

PyTorch Ecosystem Working Group Update

PyTorch Conference North America 2026

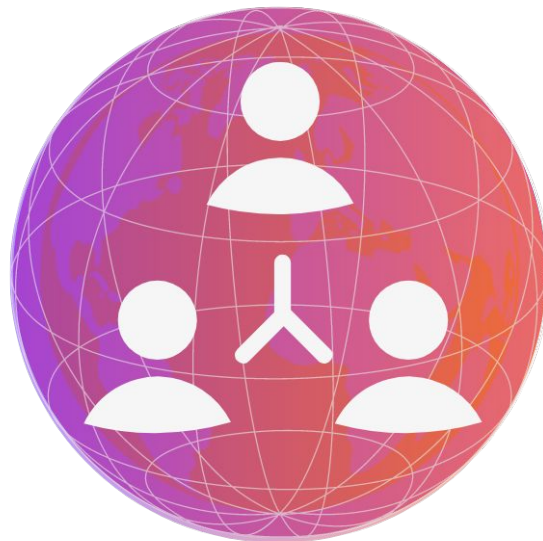


About the PyTorch Foundation

A large, faint, light purple watermark of the PyTorch logo is visible on the right side of the slide. The logo consists of a stylized circular shape with a dot in the center, resembling a flame or a drop.

🔥 PyTorch Foundation Mission

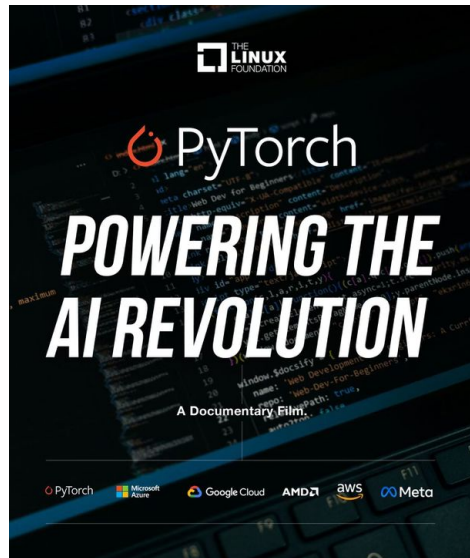
- The PyTorch Foundation is committed to **democratizing** and **accelerating** the widespread adoption of accessible, high-impact AI technologies by cultivating a robust ecosystem of **open-source**, **vendor-neutral** projects spanning the entire AI lifecycle —**empowering** researchers, developers, and organizations of all sizes to **innovate and deploy** AI solutions with confidence.



History of PyTorch

PyTorch, developed by Facebook's AI Research lab and released in 2017, evolved from the Lua-based Torch framework to provide a more flexible, Pythonic approach to deep learning with dynamic computation graphs. Initially favored by researchers, it rapidly gained traction in industry due to its intuitive design, robust ecosystem, and production-ready features. In 2022, PyTorch transitioned to the Linux Foundation's governance, solidifying its status as a leading open-source framework for AI development.

View the Official [PyTorch Documentary](#)



The neutral home for open source software used to build AI

The PyTorch community builds tools that train, adapt, optimize, and serve models on any chip, in any cloud, for any agent.

Any Model

From frontier releases served on day zero to the specialized models enterprises train on their own data.

Any Chip

Accelerator vendors build their PyTorch and vLLM support in the open: the path to market for new silicon runs through this community.

Any Cloud

Open source runs where you run: hyperscalers, neoclouds, AI-native platforms, on-premises, and sovereign infrastructure. No lock-in.

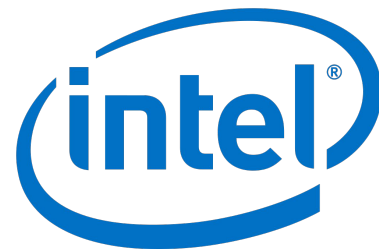
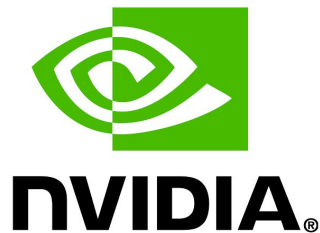
Any Agent

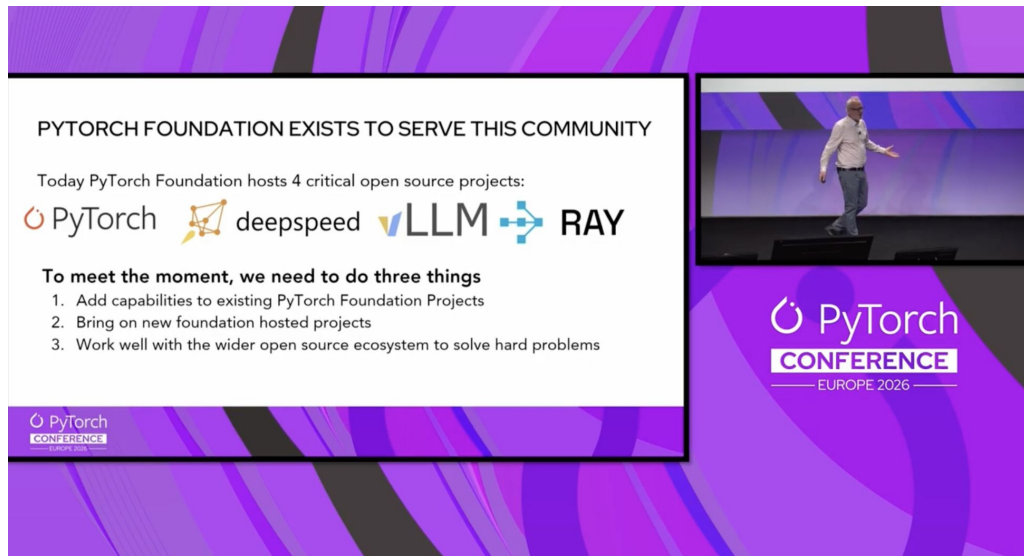
Every agent action is a model call. The software that trains and serves those models is built here, in the open.

Building the intelligence layer in the open:

The right intelligence, in the right context, on the right hardware, at the right cost.

🔌 PyTorch Hardware Ecosystem





In 2026, Mark Collier joined the PyTorch Foundation as Executive Director

Members grew from 33 to 49

16 organizations joined the Landscape as PyTorch Foundation members.

49 member organizations
+16 this year

14

28.6%
PLATINUM

5

10.2%
GOLD

9

18.4%
SILVER

21

42.9%
ASSOCIATE

New this year

Alibaba Cloud

Ant Group

Cambricon

Clockwork.io

CommonAI C.I.C.

Emmi AI

Lablup Inc

LightSeek Foundation

Messiah University

NIPA

Nota Inc.

SKOPOS INDIA FOUNDATION

Shopify

Siksha 'O' Anusandhan

Valencia College

Yasp.ai

Repositories behind the Landscape

81

REPOSITORIES

37.9k

CONTRIBUTORS

1.1M

GITHUB STARS

1.5GB

SOURCE CODE

Landscape site statistics as of 2026-10-18.

Governance at a Glance



PyTorch Foundation Governance

The PyTorch Foundation maintains separation of foundation and technical governance to preserve project independence.

Foundation Governance

*Thought Leadership, Budget management,
Strategic direction, Marketing & Outreach*

Governing Board

Committees

Conference
Planning

Conference
Program

Marketing

Technical Coordination

*Technical Oversight, CI Management,
and Project Coordination*

Technical Advisory Council

Working Groups

CI Infra

Ecosystem

Security

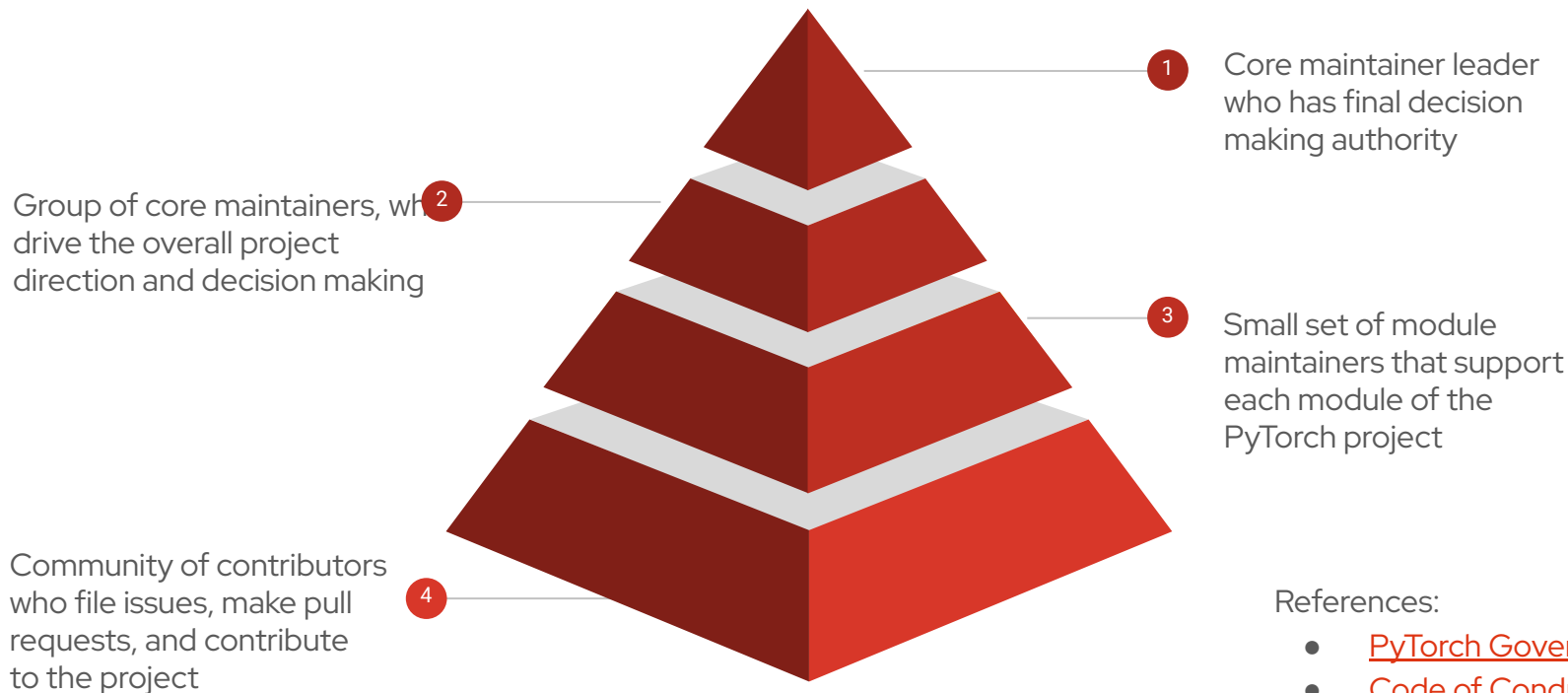
Multi-Cloud

OSPO &
Academic

Accelerator-
Integration

PyTorch Project Governance

The PyTorch Project has a hierarchical governance structure.



References:

- [PyTorch Governance](#)
- [Code of Conduct](#)



Technical Advisory Council

About

The PyTorch Technical Advisory Council (TAC) serves as the technical governing body for the PyTorch Foundation. It oversees open source standards, best practices, curriculum, and the technical vision of the foundation. The TAC's outputs are committed to an open source ecosystem, contributing to the establishment of standardized best practices.

Composition

- Meetings of the TAC are public and open to all.
- Platinum members and Foundation-Hosted projects get a voting seat on the TAC.

Join the Meetings

Monthly on the 2nd Tuesday of every month at 10am ET / 7am PT.

[View the calendar & join the meetings.](#)

Want to participate? Email support@pytorch.org

Foundation Hosted Projects





PyTorch

The premier open source machine learning and deep learning framework used primarily to build, train, and deploy artificial intelligence models.

PyTorch has been a primary driver in the creation of economic value in within the AI ecosystem.



Model Optimization

Safetensors

A fast and simple format for safely storing weight tensors.

1. Improves safety by helping to limit supply chain risk.
2. Reduces infrastructure and compute overhead costs.
3. Standardizes the distribution of weights.

Helion

A high-level, Python-embedded DSL for writing machine learning kernels.

1. Increases the efficiency of writing portable high-performance kernels.
2. Reduces the cost of computation through direct compute and memory optimizations.
3. Helps to eliminate code duplication and cross-cloud redundancy.

🔥 Training and Inference at Scale



A unified framework for scaling AI and Python applications.

1. Maximizes infrastructure efficiency by significantly improving GPU and CPU utilization.
2. Shifts the architectural burden of building distributed systems from developers to the framework, speeding up product deployment timelines.



A deep learning optimization library that makes distributed training and inference easy, efficient, and effective.

1. Addresses the "GPU memory wall" through advanced memory management.
2. Cuts training costs through a combination of optimizations like 3D parallelism, custom mixed-precision kernels, and communication compression, maximizing data throughput and accelerating convergence.

Accelerated Inference at Scale



An open source, high-throughput, and memory-efficient large language model (LLM) inference and serving engine

1. Significant inference cost reductions through optimizations like PagedAttention, KV Caching, and multi-token prediction.
2. Massive concurrency and scaling using techniques like continuous batching.
3. Standardized API covering common coding and chat applications.

The Pytorch Landscape

A large, faint, light purple watermark of the PyTorch logo is visible on the right side of the slide. The logo consists of a stylized 'P' formed by two concentric arcs and a small circle at the top right.



Landscape Overview

The PyTorch Landscape is an interactive map of the PyTorch ecosystem, covering the open source projects, companies, and organizations that build on and around PyTorch.

Filters

GROUP:

PyTorch Ecosystem

Members

VIEW MODE:

Grid

Card

ZOOM:

-

+

Modeling

Computer Vision



Language



Specialized



Medical & Biology



AI for Science and Engineering



Multimodal



Training

General



Reinforcement Learning



Probabilistic & Optimization



Privacy



Distributed



Optimizations

General



PyTorch Project Landscape - Modeling

Modeling	Computer Vision  	Multimodal  
	    	 
	Specialized  	Adversarial & Robustness  
	    	
	AI for Science and Engineering 	Quantum  
	  	
	Language  	Reinforcement Learning  
	  	
	Medical & Biology  	
	  	

PyTorch Project Landscape - Training

Training

General

PyTorch

FOUNDATION HOSTED

Colossal-AI

PyTorch Ignite

Miles

SKORCH

torchdistill

TorchData

Torch

TorchSurf

unsloth

Opacus

Probabilistic & Optimization

BoTorch

GPyTorch

OPTUNA

Distributed

Kubeflow

verl

Reinforcement Learning

RLInf

Privacy

Federated Learning

Graph

PyG

Multimodal

PyKale

PyTorch Project Landscape - Optimizations

Optimizations

General

LLM

einops

ivy

Transformers

LitServe

LMCache

Mooncake

Intel® Neural Compressor

Perforated

TensorDict

TokenSpeed

torchao

SGL

VisualTorch

FOUNDATION HOSTED

ZEUS

MLOps

Safetensors

Accelerate

CLEAR ML

FEAST

HYDRA

FOUNDATION HOSTED

Compilers & Runtimes

Helion

FlagGems

PyTorch + Triton

ONNX RUNTIME

TensorRT

PyTorch/XLA

FOUNDATION HOSTED

Distributed

deepspeed

FOUNDATION HOSTED

RAY

FOUNDATION HOSTED

PyTorch Landscape Projects

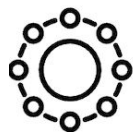


ARealL

 **Transformers**



Kubetorch



Mooncake



NVIDIA
PhysicsNeMo



FiftyOne

Miles



ONNX
RUNTIME



RLinf



TorchJD



unsloth



Perforated



TorchSurv

TokenSpeed



VisualTorch



26 new landscape projects in 2026, 84 active projects (as of October 2026)

Ecosystem Working Group





Ecosystem Working Group

The Ecosystem Working Group recognizes open, community-driven projects that sit outside the PyTorch Foundation but strengthen the PyTorch community. These projects complement PyTorch technology and are showcased on the [PyTorch Landscape](#).

What the Working Group does

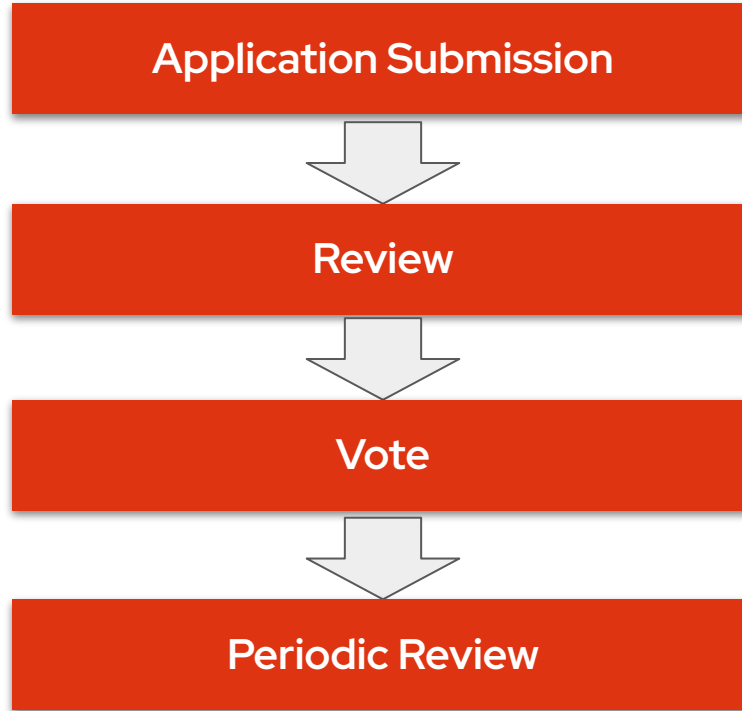
- Maintains the process for accepting Ecosystem projects
- Reviews and approves newly proposed projects
- Curates and promotes Ecosystem projects within the PyTorch Landscape

Who can participate

- Anyone in the PyTorch community with PyTorch experience
- Meets monthly - [view calendar](#).
- Public Slack channel: [#pytorch-ecosystem-wg](#)

Want to participate? Email support@pytorch.org

🔄 Ecosystem Project Lifecycle



84

active projects, including 3
accepted and being added to the
PyTorch Landscape

Active at start of year	98
Archived or retired	-40
New projects	+26
Returned from archive	+1
Active today	84

🕒 This year compared with last year

The Working Group reached 30 application decisions this year, against 27 the year before.

	Prior year Oct 2024 – Oct 2025	This year Oct 2025 – Oct 2026	Change
Active projects at year end †	98	84	-14
New projects added †	11	26	+15
Projects archived or retired	34	40	+6
Applications received	29	28	-1
Decisions made	27	30	+3
Share of decisions that were accepted	48%	73%	
Median days to acceptance	54 days	34 days	
Member organizations at year end	33	49	+16
Landscape pull requests opened	55	99	+44

Applications opened in January 2025, so the prior year covers fewer than twelve months of review. The 116 projects loaded at launch are not counted as new.

† Includes 3 accepted projects being added to the Landscape (81 are listed today).

🕒 40 projects archived or retired

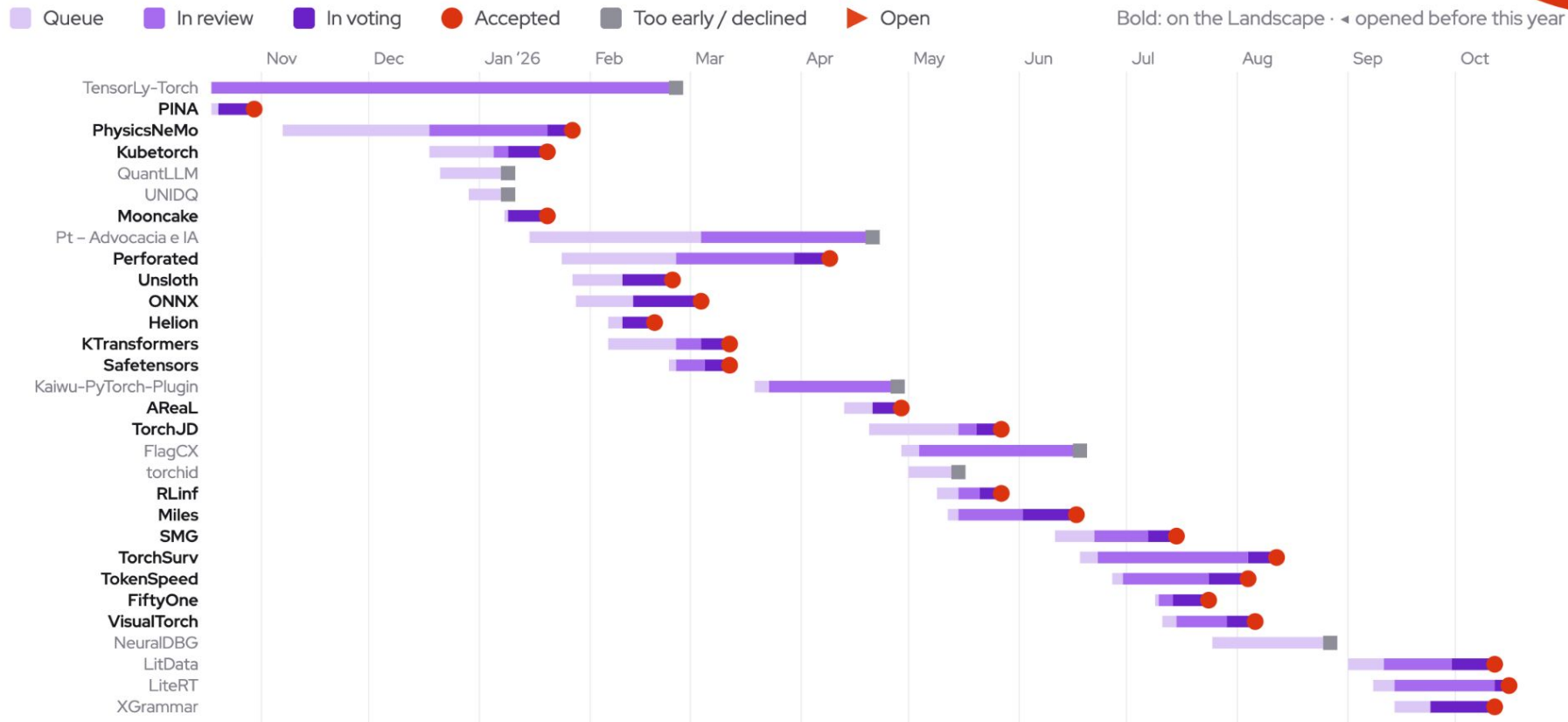
Archived projects no longer appear on the Landscape; their entries are kept in the repository.

Albumentations	Ensemble-Pytorch	OpenMMLab	Renate
avalanche	FairScale	Pomegranate	SimulAI
baal	Flair	PopTorch	Substra
Clinica DL	FuseMedML	PyPose	torcharrow
composer	GaNDLF	Pyro	Torchopt
Depyf	Horovod	PySyft	TorchQuantum
Detectron2	joeynmt	PyTorch Geometric Temporal	TorchServe
Determined	ludwig	PyTorch Metric Learning	torchtext
DGL	MMF	PyTorch3D	torch tune
docTR	OctoML Profiler	raster-vision	USB

Archived entries are commented out of the Landscape file, and a full backup is kept in the repository. torchdistill was archived and later restored, so it is not listed.

Every application, from submission to decision

Accepted projects spent about 12 days in the queue, 12 in review and 10 in voting, on average.



Working Group activity in the application tracker

Every application is reviewed in the open, on GitHub issues.

292

comments

366

label changes

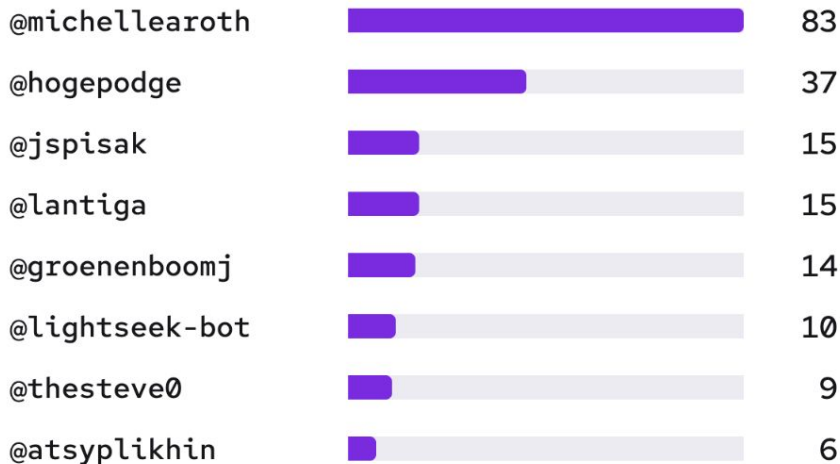
39

issues opened

55

participants

Most comments



🔄 26 new projects joined the Ecosystem

23 are on the Landscape; 3 more were accepted in October and are being added.

Optimizations 10

Feast	Nov 3
LMCache	Nov 3
Kubetorch	Jan 25
Mooncake	Jan 25
ONNX	Mar 10
KTransformers	Mar 18
Perforated	Apr 13
TokenSpeed	Aug 5
VisualTorch	Aug 12
SMG	Aug 26

Training 6

Unsloth	Mar 4
AReal	May 3
RLinf	Jun 17
TorchJD	Jun 17
Miles	Jul 2
TorchSurv	Aug 28

Modeling 5

DeepInverse	Oct 22
NeuralOperator	Nov 4
PINA	Nov 18
PhysicsNeMo	Feb 11
FiftyOne	Aug 13

Foundation projects 2

Helion	Mar 5
Safetensors	Apr 7

Accepted, joining the Landscape

XGrammar Oct 12

LitData Oct 12

LiteRT Oct 16

Using the PyTorch marks: quick reference

Ecosystem projects may

Refer to the project as a PyTorch Ecosystem project.

Ecosystem Process

Display the PyTorch logo on the project's code repository, subject to the trademark usage guidelines.

Ecosystem Process

Make true, factual statements about their relationship to PyTorch.

Linux Foundation policy (fair use)

The guidelines ask projects not to

Use the PyTorch name and marks for anything other than accurately referencing the PyTorch Foundation or its software projects.

Brand Guidelines

State or imply that the owner produces, endorses or supports their products, or call them certified.

Linux Foundation policy

Alter, recolor or combine the logo with other marks, or use it in a product name, company logo or domain name.

Linux Foundation policy

Always

Include the attribution: "PyTorch, the PyTorch logo and any related marks are trademarks of The Linux Foundation."

Brand Guidelines

Remove references to Ecosystem membership if a project is retired from the Ecosystem.

Ecosystem Process

Read more

linuxfoundation.org/trademark-usage
pytorch.org, About → Brand Guidelines

© Trademark usage

Please celebrate being part of the PyTorch Ecosystem, and describe your participation accurately.

Two ways to belong

Hosted by the Foundation

Projects the PyTorch Foundation hosts.

PyTorch

vLLM

DeepSpeed

Ray

Helion

Safetensors

PyTorch Ecosystem

Open, community-driven projects that sit outside the Foundation and strengthen the PyTorch community.

Independent, and part of the community

Say it with pride

- ✓ “[Project] is a PyTorch Ecosystem project”
- ✓ “Part of the PyTorch Ecosystem”
- ✓ “Listed on the PyTorch Landscape”
- ✓ Show the PyTorch logo on your repository, per the guidelines

Please avoid

- ✗ ~~“Official PyTorch project”~~
- ✗ ~~“PyTorch Foundation project” or “Foundation-hosted”~~
- ✗ Implying PyTorch endorses or certifies your project
- ✗ Altering the logo, or using it in your own name or domain

Include with PyTorch marks: “PyTorch, the PyTorch logo and any related marks are trademarks of The Linux Foundation.” · Full policy: linuxfoundation.org/trademark-usage

Get Involved



Apply



PyTorch Foundation Resources

 [PyTorch.org](https://pytorch.org)

 [@PyTorch](https://github.com/pytorch)

 [PyTorch Community](https://pytorchcommunity.org)

 [PyTorch Discuss Forum](https://pytorch.org/discuss)

 [PyTorch Discord Server](https://pytorch.org/discord)

 [PyTorch Dev Forum](https://pytorch.org/dev_forum)

PyTorch on Social Media

 [@PyTorch](https://twitter.com/pytorch)

 [PyTorch](https://www.linkedin.com/company/pytorch)

 [PyTorch](https://www.facebook.com/pytorch)

 [WeChat](#)

Thank you



@PyTorch



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