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

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

FINOS also runs an Open Source Readiness Initiative 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.
**FINOS Flagship Projects**

**DATA VISUALIZATION**
- **Perspective** is an interactive visualization component for large, real-time datasets, used to build reports, dashboards and more, contributed by JP Morgan.

**DATA MODELING**
- **Legend** 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.

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

**CLOUD AND OSS ENABLEMENT**
- **FDC3** is an open standard that enables plug-and-play interoperability on the financial desktop.

**OPEN REGTECH**
- **LCR** is a Morgan Stanley open sourced implementation of the US Liquidity Coverage Ratio.
- **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.

**Contribute:** [github.com/finos](https://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

**MISSION**

**CORE SERVICES**

**COLLABORATION VEHICLES**

**Member Success**
Support our Members to get increasing value from FINOS in line with their strategic objectives

**Project Success**
Grow contribution and adoption of our Projects to address common challenges in Financial Services.

**Special Interest Groups**

**LFX Tools**

**Software and Standards Governance**

**Open Source Readiness Initiatives**
...and sending shockwaves throughout the industry!

What's safe to open source? Balancing faster deployment with secure code

Allya Das Guptan  
Sygnum Bank

Gabriele Columbro  
The Linux Foundation

Teo Bildarus  
Finance

Lesley Ann Vautier

Open source's slowly growing role in Fintech

Financial leaders know open-source methods and software help their businesses, but they're lame about embracing it.

Written by Steven Vaughan-Nichols, Senior Contributing Editor  
on Dec 6, 2021

Waters Wrap: The next evolution of FDC3

Anthony examines how an open-sourced implementation of the FDC3 standard might change the interoperability landscape.

On Tuesday, May 17, Waters Technology is going to host its first in-person conference in the US since 2019. Here's the agenda for the North American Financial Information Summit, aka NIF. (FYI, if you work at a bank/broker or asset manager/hedge fund, it's free to attend. Register here.)

This event will hit on an array of issues facing the capital markets, one of which is interoperability, a topic near and dear to my heart. So if you'll permit me, dear reader, I'm going to write about it once

Get FOSS-happy, China tells its financial institutions

Use it, contribute to it, respect its licences — and plan for security emergencies it creates

China has told its finance sector to embrace free and open source software (FOSS).

An opinion from the People's Bank of China and the nation's Central Cyberspace Administration essentially tells banks to "go for it."

The document instructs China's financial sector players to use FOSS whenever they feel it is appropriate, to contribute to FOSS projects, and to respect the licences under which such software is published. Financial institutions are also encouraged to collaborate with tech companies, universities, and other institutions on FOSS efforts.
Now even Fintechs & VCs are waking up...

Open Source Is Finally Coming to Financial Services

Until very recently, financial services were notoriously hard and expensive to build. Incumbents and startups alike grappled with extensive regulation, inflexible core systems, complex payment architectures, compliance hurdles, fraud, and more.

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...
...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

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 FDC3 and Legend, 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 (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.
Because open source unlocks strategic value beyond “just code”

C-Suite Value
The mandate to become technology companies

Business Org Value
Promote and influence de-facto industry standards, APIs, SDKs

Tech Org Value
Commoditize 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 by enabling an increasingly efficient OSS workflow
Increase Efficiency by mutualizing non-competitive tech (e.g., reg compliance)
De-Risk Reduce vendor lock-in and obsolescence
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.

FTC warns companies to remediate Log4j security vulnerability

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 package, Log4j (CVE-2021-44228) was disclosed, posing a severe risk to millions of consumer products to enterprise software and web applications. This vulnerability is being widely exploited by a growing set of attackers.
“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.”

“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 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!
The 2022 State of Open Source in Financial Services

December 2022

Hilary Carter, Linux Foundation
Cara Deila, Red Hat
Tosha Ellison, FINOS
Cain Eberhardt, Scott Logic

Stephen Hendrick, Linux Foundation
Philip Holleran, GitHub

Foreword by Gabriele Columbro,
Executive Director, FINOS
“...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

“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).

See key insights from the 2022 report in the appendix.
In 2022 we welcomed 18 new Members...

**Platinum**

- Wellington Management

**Gold**

- American Express
- AXA
- Google Cloud
- Lloyds Banking Group
- Société Générale
- Temenos

**Silver**

- Mirantis
- Point72
- Regnosys
- Luxoft
- Blockchain Technology Partners
- Controlplane
- PeerNova

**Associate**

- The Digital Dollar Project
- ESOP
- Mifos
- RegTech
...and added more than one project a month!

- FDC³ Conformance
- Open RegTech US LCR
- trac data + analytics platform
- Vuu The Real-time View Server
- FDC³ SAIL Backplane
- FDC³ Common Domain Model
- Financial Objects Product Control Common Template
- Diversity Equity + Inclusion Special Interest Group
- Symphony Generator
- Open Source Maturity Model
- FINOS Security Scanning
2023 - The highest # of members we ever added

Gold

- DISCOVER
- Hedera
- Microsoft
- publicis
- sapient
- sonatype

Silver

- ComplianceCow
- Concourse Labs
- Container Solutions
- Fidelity Investments
- LEADING POINT
- KINETIX
- orkes
- PERCONA
- stormForge
- TradeHeader
- turntabl

Associate

- DATA Foundation
- Interledger Foundation
Open Source Contribution

+63% Unique Contributors YoY

>43K Commits on FINOS repos YoY

13 New Projects contributed In 2022

Source: metrics.finos.org

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!

github.com/finos/common-domain-model

Data Management

Finos will host common domain model for Isda, Isla and Icma

The non-profit will provide a neutral, open-source repository to help the trade associations govern and maintain the CDM.

CDM resources now available as open source in FINOS

Common Domain Model (CDM) resources are now available as open source via the FINOS repository.

In May 2022, the three industry associations which have collaborated to deliver the CDM project—namely the International Swaps and Derivatives Association (ISDA), the International Securities Lending Association (ISLA), and the International Capital Market Association (ICMA)—launched a tender to meet the requirements of providing a repository for the open-source CDM, which establishes a single, common digital representation of trade events and actions across the lifecycle of financial products.

The requirements included maintenance of the CDM code, facilitating the growth of a community to contribute to the development of the CDM, and allowing for governance of the contributions to be overseen by the associations.

On the basis of this tender for a repository service, enabling users to access CDM resources as open source, FINOS was appointed in September 2022 to provide this repository service, enabling users to access CDM resources as open source.

In a joint statement, ICMA, ISDA and ISLA announced today that the CDM is now available in FINOS under the FINOS Community Specification Licences 1.0. Further details are available via the FINOS Common Domain Model web page or via the GitHub.

FINOS Launches Common Domain Model Project in Partnership with ISDA, ISLA and ICMA for Standardizing Financial Products and Workflows

The three associations have teamed up with FINOS to provide a repository for the CDM project, aimed at fostering the growth of an open source community for the CDM and ensuring sustainability.

NEW YORK, NY / ACCESSWIRE / February 16, 2023 / Today, FINOS (the Fintech Open Source Foundation) announces the open source availability of its highly anticipated Common Domain Model (CDM) project with the International Swaps and Derivatives Association (ISDA), International Capital Market Association (ICMA), and International Securities Lending Association (ISLA). As an open collaboration within the FINOS project, the CDM project represents a major initiative for FINOS and reaffirms its commitment to fostering collaboration and innovation within the fintech industry.

The CDM project offers a unique opportunity for members of the financial services industry to contribute to the ongoing development of a single, common digital representation of trade events and actions, facilitating the growth of a community to contribute to the development of the CDM, and allowing for governance of the contributions to be overseen by the associations.

FINOS is very proud to be able to offer an open-source repository for the CDM project, and to welcome the model to become the standard for financial institutions and regulators worldwide. 

“FINOS is very proud and excited to launch open collaboration on the CDM and to welcome the model to become the standard for financial institutions and regulators worldwide,” said Jane Cummiskey, Chief Operating Officer of FINOS. “This is the perfect time for the industry to double down on standards collaboration—progress in digitising regulatory rules, advances in smart contracts, continuous demand for greater transparency from regulators, and, at last, ever-mounting costs pressures in the current market, all part of the need to joint forces across the industry, to increase interoperability via standardisation, and to “do more with less”, by realising the benefits of FINOS’ unique position in these next steps for the industry.”

In September 2022, ISDA, ISLA and ICMA announced FINOS as the selected organization following a comprehensive Request for Qualifications (RFQ) process. The CDM, now fully integrated into the FINOS open-source platform, will accommodate future events and processes relevant to derivatives, fixed income, and securities lending transactions, reducing costs and improving interoperability. The CDM promotes transparency and financial stability by producing consistent trade data, which enhances risk management and trade processing capabilities for industry participants.
OSFF NYC + London 2022 were record-breaking events!

Learn more with [NYC](#) and [London](#) 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

**STAGE**

**CONTRIBUTE**
To an existing project or an entirely new project.

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

**PARTICIPATE**
In FINOS projects, Special Interest Groups (SIGs), Online and in person events, e.g. Open Source in Finance Forum.

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

**LEAD**
Become a Member and propose a project or a Special Interest Group.

**VALUE**

Immediate 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.

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

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.

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.

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.

OSS ROI is directly proportional to Corporate OSS maturity.
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.

- **Resources**
  - Reference OS Policy
  - OS License Compliance Handbook
  - Open Source Maturity Model

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.

**Get Involved**

Take the OSMM today! [bit.ly/3H8GT2T](https://bit.ly/3H8GT2T)

Contribute to OSMM [github.com/finos-labs/osmm](https://github.com/finos-labs/osmm)

Join our OSR SIG [osr.finos.org](http://osr.finos.org)
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

Announcement
November 2019

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

Open Sourcing
October 2020

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.

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).

Adoption
As of September 2021
At least three financial institutions are in advanced stages of evaluating local deployment of Legend.

Industry wide business modeling
Ongoing

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.

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

Integrations 2022

Legend + Deltalake
(by Databricks)

Legend + Juju
(by Canonical)

CDM contributed
ISDA, ISLA, ICMA join forces and contribute a major industry wide model to FINOS.

Reach out!
legend@finos.org

Case Study
Legend Pilot Case Study
By deploying the Perspective data visualization component, originally developed by JP Morgan and contributed to FINOS, one FINOS Platinum member saved:

**Strategic Value**

- Time savings: 3 years of development

**Business Org Value**

- Headcount savings: 4 developers, 1 business analyst, 1 QA

**Tech Org Value**

- Cost savings: US$ 3,500,000

Case Study: Perspective Case Study
FDC³: Interoperability the financial desktop

Participants & adopters
- Adaptive
- Citi
- FACTSET
- Fishtek
- GLUE42
- GreenKey
- J.P. Morgan
- openfin
- Capital Markets
- REFINITIV
- SCOTT Logic
- UBS
- SYMPHONY

FDC³ 1.2 Released
Early 2021 - fdc3.finos.org

FDC³ Intro Training
(New!) training.linuxfoundation.org

FDC³ Workbench

See who's using it
fdc3.finos.org

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!

See full details in Appendix A

Dec 2022
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

How are you using FDC³
Email fdc3@finos.org

FINOS Fintech Open Source Foundation
finos.org
# FINOS Special Interest Groups

FINOS [Special Interest Groups](https://landscape.finos.org) 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.

### Tech Enablement

- **Open Source Readiness**
  - The Open Source Readiness SIG provides a venue for the FINOS community to share their open source readiness journey and discuss ways to overcome obstacles to open source adoption (including contribution) in financial services organizations. It is led by FINOS members Wipro and RBC. Learn more at [github.com/finos/open-source-readiness](https://github.com/finos/open-source-readiness).

- **InnerSource**
  - The InnerSource SIG is a community of people implementing and accelerating InnerSource—i.e., applying open source best practices to proprietary code development—within their financial services organization. It is led by FINOS members Capital One, Deutsche Bank, InnerSource Commons, Morgan Stanley, and RBC. Learn more at [github.com/finos/InnerSource](https://github.com/finos/InnerSource).

- **DevOps Mutualization**
  - The DevOpsM SIG aims to solve common engineering problems in the highly regulated financial services industry. It is led by FINOS members Morgan Stanley and Cloudbees. Learn more at [github.com/finos/devops-mutualization](https://github.com/finos/devops-mutualization).

### Business Use Cases

- **Financial Objects**
  - The Financial Objects SIG provides a neutral forum for individuals across the financial services industry to collectively 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. Learn more at [github.com/finos/financial-objects](https://github.com/finos/financial-objects).

- **Regulation Innovation**
  - The Regulation Innovation SIG is a community of people interested in creating open source solutions for regulatory and compliance issues in financial services. It is part of the FINOS Open RegTech Initiative and is led by FINOS Member AIR and by ING. Learn more at [github.com/finos/open-regtech-sig](https://github.com/finos/open-regtech-sig).

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

Visit [landscape.finos.org](https://landscape.finos.org) for a full list of FINOS projects and initiatives. Learn more about FINOS Special Interest Groups [here](https://landscape.finos.org).
The Vision for our **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.

**OPEN SOURCE OPPORTUNITY**
- Regulators define regulations...
- Open Source Regulation
  - Access to Talent
  - Systemic cost savings
  - Efficiency
  - Transparency
  - Consistent Interpretation
- Long term: Industry participants collaborate in the open to interpret and implement regulations
- Short term: Write once, inspect anywhere and participate & lead OSS efforts
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](https://github.com/finos/open-regtech)
Symphony’s open source ecosystem

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.

FINOS now contains several projects including Symphony, integrations, bots, developer tools and desktop components, where financial institutions can contribute directly.

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 Software Foundation became FINOS in 2018
Why projects choose FINOS/LF vs going it alone

**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 CVEs and implements a professional vulnerability 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).

**Community**

**Ready and Growing Community.** Rather than build a developer community from scratch, FINOS projects plug into a vibrant community 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.

**Legal & Governance**

**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 provides, 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 project meetings, consume and contribute to FINOS open source projects to address technology and business use cases:

Tech-oriented projects
- Open Source Readiness
- Innersource
- Git Proxy
- Interoperability
- Cloud Compliance

Business-oriented projects
- Object definitions: Financial Objects
- Reference Data: Securities, Currencies
- Data modeling: Legend
- Frameworks: Morphir
- Data Visualization: Perspective
- Compliance: Reg Innovation SIG

Leverage existing Resources
- Open Source Compliance Handbook
- Reference Open Source Policy

Accelerate Open Source Readiness through FINOS Platinum or Gold membership

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

Drive Open Source in Financial Services through FINOS Platinum or Gold membership

- Leadership. Join financial institutions and technology firms on the FINOS Governing Board (Platinum and Gold members only)
- Propose new projects
- Access the FINOS member network
Get Involved

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

github.com/finos

Join an upcoming SIG or project meeting

FINOS Community Calendar

Stay up to date

finos.org/news-and-events

Become a member

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

Why we joined the LF:

- Global expansion
- Training / Certification
- Infrastructure
- Events

Member Success

Projects

Marketing

Why we joined the LF?

- Training & Events
- Global 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
2021
2020
+10 new projects

FINOS 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. **Our Members** benefit from:

<table>
<thead>
<tr>
<th>Access and network</th>
<th>Standardization</th>
<th>OS Commoditization</th>
<th>Compliance-as-code</th>
<th>Cut technology TCO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Access the Financial Services developer and decision maker community</td>
<td>Work with financial services customers <strong>once</strong> (in the open) instead of building customizations for every customer</td>
<td>Disrupt a locked-in industry through Open Source commoditization and open core models</td>
<td>Collaborate with industry leaders - and increasingly with regulators - to build compliance-as-code implementations</td>
<td>Mutualize cost on vast amount of non-differentiating financial services technology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Governance &amp; Legal</th>
<th>Flexibility &amp; Interoperability</th>
<th>Talent acquisition and retention</th>
<th>First-mover</th>
<th>Embrace a modern development workflow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leverage FINOS governance and legal support enabling banks to safely collaborate in the open</td>
<td>Achieve interoperability with other vendors by driving standards and reduce concerns for vendor lock-in</td>
<td>Lead in the open source space, enabling your developers to participate in open source projects and attracting top talent</td>
<td>Position your technology as part of the reference architecture for fintech OSS. Only FINOS Members can propose new Projects.</td>
<td>Use and learn from the FINOS Open Developer Platform</td>
</tr>
</tbody>
</table>
# Member Benefits: Brand and Networking

<table>
<thead>
<tr>
<th>MEMBER BENEFITS</th>
<th>PLATINUM</th>
<th>GOLD</th>
<th>SILVER</th>
<th>NON-MEMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FINOS Governing Board seat</strong></td>
<td>Meet and learn from leaders of finance and tech companies to drive the direction of the Foundation</td>
<td>Dedicated representative on the Governing Board, driving oversight over direction of the Foundation.</td>
<td>Participate in elections for a board representative every three Gold Members (1 year position)</td>
<td>Participate in elections for a board representative for the whole Silver tier (1 year position)</td>
</tr>
<tr>
<td><strong>Brand positioning</strong></td>
<td>Members enjoy positioning in FINOS announcements, web properties and collateral</td>
<td>Central positioning on website and collateral. Dedicated announcement upon joining and FINOS quote on Member-led press release.</td>
<td>Logo on website and collateral. Optional announcement upon joining and FINOS-provided quote for Member-led press release.</td>
<td>Logo on website and all collateral. Bundled announcement with other Silver Members.</td>
</tr>
<tr>
<td><strong>Press Releases, Case Studies, Newsletters, blogs and more</strong></td>
<td>We use a number of tools to highlight participation in our projects and community.</td>
<td>Propose topics and participate in press releases and case studies</td>
<td>Participate in press releases and case studies by FINOS invitation</td>
<td>Participate in press releases and case studies by FINOS invitation</td>
</tr>
<tr>
<td><strong>Access to Member network</strong></td>
<td>FINOS provides access to a Member only list and helps Members socializing collaboration ideas</td>
<td>FINOS leads socialization with Board and Members distribution lists, hosting a dedicated roundtable when applicable</td>
<td>FINOS leads socialization with Members-only distribution list.</td>
<td>Member leads socialization with Member-only distribution list</td>
</tr>
</tbody>
</table>
## Member Benefits: Events

### Members Meeting
- **Bring members together to openly discuss existing projects and new opportunities.**
  - **Platinum:** Free attendance (unlimited), preference given to speaking requests.
  - **Gold:** Free attendance (7 individuals), preference to speaking requests on FINOS projects.
  - **Silver:** Free attendance (4 individuals), preference to speaking requests on FINOS projects.
  - **Non-Member:** None.

### Open Source Strategy Forum (OSSF)
- **Only industry event at the cross section of finance, open, source and tech, providing unparalleled content and networking.**
  - **Platinum:** Free attendance (unlimited) and 30% sponsorship discount, preference given to speaking requests.
  - **Gold:** Free attendance (7 individuals) and 30% sponsorship discount, preference given to speaking requests on FINOS projects.
  - **Silver:** Free attendance (3 individuals) and 30% sponsorship discount, preference given to speaking requests on FINOS projects.
  - **Non-Member:** Paid attendance.

### Meetups
- **Frequent, interactive, community focused events on industry relevant topics**
  - **Platinum:** Free attendance.
  - **Gold:** Co-hosting & presenting opportunities.
  - **Silver:** Co-hosting & presenting opportunities.
  - **Non-Member:** Presenting at FINOS invitation only.

### Webinars
- **Anyone can attend but members can co-host and propose topics**
  - **Platinum:** Attend.
  - **Gold:** Co-host and present.
  - **Silver:** Co-host and present.
  - **Non-Member:** Present by exception.

### Industry Events
- **Participate in interactive discussions with FINOS at industry events**
  - **Platinum:** By FINOS invitation.
  - **Gold:** By FINOS invitation.
  - **Silver:** By FINOS invitation.
  - **Non-Member:** By exception.
## Member Benefits: Dedicated Member Services

<table>
<thead>
<tr>
<th>Member Benefits</th>
<th>Platinum</th>
<th>Gold</th>
<th>Silver</th>
<th>Non-Member</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Dedicated time with our OSR lead (6 hours)</td>
<td>Dedicated time with our OSR lead (2 hours)</td>
<td>Dedicated time with our OSR lead (1 hour)</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>CCLA execution assistance (unlimited)</td>
<td>CCLA execution assistance (By exception)</td>
<td>CCLA execution assistance (By exception)</td>
<td>None</td>
</tr>
<tr>
<td><strong>Project formation &amp; pilot support</strong></td>
<td>Can propose new projects and socialize them in formation stage</td>
<td>Can propose new projects and socialize them in formation stage</td>
<td>Can propose new projects</td>
<td>Can contribute to existing projects</td>
</tr>
<tr>
<td></td>
<td>Project formation &amp; open sourcing best practice support</td>
<td>By exception</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td><strong>Member Success</strong></td>
<td>Bespoke member status reports (semi-annually)</td>
<td>Bespoke member status reports (annually)</td>
<td>Access to LFX Insight Organization (beta)</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>Member success meetings (semi-annually)</td>
<td>Member success meetings (annually)</td>
<td>N/A</td>
<td>None</td>
</tr>
<tr>
<td><strong>Member Events</strong></td>
<td>Bespoke presentations</td>
<td>Bespoke presentations</td>
<td>By exception</td>
<td>By exception</td>
</tr>
<tr>
<td></td>
<td>FINOS resource(s) on-site</td>
<td>By exception</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>Promote events on our website/social media (unlimited)</td>
<td>Promote events on our website/social media (4 max)</td>
<td>Promote events on our website/social media (2 max)</td>
<td>At FINOS discretion</td>
</tr>
<tr>
<td><strong>Training (new!)</strong></td>
<td>Enterprise wide license to the OSS Best Practices catalog.</td>
<td>50-seat, annual subscription to eLearning courses.</td>
<td>Volume discounts for LF training and certification based on LF tier.</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>50-seat, annual subscription to eLearning courses.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

FINOS Fintech Open Source Foundation

finos.org
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 webinar and podcast 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

**PLATINUM**

$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](https://www.finos.org).

FINOS also has an [INDIVIDUAL SUPPORTER PROGRAM](https://www.finos.org), 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 [here](#)). 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 [LF Legal Summit](#), [LF Open Compliance Summit](#), legal tracks at the [Open Source Leadership Summit](#), and access the [bimonthly legal counsel calls](#).
- **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.

**EVENTS**
- **Discounts** for [Linux Foundation Events](#)
- **Access** to exclusive, member-only events like the [LF member summit](#)

**TRAINING**
- **Discounts.** Access discounted [LF Training & Certification offerings](#). Check out the [LF Course Catalog](#) and use the [quote tool](#) 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 membership application and we’ll be in touch shortly.
FINOS Community in Numbers

78 MEMBERS

56 OSS PROJECTS/SIGs

PLATINUM

BMO | citi | GitHub

GOLD

Goldman Sachs | J.P. Morgan | Morgan Stanley

SILVER

Adaptive | BNY MELLON | CANONICAL

ASSOCIATE

connectifi | Container Solutions | controlplane

GOLD

discovery | Fannie Mae | Hedera

SILVER

LSEG | MEND | NOMURA

ASSOCIATE

NatWest | S&P Global | sonatype

GOLD

Red Hat | societe generale | stormforge

SILVER

SUSE | symphony | telemos

ASSOCIATE

traeweb | wipro

GOLD

Scott Logic | almaLinux | interWork Alliance

SILVER

ISDA | ISLA | the Digital Dollar Project

ASSOCIATE

EDMCouncil | esop | mojaloop

GOLD

AlmaLinux | CRFACTR | data foundation

SILVER

Interledger | foundation | openUK

ASSOCIATE

Interledger | foundation | regtech