

Fintech Open Source Foundation

An Introduction to FINOS The home for open source & open standards in Financial Services



What is FINOS?



Fintech Open Source Foundation

The Fintech Open Source Foundation (FINOS) is an **independent**, **non-profit membership organization** whose purpose is to **accelerate** collaboration and **innovation in financial services** through the adoption of Open Source software, standards and best practices.

FINOS is also the financial services project of the Linux Foundation, the largest shared technology investment in the world.

Oh, and in case you're wondering, it's pronounced fee·nowz



What do we do, at a glance?



The Fintech Open Source Foundation (FINOS) acts as an **independent**, **neutral**, **compliant steward** for transparently governed open source, open standards and specifications **relied & collaborated upon by the financial industry at large**.



Supported by over <u>65 member organizations</u>, we nurtured **2000+ contributors from financial institutions, big tech and fintech vendors** to mutualize resolution of **common, non-differentiating strategic challenges** in <u>50+ open projects</u>.



FINOS also runs an <u>Open Source Readiness Initiative</u> to help financial firms harvest the full business value of open source participation, in full regulatory compliance



FINOS hosts the **Open Source in Finance Forum**, the only **Open Source conference** solely focused on financial services and regulated industries.

BMO (A) CITI



GitHub

Goldman Sachs

J.P.Morgan

the value chain

MEMBERS

Value across

Morgan Stanley





UBS WELLINGTON MANAGEMENT

Gold

Platinum











































































































































FINOS Flagship Projects

DATA VISUALIZATION

PERSPECTIVE

 <u>Perspective</u> is an interactive visualization component for large, real-time datasets, used to build reports, dashboards and more, contributed by JP Morgan.



 Waltz allows you to visualize and define your organisation's technology landscape. Think of it like a structured Wiki for your architecture.

INTEROPERABILITY



 FDC3 is an open standard that enables plug-and-play interoperability on the financial desktop.

DATA MODELING

EGEND

 <u>Legend</u> is a data modeling platform and environment open sourced by Goldman Sachs



 The CDM is a standardised, machine-readable and machine-executable blueprint for financial products and the transaction lifecycle.

OPEN REGTECH

OPEN REG US LO

 LCR is a Morgan Stanley open sourced implementation of the US Liquidity Coverage Ratio.

merphir

Morphir is a multi-language system built on a data format that captures an application's domain model and business logic in a technology agnostic manner

CLOUD AND OSS ENABLEMENT



COMPLIANT FINANCIAL INFRASTRUCTURE

The <u>Compliant Financial</u>
<u>Infrastructure</u> project is following an open, code-first, collaborative process to mutualize - among FIs and vendors - the cost of cloud control interpretation and implementation.



OPEN SOURCE READINESS

The Open Source Readiness SIGe is the engine that produces industry-wide accepted best practices for financial institutions to accelerate their open source programs...

See the full FINOS Landscape

landscape.finos.org

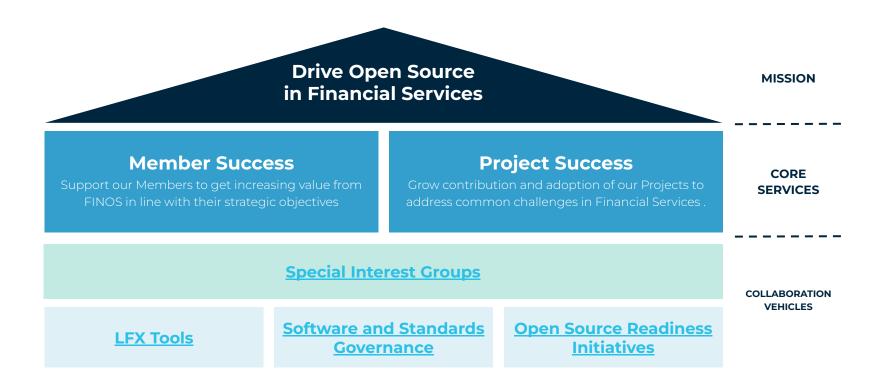


Contribute: github.com/finos

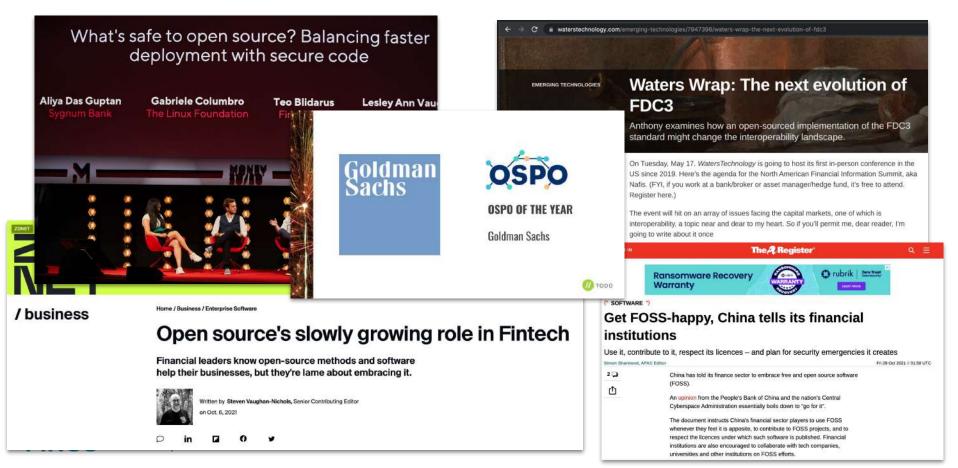
This is a PIVOTAL time for open source in Financial Services.

And if your firm is not engaging yet, you should really do more in the space or risk being left behind.

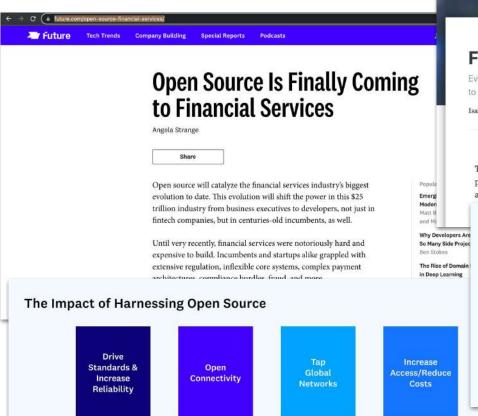
How FINOS Enables Open Source in Financial Services



...and sending shockwaves throughout the industry!



Now even Fintechs & VCs are waking up...



Fintech and Open Source

FINTECHNA Home Events Authors * Topics * Press Releases

Even though banking "as a service" continues to solve many problems, our banking infrastructure needs to be further evolved, and open source will drive the next generation of infrastructure.

Isabella Ferreira • June 2, 2022

fintechna.com/articles/fintech-and-open-source/

The regulatory framework that financial services must comply with, complex payment architectures, and fraud are some of the reasons why financial services are difficult and expensive to build [1]. Banking as a service was created to address Sharing Options:

in Share

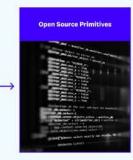
Search

Related:

The Evolution of Financial Services Building Blocks







...and Buy-Sides are joining the party...

Why are buy-side firms embracing open source collaboration?



Point72, a global asset manager which invests in multiple strategies and asset classes, was the first buy-side firm to join FINOS earlier in 2022.

They join FINOS to improve their OSS posture including:

- Open Source Readiness
- Innersource
- Influence on FSI standards

Strategic Value

Business Org Value

> Tech Org Value

WELLINGTON MANAGEMENT®

May 2022: One of the world's largest independent investment management firms, Wellington joins FINOS as a Platinum member.

Wellington's Co-Head, Technology, Madeleine Dassule joins the FINOS board of directors.

Leveraging the power of open source technology through projects contributed to FINOS, like <u>FDC3</u> and <u>Legend</u>, buy-side institutions enable direct connectivity with their counterparts and reduce vendor lock-in.

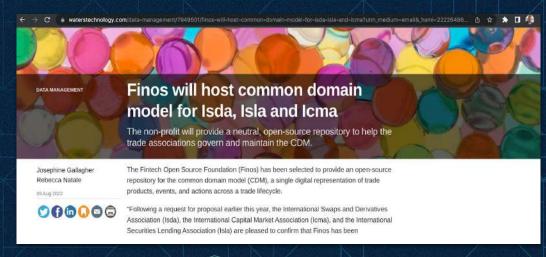
Open Source is now widely recognized safe and compliant collaboration model that enables not only IT innovation but addressing long standing industry-wide challenges



Fintech Open Source Foundation

...even industry consortia are betting on OSS!





Fintech Open Source Foundation (FINOS),
Hyperledger Foundation and The Digital Dollar
Project (DDP) are joining forces to create an open
community dedicated to experimentation,
information sharing, and discussion around CBDCs,
ensuring that central banks that decide to embark
upon researching or deploying CBDCs are doing so
with the best available secure technology.

The Fintech Open Source Foundation (Finos) has been selected to provide an open-source repository for the common domain model (CDM), a single digital representation of trade products, events, and actions across a trade lifecycle.

C-Suite Value

MATURITY

SOURCE

OPEN

Business Org Value

> Tech Org Value

to become technology companies influence de-facto industry standards, APIs, SDKs

competitive technologies through open source

Open Source and banking as a platform

Open Source and Supply chain security

Open Source goes beyond just code:

Fast & efficient response to client demands (e.g., buy-side <-> sell side. vendor <-> end user)

Concrete and transparent collaboration with regulators

Fast iteration with peers on pan-industry challenges

















Recruit & Retain

Increase Efficiency

De-Risk











The Washington Post Democracy Dies in Darkness

Subscribe

Subscribe to Tech@FTC Blog updates

Upcoming FTC Tech Events

Open Source is now a CIO CEO level concern...

Exclusive: Senate panel leaders push legislation to tackle issues raised by the sweeping log4j vulnerability



Cyber Resilience Act

The proposal for a regulation on cybersecurity requirements for products with digital elements, known as the Cyber Resilience Act, bolsters cybersecurity rules to ensure more secure hardware and software products.



Hardware and software products are increasingly subject to successful cyberattacks, leading to an estimated global annual cost of cybercrime of €5.5 trillion by 2021.



Log4j is a ubiquitous piece of software used to record activities in a wide range of systems found in

consumer-facing products and services. Recently, a serious vulnerability in the popular Java logging

products to enterprise software and web applications. This vulnerability is being widely exploited by

package, Log4i (CVE-2021-44228) was disclosed, posing a severe risk to millions of consumer

a growing set of attackers

...as it disrupts industries over and over again!

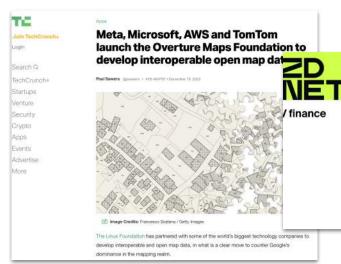




Home / Finance



security



"The Linux Foundation has partnered with some of the world's biggest technology companies to develop interoperable and open map data, in what is **a clear move** to counter Google's dominance in the mapping realm" OpenWallet seeks to open-source your digital

"it's not necessarily seeking to create the single biggest digital wallet provider and **knock the likes of Apple or Google off their pedestals.**."

"incrementalism wasn't going to make google successful with GCE - how do we shake things up in a way that ... gives google a fighting chance ... **against the**

kubernetes

THE DOCUMENTARY

by 🤔 Honeypot

dominance AWS had at the time"

FINOS is uniquely positioned as the arena of choice for financial technology open collaboration

As evidenced by MAJOR growth we experienced in 2022!





finos.org



Fintech Open Source Foundation









Adaptive intel. MEND STATE SYMPHONY Tradeweb Wipro



The 2022 State of Open Source in Financial Services

December 2022

Hilary Carter, Linux Foundation Cara Delia, Red Hat Tosha Ellison, FINOS Colin Eberhardt, Scott Logic

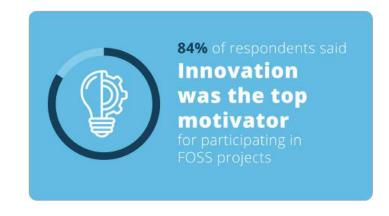
Stephen Hendrick, Linux Foundation Philip Holleran, GitHub



FSIs are living an OSS awakening...

"...the financial services industry has pioneered things that later became popular in open source, like efficient messaging protocols, microservices, and event streaming. but the technologies were kept proprietary in banks and only became mainstream when other companies open **sourced them.** It would be beneficial to contribute more..."

CTO, Investment Bank



72% of respondents said they commit to looking for open source solutions

"We base our business around things like Linux, and we base our business around platforms like Kubernetes, these kinds of large efforts. And we help finance foundations -- and that's great. But these projects won't just live on their own. So not only should we be supporting them through our knowledge and experience, aka opening pull requests [contributing code directly], but also being able to exert our own opinion in those spaces."

Head of OSPO, Global bank

GitHub repositories with commits from financial services institutions are up 43% over last year.



48% of respondents strongly agreed that improving security is a top reason their organization should contribute to open source. This is up from 28% in 2021.



56% agree that their organizations are getting more value from open source compared to 2021.





The ability for financial services employees to contribute to open source is up 75% (20% in 2021 vs. 35% in 2022).

In 2022 we welcomed 18 new Members...

Platinum

WELLINGTON MANAGEMENT®

Gold











temenos

Silver













Associate









...and added more than one project a month!





US LCR















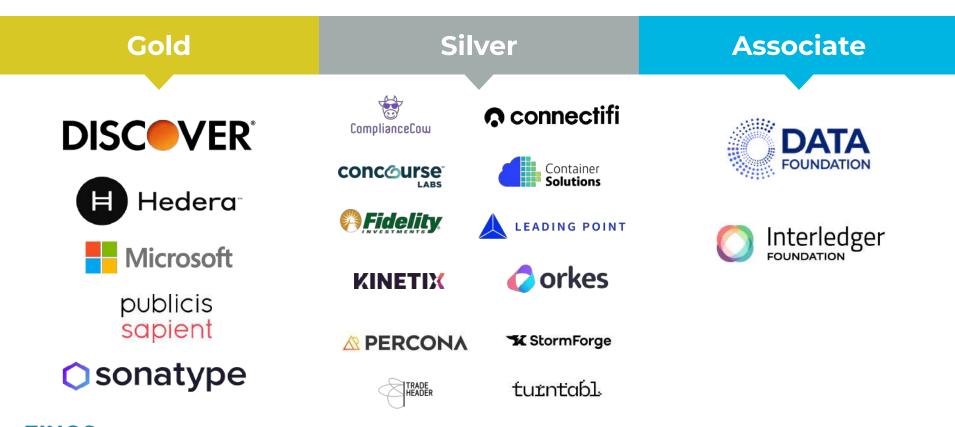








2023 - The highest # of members we ever added



Open Source Contribution

+63%

Unique Contributors YoY >43K

Commits on FINOS repos

13

New Projects contributed In 2022

Source: metrics.finos.org





TRAINING

Adoption

+2905%

NPM Downloads Since 2019 +671%

NPM Downloads Since Jan 2022 **352**

Enrollees in FINOS training

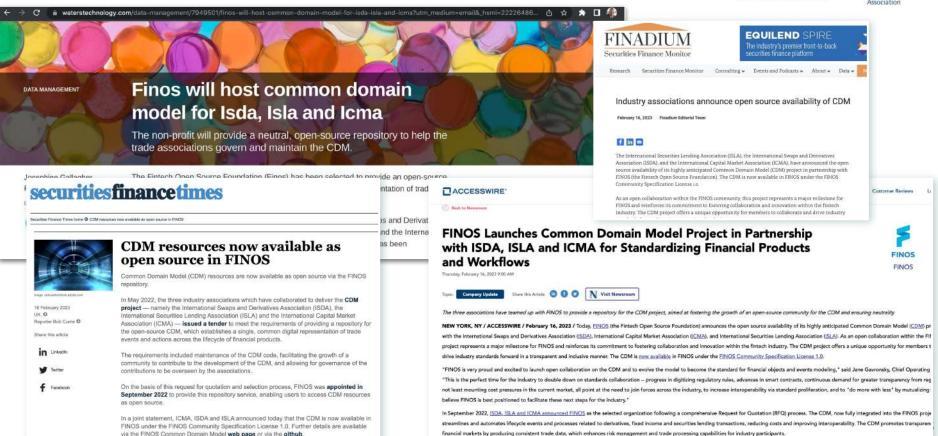


Source: npm-stat.com

NEW: the CDM is now Open Source! ISDAISLA

github.com/finos/common-domain-model





OSFF NYC + London 2022 were record-breaking events!

Learn more with <u>NYC</u> and <u>London</u> post event reports



FINOS helps you unlock the value of open source in financial services

If you are OS ready you can engage in our 50+ projects. If you are not, we can help you accelerate your corporate OS readiness.

The Five Stages of Community Engagement

OSS ROLLS directly Proportional to Corporate OSS maturity

STAGE

VALUE

LEAD

Become a Member and **Special Interest Group**

Influence the overall strategy and focus of the Foundation by participating as a Member or on the Governing Board, and ensure sustained growth for the projects your care about

CONTRIBUTE

Grow adoption and contribution to a critical open source component or open standard in a neural environment with the support of the FINOS community

PARTICIPATE

Interact directly with some of the best technical talent in the industry, collaborating and influencing the direction of our projects towards efficiently solving ever more common industry challenges

CONSUME

Any of the Foundation's open source (Apache v2) software and open standards projects as well as Open Source Readiness enablement material

Immediately realize value by leveraging FINOS financial services grade open source projects and open standards adopted by the largest global FSIs as well as ready-made material to accelerate your own enterprise OSS journey

EVALUATE

The FINOS Project Landscape, our Github organization, the State of Open Source in Financial Services report, LFX Community metrics, our Knowledge Base

Get valuable insights on the business challenges open source is solving in the financial industry and learn more about the open source projects and standards currently available to address those

Not ready? We can help you in the journey!

Financial services firms face **unique challenges** to collaborate in the open:

Legal & regulatory concerns

Lack of internal policies

Cultural friction

Heavily restricted technology environments

Driving Open Source in Financial Services starts by **enabling safe, compliant open source consumption and contribution.** FINOS provides industry accepted, open and free materials:

Meetings

The Open Source Readiness (OSR) Special Interest Group (SIG), meeting on a monthly basis, is a venue dedicated to discussing open source readiness challenges for financial services firms. The purpose of the OSR SIG is to agree on the approach to address these challenges, and to set up open source projects to develop solutions.

Reference OS Policy

Template for a comprehensive open source software policy for a financial services institution, including sample provisions governing the acquisition and use of OSS, and contribution to OSS projects.

Resources

OS License Compliance
Handbook

Reference guide to practical compliance information for the most common open source licenses. Great for engineers and compliance staff operationalizing compliance with third-party license.

Open Source Maturity Model New!

Comprehensive survey and model to evaluate maturity of financial services firms against enterprise consumption, contribution and governance of open source. To be released soon in collaboration with Wipro.

Introducing the Open Source Readiness Initiative

Learn more at finos.org/open-source-readiness

You can't improve what you can't measure!

Why OSMM?

The OSMM allows you to chart your bank's open source maturity across several dimensions.

OSMM provides a snapshot of the bank's current maturity and the steps needed to gain a greater level of open source maturity.

INTRODUCING THE



Contributed By



Get Involved

Take the OSMM today!

bit.ly/3H8GT2T



Contribute to OSMM

<u>github.com/finos-labs/osmm</u>

Join our OSR SIG

<u>osr.finos.org</u>

Because when you can contribute new or to existing project, that's where the true ROI is realized.

FINOS 50+ projects from interop to data standards, from UI to infra, from regulation to developer enablement.

Legend: An industry success story



github.com/finos/legend



hub.docker.com/u/finos

Docs legend.finos.org

www.finos.org/legend

Reach out! legend@finos.org

Case Study Legend Pilot Case Study

EGEND

Open Sourcing October 2020

ISDA CDM

The code for Goldman Sachs' internal data platform is now open for anyone to use. The bank's data chief tells us why the firm decided to share something seven years in the making.

Announcement November 2019

Goldman Sachs announces their intention to Open Source Legend (formerly knowns as Alloy) at the 2019 FINOS Open Source Strategy Forum. See Legend 101 Walkthrough.



FINOS Goldman

Relational Mapping & Query Components **July 2021**

The Legend team continues to open source additional functionalities to map data models to databases (relational component) and to create queries on top of models (query)

Industry wide business modeling **Ongoing**

Adoption **As of September 2021** At least three financial

institutions are in

advanced stages of

deployment of Legend

evaluating local

Goldman Sachs & ISDA stepped forward to lead the Financial **Objects Special Interest Group** to promote the creation. enhancement and adoption of standard financial objects & data models in the open. Industry consortia like ISDA and ISLA join FINOS to accelerate standardization through OSS.

Integrations 2022

Legend + Deltalake (by Databricks)

Legend + Juju (by Canonical)

CDM contributed

ISDA, ISLA, ICMA ioin forces and contribute a major industry wide model to FINOS

Legend Studio Pilot

April - September 2020

FINOS members, including Deutsche Bank, Goldman Sachs, GitLab, ISDA, Itau, Morgan Stanley, RBC and Scott Logic built extensions to the ISDA CDM using Legend Studio

Learn more: Legend Studio Case Study

Perspective: Open Source ROI

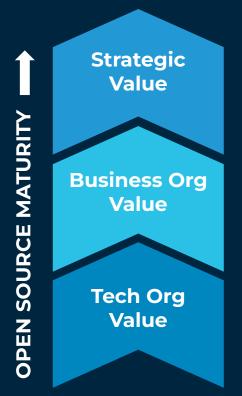
pithub.com/finos/perspective

Docs perspective.finos.org

Try! www.finos.org/perspective

Reach out! perspective@finos.org

Case Study Perspective Case Study





By deploying the <u>Perspective</u> data visualization component, originally developed by JP Morgan and contributed to FINOS, one FINOS Platinum member saved:

Time savings

Headcount savings

Cost savings

3 years of development

4 developers 1 business analyst 1 QA

US\$ 3,500,000

Participants & adopters























REFINITIV 🔫











FDC³: Interoperability the financial desktop

2021

FDC3 1.2 Released

Early 2021 - fdc3.finos.org

FDC3 Intro Training

(New!) training.linuxfoundation.org

FDC3 Workbench

https://github.com/finos/FDC3/tree/mas ter/toolbox/fdc3-workbench August 2022 FDC3 2.0 - released!

Get involved

As a participant at github.com/finos/fdc3

Join a standard meeting

Help us shape the vision for a truly open app financial desktop ecosystem!

App Directory

10+ apps available in the Beta directory at directory.fdc3.finos.org

Conformance

The first 3 FDC3 conformant Desktop Agents are certified! fdc3.finos.org/community

★ See who's using it fdc3.finos.org

★ How are you using FDC3 Email fdc3@finos.org

See full details in **Appendix A**

FINOS Special Interest Groups

FINOS Special Interest Groups provide a venue to discuss common challenges in financial services and to agree on actionable use cases. FINOS SIGs contribute new use cases to existing projects, or lead to the proposal of new open source projects to the Foundation.



To demonstrably improve diversity of of underrepresented people on the Board, among FINOS team members. and the FINOS community

community to share their open source readiness journey, and discuss ways to overcome financial services organizations. It is led by FINOS members Wipro and RBC.

Tech Enablement



accelerating InnerSource- i.e. members Capital One, Deutsche Bank, InnerSource Commons, Morgan Stanley, and RBC.

the highly regulated **Morgan Stanley and**

Cloudbees.

Business Use Cases



individuals across the financial identify the need for **new. open.** financial objects standards as well as modifications to existing ones. It is led by FINOS members Goldman Sachs and ISDA.



a community of people interested in creating open source solutions for regulatory and compliance issues in **financial services.** It is part of Member AIR and by ING.

Special Interest Groups meet regularly and participation is open to everyone. Find the next meeting on the FINOS Community Calendar (email help@finos.org if you would like to be added to a recurring calendar invite)

Visit landscape, finos, ora full list of FINOS projects and initiatives. Learn more about FINOS Special Interest Groups here.

FINOS Fintech Open Source Foundation finos.org

The Vision for our <a>Open RegTech Initiative

TRADITIONAL MODEL



Regulators define regulations...



...in comprehensive and often lengthy documents



Regulated firms interpret those regulations...



...and independently build technology solutions (or pay for vendor solutions) to meet them.





Regulators define regulations...

Open Source Regulation



Access to Talent

Transparency

Systemic cost savings

Efficiency

Consistent Interpretation



Write once, inspect anywhere and participate & lead OSS efforts

Industry participants collaborate in the open to interpret and implement regulations

Regulation Innovation SIG

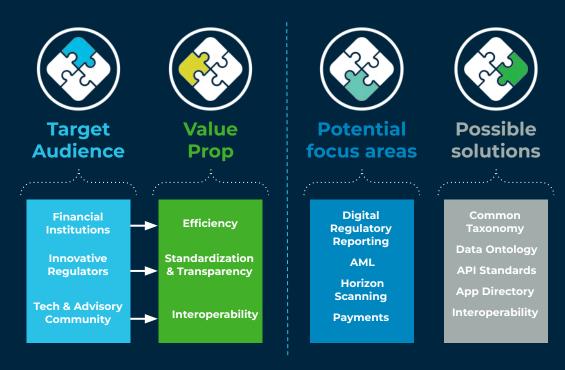
Newly contributed reg projects:

- o TRAC (Accenture)
- LCR (Morgan Stanley)
- o <u>CDM</u> (ISDA, ICMA, ISLA)

The Regulation Innovation SIG brings together a community of people interested in creating open source solutions for regulatory and compliance issues. Creating open source solutions to regulatory compliance is particularly important because the market is currently using custom-built, one-off solutions, that are expensive, inefficient, and costly to manage and update over time.







Learn more & get involved at github.com/finos/open-regtech

Symphony's open source ecosystem



Present

Overview

FINOS was originally the Symphony Software Foundation, formed to build a **collaborative ecosystem** for open projects and open standards around the **Symphony messaging and collaboration** platform.

SYMPHONY

2015

Symphony Software Foundation* created

by several investmen banks as Founding Members

(*) Symphony Software Foundation became FINOS in 2018

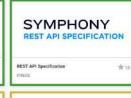


Today, Symphony counts over half a million users, servicing more than 1,000 institutions, making Symphony a huge conduit for OSS and Open Standards developed in FINOS.



SYMPHONY











Why projects choose FINOS/LF vs going it alone

Technical Infrastructure



Community



Legal & Governance



Technical Infrastructure & Tooling. FINOS handles not only Github/Gitlab set-up and maintenance but also provides CI/CD tooling (through **LFX** and **its collaboration infrastructure** to accelerate compliant, secure developer commits and pull requests.

Security Scanning and responsible disclosure. FINOS uses several best-of-breed technologies to scan code for <u>CVEs</u> and implements a professional <u>vulnerability</u> responsible disclosure.

Migration. For projects not already open sourced, FINOS assists with the legal and technical inspection required to prepare a project code base to be open sourced under the Apache 2.0 license (the preferred license of the foundation).

Ready and Growing Community. Rather than build a developer community from scratch, FINOS projects plug into a <u>vibrant community</u> across over 50 Projects.

OSS Enabled Community. FINOS is trusted by the largest financial institutions to enable their developers to participate in open source projects in a compliant way. Monitor the growth of our community at **metrics.finos.org**

Community Management Support. FINOS supports its projects in their development of roadmaps and feature prioritization. FINOS also helps with promoting projects to both contributors and end-users including press releases, microsites, social media, webinars, and in person events. See our **world class staff**.

Neutrality. FINOS provides a neutral home and transparent governance for industry standards and open source projects. See our **Governance**.

Open Source Readiness. Our Open Source Readiness (OSR) project supports your journey towards Open Source.

IP Validation. FINOS handles the licensing agreements with developers -- and our CI/CD tooling checks they are in place upon commit using the **LFX EasyCLA tool**.

Governance. FINOS <u>provides</u>, monitors, and helps (gently) enforce "rules of the road" to foster community, promote contribution, and encourage meritocratic development based - all in compliance with regulated industries requirements and sensitivities. See our **policies**

The Open Source Enablement Journey

Participate in the FINOS Community

Attend <u>project meetings</u>, consume and contribute to FINOS open source projects to address **technology** and **business** use cases:

Tech-oriented projects

- Open Source Readiness
- <u>Innersource</u>
- Git Proxy
- Interoperability
- Cloud Compliance

Business-oriented projects

- Object definitions: <u>Financial Objects</u>
- Reference Data: Securities. Currencies
- Data modeling: <u>Legend</u>
- Frameworks: Morphir
- Data Visualization: Perspective
- Compliance: Reg Innovation SIG

Accelerate Open Source Readiness

through FINOS Platinum or Gold membership

- Training. Platinum members enjoy free, unlimited access to <u>Linux Foundation OSPO/</u> OSS training
- Bespoke assessment. Platinum and Gold members are eligible for bespoke Open Source Readiness assessments

Drive Open Source in Financial Servicesthrough FINOS Platinum or Gold membership

- **Leadership.** Join financial institutions and technology firms on the <u>FINOS Governing Board</u> (Platinum and Gold members only)
- Propose new projects
- Access the FINOS member network

Leverage existing Resources

- Open Source Compliance Handbook
- Reference Open Source Policy

FINOS Fintech Open Source Foundation

Get Involved

Browse the FINOS GitHub organization for good first issues and help wanted

Join an upcoming SIG or project meeting

Stay up to date

Become a member

github.com/finos

FINOS Community
Calendar

<u>finos.org/news-and-ev</u> ents Complete the membership application and we'll be in touch shortly.

Questions? Email help@finos.org

The FINOS Community has never been busier

FINOS joined the LF in early 2020





MEMBER SUCCESS		PROJECTS		MARKETING		
WHY WE JOINED THE LF?						
TRAINING & EVENTS	GLOBAI	L TECH FOOTPRINT	LFX & SHARED INFRA		INFLUENCE UPSTREAM	

... and it's been a fantastic journey!

Tools

- Member enrollment
- LFX Insights and org dashboard
- EasyCLA
- Crowdfunding

Synergies

- Pandemic resiliency
- Independence
- Complementary foundation models
- LF brand & global tech reach
- FSI experience and network (e.g.OpenSSF)

World class teams

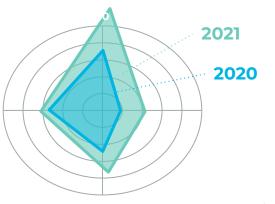
- Events
- LF Research
- Training







+18 new members



+10 new projects

Fintech Open Source Foundation

FINOS Membership benefits and tiers

Anyone can consume, participate and contribute to FINOS projects, but, amongst many other benefits, only Members can propose new projects & sit on the Board.

How FINOS Delivers Value to its Members

FINOS members are **essential to the success of the Foundation** and are **instrumental in steering the direction** of open source in financial services. <u>Our Members</u> benefit from:

Access and network

Access the Financial Services developer and decision maker community

Governance & Legal

Leverage FINOS

governance and legal

support enabling banks

to safely collaborate in

the open

Standardization

Work with financial services customers **once** (in the open) instead of building customizations for every customer

Flexibility & Interoperability

Achieve interoperability with other vendors by driving standards and reduce concerns for vendor lock-in

OS Commoditization

Disrupt a locked-in industry through Open Source commoditization and open core models

Talent acquisition and retention

Lead in the open source space, enabling your developers to participate in open source projects and attracting top talent

Compliance-as-code

Collaborate with industry leaders - and increasingly with regulators - to build compliance-as-code implementations

First-mover

Position your technology as part of the reference architecture for fintech OSS. Only FINOS Members can propose new Projects.

Cut technology TCO

Mutualize cost on vast amount of non-differentiating financial services technology

Embrace a modern development workflow

Use and learn from the FINOS Open Developer Platform

Member Benefits: Brand and Networking

MEMBER BENEFITS		PLATINUM	GOLD	SILVER	NON-MEMBER	
FINOS Governing Board seat	Meet and learn from leaders of finance and tech companies to drive the direction of the Foundation	Dedicated representative on the Governing Board, driving oversight over direction of the Foundation.	Participate in elections for a board representative every three Gold Members (1 year position)	Participate in elections for a board representative for the whole Silver tier (1 year position)	None	
Brand positioning	Members enjoy positioning in FINOS announcements, web properties and collateral	Central positioning on website and collateral. Dedicated announcement upon joining and FINOS quote on Member-led press release.	Logo on website and collateral. Optional announcement upon joining and FINOS-provided quote for Member led-press release.	Logo on website and all collateral. Bundled announcement with other Silver Members.	Pending active contributions and releases.	
Press Releases, Case Studies, Newsletters, blogs and more	We use a number of tools to highlight participation in our projects and community.	Propose topics and participate in press releases and case studies	Participate in press releases and case studies by FINOS invitation	Participate in press releases and case studies by FINOS invitation		
		Relevant achievements highlighted in newsletter.	Relevant achievements highlighted in newsletter.	Relevant achievements highlighted in newsletter.	Pending active contributions and releases	
		Blog posts welcome (subject to FINOS approval)	Blog posts welcome (subject to FINOS approval)	Blog posts welcome (subject to FINOS approval)		
Access to Member network	FINOS provides access to a Member only list and helps Members socializing collaboration ideas	FINOS leads socialization with Board and Members distribution lists, hosting a dedicated roundtable when applicable	FINOS leads socialization with Members-only distribution list.	Member leads socialization with Member-only distribution list	None	

Member Benefits: Events

MEMBER BENEFITS		PLATINUM	GOLD	SILVER	NON-MEMBER
Members meeting	Bring members together to openly discuss existing projects and new opportunities.	Free attendance (unlimited)	Free attendance (7 individuals)	Free attendance (4 individuals)	None
		Preference given to speaking requests	Preference to speaking requests on FINOS projects	Preference to speaking requests on FINOS projects	None
Open Source Strategy Forum (OSSF)	Only industry event at the cross section of finance, open, source and tech, providing unparalleled content and networking.	Free attendance(unlimited) and 30% sponsorship discount	Free attendance (7 individuals) and 30% sponsorship discount	Free attendance (3 individuals) and 30% sponsorship discount	Paid attendance
		Preference given to speaking requests	Preference given to speaking requests on FINOS projects	Preference given to speaking requests on FINOS projects	Submit speaking requests through standard CFS
Meetups	Frequent, interactive, community focused events on industry relevant topics	Free attendance	Free attendance	Free attendance	Paid attendance
		Co-hosting & presenting opportunities	Co-hosting & presenting opportunities	Co-hosting & presenting opportunities	Presenting at FINOS invitation only
Webinars	Anyone can attend but members can co-host and propose topics	Attend	Attend	Attend	Attend
		Co-host and present	Co-host and present	Co-host and present	Present by exception
Industry Events	Participate in interactive discussions with FINOS at industry events	By FINOS invitation	By FINOS invitation	By FINOS invitation	By exception

Member Benefits: Dedicated Member services

MEMBER BENEFITS		PLATINUM	GOLD	SILVER	NON-MEMBER
Open Source Readiness (OSR)	Access a variety of open source tools and benefit from our team's deep experience with open source in regulated industries	Bespoke readiness assessment report and recommendations	Self-serve readiness assessment survey	Self-serve assessment survey	Self-serve assessment
		Dedicated time with our OSR lead (6 hours)	Dedicated time with our OSR lead (2 hours)	Dedicated time with our OSR lead (1 hour)	None
		CCLA execution assistance (unlimited)	CCLA execution assistance (By exception)	CCLA execution assistance (By exception)	
Project formation & pilot support	We help our Members successfully identify, nurture and pilot open source projects	Can propose new projects and socialize them in formation stage	Can propose new projects and socialize them in formation stage	Can propose new projects	Can contribute to existing projects
		Project formation & open sourcing best practice support	By exception	None	None
Member Success	Leverage our member success team to identify opportunities and make the most of your membership	··Bespoke member·status reports··· (semi-annually)	··Bespoke member status reports · · · · (annually)	· Access to <u>LFX</u> Insight Organization Dashboard (beta)	·None·····
		Member success meetings (semi-annually)	Member success meetings (annually)	··N/A · · · · · · · · · · · · · · · · · · ·	None
Member Events	FINOS presentations or stands at your events - from team meetings to internal conferences	Bespoke presentations	Bespoke presentations By exception Promote events on our website/ social media (4 max)	By exception None Promote events on our website/social media (2 max)	By exception None At FINOS discretion
Training ^(new!)	FINOS members enjoy premium access to LF Open Source Training and Certification	Best Practices catalog.	.50-seat, annual subscription to eLearning courses.	. Volume discounts for LF training and certification based on LF tier.	. None
		50-seat, annual subscription to eLearning courses	Volume discounts for LF training and certification based on LF tier.		

Member benefit zoom-in: Projects

Yes, anyone can consume and contribute to existing FINOS projects. But **only FINOS Members can propose new projects**!



Member Success Stories

Goldman Sachs: Legend

Ahead of the Open Sourcing of Legend, FINOS set up a neutral Legend instance to run a pilot project with ~40 individual participants from Goldman Sachs, Deutsche Bank, Itau, RBC Capital Markets, Morgan Stanley, Gitlab and ISDA, among others.

EPAM: Glue

Ahead of the open sourcing of GLUE from our Silver Member EPAM, we ran a <u>webinar</u> and <u>podcast</u> and introduced the team to several buy-side firms.

Morgan Stanley: Morphir

Ahead of the contribution of Morphir into FINOS, we socialized the project with the FINOS community and organized a live demo with 22 participants from member firms.

FINOS Membership Tiers



\$200,000 / year

Geared towards large financial institutions; asset, wealth and fund managers; and large tech companies



GOLD

\$50,000 / year

Targeted at market data providers, large ISVs and SIs, technology partners and exchanges.



SILVER

\$10-30,000 / year

Silver membership fees scale based on # of employees: \$10,000 for less than 20 employees, \$20,000 for 20-99, and \$30,000 for 100 or more employees

Suitable for startups, and small consulting firms with limited resources but an appetite to contribute



ASSOCIATE

No Cost

Restricted to government organizations, regulatory bodies, nonprofits and academic institutions

Complete the membership application and we'll be in touch shortly!

FINOS Members must also become Members of the Linux Foundation (at any tier). More info here.

FINOS also has an INDIVIDUAL SUPPORTER PROGRAM, reserved for individuals who significantly contributed to Foundation projects, and emeriti who contributed to shaping FINOS with their thought leadership.

Linux Foundation Membership Benefits

All FINOS members must also become members of the Linux Foundation at any tier (more information <u>here</u>). **Some** of the benefits your organization can take advantage of by being an LF member include:



LEGAL

- Conferences. Join exclusive legal conferences including the annual <u>LF Legal</u> <u>Summit</u>, <u>LF Open Compliance Summit</u>, legal tracks at the <u>Open Source Leadership</u> <u>Summit</u>, and access the <u>bimonthly legal</u> <u>counsel calls</u>.
- Ad-hoc support. Engage with our open source compliance experts for ad hoc discussions ranging from potential new projects to internal program office structures and processes.



STRATEGIC GUIDANCE

- Best Practices. Opportunity for your open source program office to participate in the TODO Group (todogroup.org) and Open Source Security Foundation (OpenSSF).
- Introductions to other Linux Foundation members and hosted projects of interest to expand business opportunities



INSIGHTS

- Leverage LFX Insights to validate projects for investment, and track the activity and growth of projects you're already involved in.
- Gain visibility on your project's code pipeline and performance metrics. Ensure the health & viability of the open source projects you care about.
- Showcase your organization's leadership and subject matter expertise in the open source community



TRAINING



EVENTS

- Discounts for <u>Linux Foundation Events</u>
- Access to exclusive, member-only events like the LF member summit

- Discounts. Access discounted <u>LF Training</u> & Certification offerings. Check out the <u>LF Course</u> <u>Catalog</u> and use the <u>quote tool</u> to obtain your discounts.
- Platinum ONLY. Enterprise wide license to Open Source Management and Best practices curriculum



MARKETING

- Lead sponsored webinars
- Participate in articles and press releases.

For more information, see the Linux Foundation Member Benefits

Ready to join the FINOS family?

Complete the <u>membership application</u> and we'll be in touch shortly.

FINOS

Fintech Open Source Foundation

FINOS By the #s

OSS PROJECTS/ SIGs

PLATINUM



SILVER





GitHub

Goldman Sachs

J.P.Morgan

Morgan Stanley





WELLINGTON MANAGEMENT









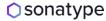
























































FINOS By the #s

MEMBERS

OSS PROJECTS/ SIGs

PLATINUM

GOLD

SILVER

Container
Solutions

LEADING POINT

orkes

KINETIX





GitHub

Goldman Sachs

J.P.Morgan

Morgan Stanley





WELLINGTON MANAGEMENT



SUSE 5 SYMPHONY

Tradeweb

Red Hat

temenos





Finsemble





CloudBees

Fidelity

C Genesis

Luxoft

PERCONA





ComplianceCow

controlplane

Glue 42

Point 72







AlmaLinux



























