FINOS, the catalyst for Open Source in the Financial Services industry

November 2020
Drive a worldwide community to collaborate in the open (source, standards, services, policies) to accelerate innovation and optimization in financial services technology and workflows.
The Foundation at a Glance..

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.

Over 30 member organizations and 300+ contributors collaborate to develop software, deliver standards and drive collaboration in the open.

FINOS also runs an Open Source Readiness initiative to help financial firms adopt best-practice policies, processes, and technology for open source compliance.

FINOS co-hosts the Open Source Strategy Forum with the Linux Foundation, the only Open Source conference solely focused on financial services and regulated industries.
## FINOS Community by the Numbers

<table>
<thead>
<tr>
<th>PLATINUM</th>
<th>GOLD</th>
<th>SILVER</th>
<th>ASSOCIATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Citi</td>
<td>Capital One</td>
<td>Adaptive</td>
<td>AIR Alliance</td>
</tr>
<tr>
<td>Goldman Sachs</td>
<td>HSBC</td>
<td>BNY Mellon</td>
<td>InterWork Alliance</td>
</tr>
<tr>
<td>GitHub</td>
<td>IHS Markit</td>
<td>CloudBees</td>
<td>Alliance for Innovative Regulation</td>
</tr>
<tr>
<td>J.P. Morgan</td>
<td>intel</td>
<td>diffblue</td>
<td>Tradeweb</td>
</tr>
<tr>
<td>Morgan Stanley</td>
<td>openfin</td>
<td>Cloud9</td>
<td>WELLS FARGO</td>
</tr>
<tr>
<td>Nomura</td>
<td>Red Hat</td>
<td>epam</td>
<td>Wipro</td>
</tr>
<tr>
<td>Symphony</td>
<td>REFINITIV</td>
<td>SUSE</td>
<td>Trademir</td>
</tr>
<tr>
<td>RBC</td>
<td>Symbion</td>
<td>NearForm</td>
<td>Tradeweb</td>
</tr>
<tr>
<td>UBS</td>
<td>SYMPHONY</td>
<td>Scott Logic</td>
<td>Tradeweb</td>
</tr>
</tbody>
</table>

- **15** Active Open Source Projects and SIGs
- **22** Incubating Open Source Projects and SIGs
- **350+** Contributors
- **37** Corporate and Associate Members

[landscape.finos.org/][1]  [finos.org/members] [finos.org]
Our goal: Enable Open Source in Financial Services

- Cost Savings
- Efficiency
- Financial Inclusion
- Talent
- Global Reach

Financial Institutions
Fintech Vendors
Regulators
Tech Firms
We help financial institutions realize the benefits of OSS...

- **Reduce** overall software TCO
- **Improve** time-to-market and software quality
- **Attract and retain** talent from a broader pool
- **De-risk** software investments (reduce vendor lock-in, innersource to share knowledge and experience)
- **Simplify** workflow integration in the ecosystem
Complement, not compete

100% focused on FinServ industry challenges

Unique mix of FinServ Business & Tech leaders

An Open Source “first” approach

Other Consortia

vs. most open source Foundations being horizontal across industries

vs. most OSS Foundations led by and targeted to technologists

vs. FSI industry consortia focusing on often abstract specs / policies

Our open source nature makes FINOS naturally complementary and collaborative with other organizations, via Associate Membership or as an upstream/downstream.
How FINOS enables Open Source in FinServ

**MISSION**

**CORE OBJECTIVES**

**ENABLEMENT**

**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.

**Open Developer Platform**

**Transparent Community Governance**

**Open Source Readiness Project**

**Special Interest Groups**
How FINOS enables Project Success

Technical Infrastructure
- Open Developer Platform
- Security Scanning
- Migration support

Community
- Consumer and contributor growth
- Product management and marketing
- Events and Community awareness

Legal & Governance
- Neutrality
- Open Source Readiness
- IP Validation
- Transparent Governance

Business & Technical Value
Solving Industry-wide challenges
A Transparent, Robust and Flexible Governance

- FINOS hosts 40+ collaborative Open Source Software and Open Standards projects
- The FINOS Governance provides a robust framework that enables secure, compliant collaboration in regulated industries
- FINOS policies and templates are flexible and can be tailored to projects’ need for autonomy
- A meritocratic, governance-by-contribution model enables transparent, independent operations under the oversight & steering of the FINOS Governing Board
- All FINOS Projects leverage, the Open Developer Platform, and FINOS Focus Projects receive additional support from the FINOS team
Financial services firms face unique obstacles to collaborate in the open:

- Legal & regulatory concerns
- Lack of internal policies
- Cultural friction
- Heavily restricted technology environments

We support financial services firms every step of the way through our Open Source Readiness Project, providing guidance and tools for participants at every stage of Open Source maturity:

**Meetings**

The biweekly OSR Meetings are open to participants at every stage of open source readiness. Each meeting focuses on a particular Open Source topic, introduced by a reading or presentation, followed by a discussion and "office hours" where members can raise issues and get answers.

**Resources**

- **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.

- **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.
The FINOS Open Developer Platform

The Open Developer Platform (ODP) project provides a collection of services, tools and best practices that deliver a secure and compliant collaboration and development workflow across all FINOS hosted projects.

ODP offers communication and collaboration tools compliant with financial institutions regulations.

ODP delivers a software development workflow with continuous legal, security, quality scanning.

For more information, visit odp.finos.org and join the next ODP project meeting.
The Five Stages of Community Engagement

**Evaluate**
What the Foundation offers the FinServ developer

**Consume**
The Foundation’s open source software and open standards

**Participate**
In existing projects, Special Interest Groups (SIGs) or Events hosted by the Foundation

**Contribute**
A new project to the Foundation

**Lead**
An open source software or open standards project, or a Special Interest Group (SIG)

Value increases with deeper engagement. Engagement with FINOS projects is an iterative process.
The Open Fintech Landscape

The FINOS landscape highlights our many projects solving challenges across the financial services industry.

Check back regularly as we continue to map the open fintech landscape.

Visit landscape.finops.org

Contribute github.com/finos/finos-landscape
FINOS Software Projects - a sample

**DATA VISUALIZATION**
- **Perspective** 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 organization’s technology landscape. Think of it like a structured Wiki for your architecture.

**DATA MODELING**
- **Legend** is a data modeling language and visual modeling environment contributed to FINOS by Goldman Sachs.
- **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**
- The **Cloud Service Certification** project, contributed by JPMorgan, is following an open, code-first, collaborative process to mutualize - among FIs and vendors - the cost of cloud control interpretation and implementation.

**INTEROPERABILITY**
- **FDC3** is an open standard that enables plug-and-play interoperability on the financial desktop.
- **Plexus Interop** aims to define an open standard for desktop application interoperability and provides reference implementation of this standard.

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Check out the full list of FINOS projects on the FINOS Landscape

Contribute to our Github organization

Get in touch with the Community through our mailing lists
Why projects choose FINOS vs going it alone

**Technical Infrastructure**

Technical Infrastructure & Tooling. FINOS handles not only Github/Gitlab set-up and maintenance but also provides CI/CD tooling (the Open Developer Platform) to accelerate compliant, secure developer commits and pull requests.

Security Scanning. FINOS uses WhiteSource integration to scan repositories for CVEs coming from third-party dependencies, via GitHub Issues or via email.

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 30 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.

Product Management and Marketing Support. FINOS supports programs 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.

**Legal & Governance**

Neutrality. FINOS provides a neutral home and governance for industry standards and open source projects.

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.

Governance. FINOS provides, monitors, and helps (gently) enforce “rules of the road” to foster community, promote contribution, and encourage meritocratic development based on quantity and quality of pull requests, not who shouts the loudest.
2020 Q3 was our busiest quarter ever!

Our open source project landscape continued to grow...

4 new projects incubating in Q3
2 new SIGs (DevOps and Reg)
62% new projects contributed by FSI in 2020
Steady social and web growth
Launched FINOS Community repository
Web and Github update to reflect new governance and Associate Membership

Community Spotlight recognizes community contributors (4 editions so far) in newsletter
Virtual Meetups over 1000+ registered/attended in 2020 (see archive)
FINOS Podcast Steady increase in plays week on week
OSR Guest Speakers & All Community Calls continue to attract new participants

Press Releases promoted new contributions and chair/co-chair; Legend launch (scheduled)
OSSF launched with LF including LF keynote press release, FINOS and LF promotion.
OSS EU - FINOS Mini Summit scheduled leveraging LF events and network
Interviews & presentations for FINOS to speak, including Financial Inclusion & ESG

... and we kept open source in financial services in the news
## The Value of FINOS and LF Joining Forces

### Members

**Growth**
The Linux Foundation mission is supported by over 1500 corporate Members, many of which come from or serve the financial services industry. FINOS will be closely working with The Linux Foundation to grow the Membership base amongst global financial services firms and technology vendors.

**Synergy and Focus**
Additionally over 75% of current FINOS funding comes from firms already Member of the Linux Foundation, hence we’ll be able to identify synergies in terms of internal focus and budget in most of our current Members.

### Projects

**New Projects**
As the Financial Services vertical of the Linux Foundation, FINOS will be involved in several opportunities for new industry projects that are currently hosted or prospectively looking to be contributed by the Linux Foundation. More to come soon!

**Existing Projects**
Existing projects from FINOS will gain broader visibility and will have a chance to more closely collaborate on a standard governance basis with upstream projects in the Linux Foundation, e.g. Electron, Node.js, Kubernetes and Hyperledger.

### Community

**Consolidation**
Being the sole umbrella for Open Source in financial services reduces Community fragmentation and allows the whole industry to collaborate on common projects and unified governance.

**Cross-Pollination**
The Linux Foundation engages with hundreds of thousands of open source savvy developers worldwide: this will bring new contributors to FINOS and support the mission of cross-pollinating the financial services industry with the “open source way”.

### Supporting Services

**Training and Certification**
FINOS Members will be able to tap into dozens of existing courses on open source and technology. Also FINOS will be able to stand up technology / people certification programs.

**Event Management**
The Linux Foundation has a stellar event management team which will be organizing Open Source Strategy Forum moving forward and will merge their Fintech event with it.

**OSS Readiness & Infra**
FINOS will be able to leverage a battle-tested open source collaboration infrastructure as well as join forces with Open Source Readiness existing efforts like the TODO group and OpenChain.

**Community Engagement**
The Linux Foundation offers an advanced platform and several channels to grow community, including advanced analytics, project funding and mentorship programs.
How can you engage with FINOS?

**CONSUME**

- landscape.finos.org
- finos.org/knowledge-base
- www.finos.org/get-involved
- twitter.com/finosfoundation

**CONTRIBUTE**

- Issues/PRs to FINOS Projects
- A new idea or existing Project
- Integrated Your Technology in ODP
- Host an event with FINOS
- Join a Project meeting or Mailing list

**BECOME A MEMBER**

- Join our current Members
- Join the Governing Board
- Enjoy Membership Benefits
Membership benefits and tiers

Help us accelerate the growth of open source in Financial Services!
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:

- **Access and network**
  - Access the Financial Services developer and decision maker community

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

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

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

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

- **Governance & Legal**
  - Leverage FINOS governance and legal support enabling banks to safely collaborate in the open

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

- **Talent acquisition and retention**
  - Lead in the open source space, enabling your developers to participate in open source projects and attracting top talent

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

- **Embrace a modern development workflow**
  - Use and learn from the FINOS Open Developer Platform

For more information, see the [FINOS Member Benefits Guide](#)
## 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>
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</thead>
<tbody>
<tr>
<td><strong>FINOS Board Representation</strong></td>
<td>Meet and learn from leaders of finance and tech companies to drive the direction of the Foundation.</td>
<td>Dedicated seat on the Board, oversight over direction of the Foundation.</td>
<td>Participate in elections for up to 5 board seats (2 year position)</td>
<td>Participate in elections for up to 1 board seat (2 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></td>
<td></td>
<td>Relevant achievements highlighted in newsletter.</td>
<td>Relevant achievements highlighted in newsletter.</td>
<td>Relevant achievements highlighted in newsletter.</td>
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<tr>
<td></td>
<td></td>
<td>Blog posts welcome (subject to FINOS approval)</td>
<td>Blog posts welcome (subject to FINOS approval)</td>
<td>Blog posts welcome (subject to FINOS approval)</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>

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<table>
<thead>
<tr>
<th>Member Benefits: Events</th>
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<tbody>
<tr>
<td><strong>MEMBER BENEFITS</strong></td>
</tr>
<tr>
<td><strong>PLATINUM</strong></td>
</tr>
<tr>
<td><strong>GOLD</strong></td>
</tr>
<tr>
<td><strong>SILVER</strong></td>
</tr>
<tr>
<td><strong>NON-MEMBER</strong></td>
</tr>
<tr>
<td><strong>Members meeting</strong></td>
</tr>
<tr>
<td>Bring members together to openly discuss existing projects and new opportunities.</td>
</tr>
<tr>
<td>Preference given to speaking requests</td>
</tr>
<tr>
<td><strong>Open Source Strategy Forum (OSSF)</strong></td>
</tr>
<tr>
<td>Preference given to speaking requests</td>
</tr>
<tr>
<td><strong>Meetups</strong></td>
</tr>
<tr>
<td>Frequent, interactive, community focused events on industry relevant topics</td>
</tr>
<tr>
<td>Co-hosting &amp; presenting opportunities</td>
</tr>
<tr>
<td><strong>Webinars</strong></td>
</tr>
<tr>
<td>Anyone can attend but members can co-host and propose topics</td>
</tr>
<tr>
<td>Co-host and present</td>
</tr>
<tr>
<td><strong>Industry Events</strong></td>
</tr>
<tr>
<td>Participate in interactive discussions with FINOS at industry events</td>
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## 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><strong>Open Source Readiness (OSR)</strong>&lt;br&gt;Access a variety of open source tools and benefit from our team’s deep experience with open source in regulated industries</td>
<td>Bespoke readiness assessment report &amp; peer benchmark</td>
<td>Bespoke readiness assessment report</td>
<td>Automated readiness assessment report</td>
<td>Automated readiness assessment report</td>
</tr>
<tr>
<td></td>
<td>Dedicated time with our OSR lead (5 hours)</td>
<td>Dedicated time with our OSR lead (2 hours)</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>CCLA execution assistance (unlimited)</td>
<td>CCLA execution assistance (2 hours)</td>
<td>CCLA execution assistance (By exception)</td>
<td>None</td>
</tr>
<tr>
<td><strong>Project formation &amp; pilot support</strong>&lt;br&gt;We help our Members successfully identify, nurture and pilot open source projects</td>
<td>Bespoke OS project feasibility/viability assessment</td>
<td>None</td>
<td>None</td>
<td>None</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>&lt;br&gt;Leverage our member success team to identify opportunities and make the most of your membership</td>
<td>Bespoke member status reports (quarterly)</td>
<td>Bespoke member status reports (semi-annually)</td>
<td>Bespoke member status reports (annually)</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>Member success meetings (quarterly)</td>
<td>Member success meetings (semi-annually)</td>
<td>Member success meetings (annually)</td>
<td>None</td>
</tr>
<tr>
<td><strong>Member Events</strong>&lt;br&gt;FINOS presentations or stands at your events - from team meetings to internal conferences</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>
</tbody>
</table>
LF Member Benefits

All FINOS members must also become members of the Linux Foundation at any tier (more information here) Below are some of the benefits your organization can take advantage of by being an LF member:

**LEGAL**

**Conferences.** Join exclusive legal conferences to discuss and help shape the industry’s OS legal strategy, including our annual Legal Summit, 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.

Email legal@linuxfoundation.org to get signed up.

**REACH**

Explore cross-project synergies with FINOS’ sister foundations under the LF.

- **OS best practices & common tooling:** todogroup.org
- **OS community development:** communitybridge.org
- **OS compliance:** openchainproject.org
- **OS components, licenses and copyright:** spdx.dev
- **DLT in Capital Markets:** wiki.hyperledger.org
- **Cloud:** cnf.io
- **Climate Finance:** LF Climate Finance Foundation

Email help@finos.org to request information and introductions

**TRAINING & EVENTS**

**Training.** Access discounted LF Training & Certification offerings. Check out the LF Course Catalog.

Use the quote tool to obtain your discounts.

**Events.** All LF members are eligible to receive a 20% discount off any event registration fee for many Linux Foundation events. Visit events.linuxfoundation.org for the LF’s events offerings.

Email events@linuxfoundation.org to request the LF Member discount code.

For more information, see the Linux Foundation Member Benefits
Our 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
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

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

FINOS also has an INDIVIDUAL SUPPORTER membership tier, reserved for individuals who significantly contributed to Foundation projects, and emeriti who contributed to shaping FINOS with their thought leadership.
Ready to join the FINOS family?

Complete our Membership Agreement and send to membership@finos.org

For more information on Membership, contact us at https://www.finos.org/become-a-member