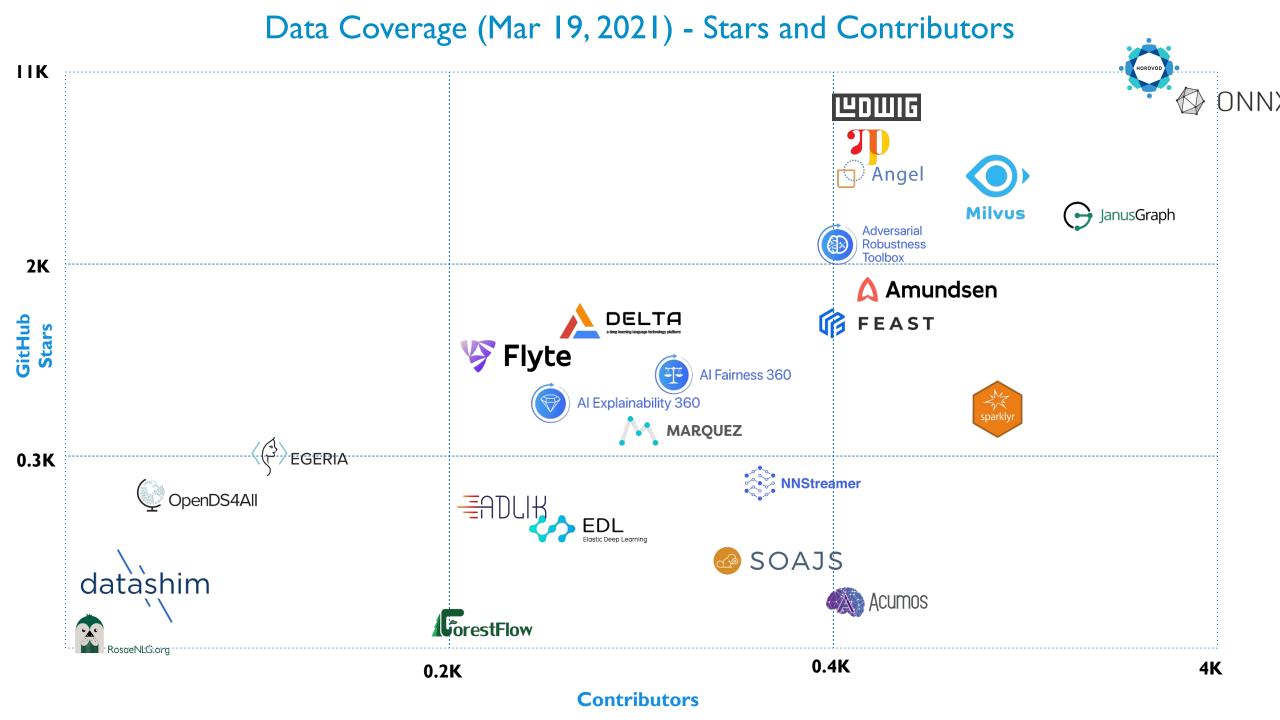
Slack messages

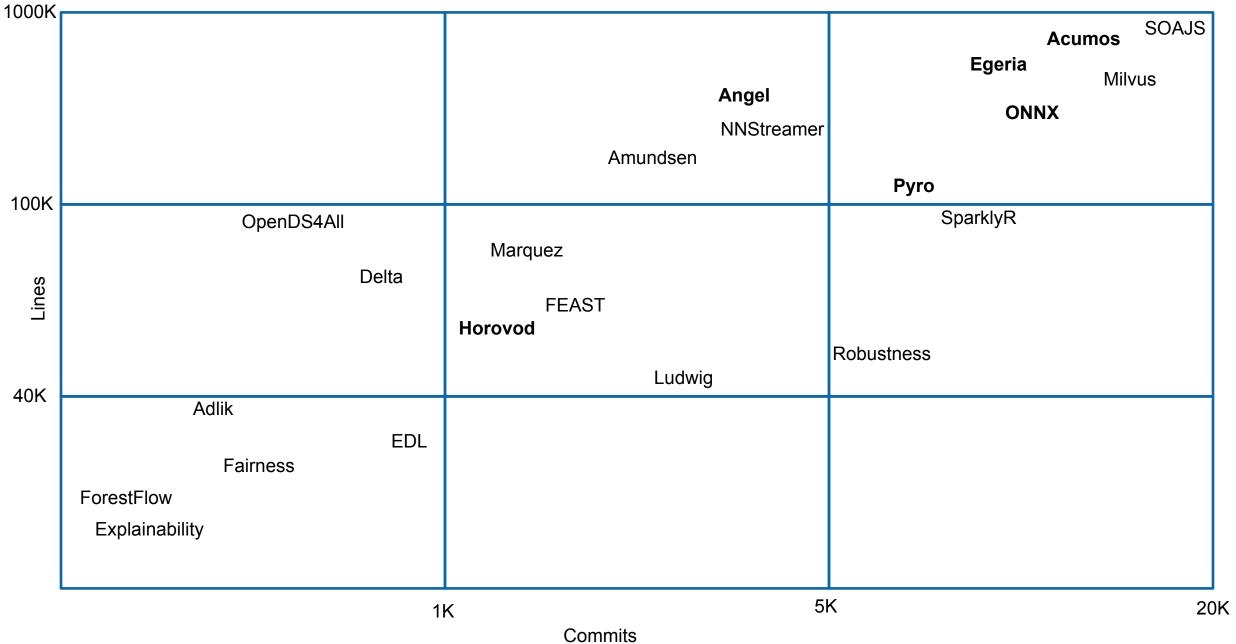




3K Contributors

59





Data Coverage (Mar 19, 2021) - Line of Code and Commits



Commits

Looking to host a project with LFAI & Data

- Hosted project stages and life cycle: https://lfaidata.foundation/project-stages-and-lifecycle/
- Offered services for hosted projects: https://lfaidata.foundation/services-for-projects/
- Contact: Jim Spohrer (TAC Chair) and Ibrahim Haddad (ED, LF AI & Data)

Promoting Upcoming Project Releases

We promote project releases via a blog post and on LFAI & Data Twitter and/or LinkedIn social channels

For links to details on upcoming releases for LFAI & Data hosted projects visit the Technical Project Releases wiki

If you are an LFAI & Data hosted project and would like LFAI & Data to promote your release, reach out to pr@lfai.foundation to coordinate in advance (min 2 wks) of your expected release date.



Note on quorum

As LF AI & Data is growing, we now have 18 voting members on the TAC.

TAC representative - please ensure you attend the bi-weekly calls or email Jacqueline/Ibrahim to designate an alternate representative when you can not make it.

We need to ensure quorum on the calls especially when we have items to vote on.



Updates from Outreach Committee

ILFAI & DATA

Upcoming Events

- Upcoming Events
 - > Visit the LF Al & Data Events Calendar or the LF Al & Data 2021 Events wiki for a list of all events
 - To participate visit the LFAI & Data 2021 Events wiki page or email info@lfaidata.foundation

> Please consider holding virtual events

To discuss participation, please email events@lfaidata.foundation



Upcoming Events

https://lfaidata.foundation/events/

- OSS Global (hybrid) Seattle, WA, USA Sept 27-30 Event Website
 - a. Mini-Summit, Booth, Track

LF AI PR/Comms

- Please follow LF AI & Data on <u>Twitter</u> & <u>LinkedIn</u> and help amplify news via your social networks - Please retweet and share!
 - > Also watch for news updates via the tac-general mail list
 - View recent announcement on the <u>LFAI & Data Blog</u>

Open call to publish project/committee updates or other relevant content on the LF AI & Data Blog

To discuss more details on participation or upcoming announcements, please email pr@lfaidata.foundation



Call to Participate in Ongoing Efforts

TLFAI & DATA

Trusted Al

Leadership:

Animesh Singh (IBM), Souad Ouali (Orange), and Jeff Cao (Tencent)

- Goal: Create policies, guidelines, tooling and use cases by industry
- Slack conversation channel: #trusted-ai-committee https://lfaifoundation.slack.com/archives/CPS6Q1E8G
- Github: https://github.com/lfai/trusted-ai
- Wiki: https://wiki.lfai.foundation/display/DL/Trusted+Al+Committee
- **Email lists:**https://lists.lfaidata.foundation/g/trustedai-committee/
- Next call: Monthly alternating times https://wiki.lfai.foundation/pages/viewpage.action?pageId=12091895

ML Workflow & Interop

- Leadership: Huang "Howard" Zhipeng (Huawei)
- > Goal:
 Define an MI Workflow and promote cre
 - Define an ML Workflow and promote cross project integration
- Slack conversation channel: #ml-workflow https://lfaifoundation.slack.com/archives/C011V9VSMQR
- Wiki: https://wiki.lfaidata.foundation/pages/viewpage.action?pageId=10518537
- **Email lists:**https://lists.lfaidata.foundation/g/mlworkflow-committee
- Next call: Monthly check calendar/slack https://wiki.lfai.foundation/pages/viewpage.action?pageId=18481242



BI & AI

- Leadership:
 - Cupid Chan (Index Analytics)
- Goal: Identify and share industry best practices that combine the speed of machine learning with human insights to create a new business intelligence and better strategic direction for your organization.
- Slack conversations channel:

#bi-ai-committee

https://lfaifoundation.slack.com/archives/C01EK5ND073

Github:

https://github.com/odpi/bi-ai

Wiki:

https://wiki.lfaidata.foundation/pages/viewpage.action?pageId=35160417

Email lists:

https://lists.lfaidata.foundation/g/biai-discussion

Next call: Monthly community call TBD



Ongoing effort to create Al Ethics Training

Initial developed course by the LF: Ethics in AI and Big Data - published on edX platform:

https://www.edx.org/course/ethics-in-ai-a nd-big-data

The goal is to build 2 more modules and package all 3 as a professional certificate a requirement for edX

To participate:

https://lists.lfaidata.foundation/g/ aiethics-training



Upcoming TAC Meetings



Upcoming TAC Meetings (Tentative)

- July 1: Canceled Holiday
- July 15: TonY (LinkedIn)
- Aug 5: TBD Annual project review
- Aug 19: TBD Annual project review

Please send agenda topic requests to tac-general@lists.lfaidata.foundation



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



Open Discussion

TLFAI & DATA

Mission

To build and support an open community and a growing ecosystem of open source Al, data and analytics projects, by accelerating innovation, enabling collaboration and the creation of new opportunities for all the members of the community



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