



# **Annual Report**

# Contents

<b>A Note From Our President</b>	<b>2</b>	Increasing Developer Productivity	22
<b>Board Members</b>	<b>3</b>	Apache Local Community	23
<b>Officers</b>	<b>4</b>	Google Summer of Code	23
<b>Corporate Officers</b>	<b>4</b>	ASF Working Groups	23
<b>ASF Sponsors</b>	<b>6</b>	New Services for Sustainable Communities	24
<b>Targeted Sponsors</b>	<b>8</b>	ASF Projects In the Attic	24
<b>ASF Members</b>	<b>9</b>	<b>Everything Open,</b>	
<b>FY24 At-A-Glance</b>	<b>15</b>	<b>Everyone Welcome</b>	<b>24</b>
<b>Software The World Relies On</b>	<b>16</b>	ASF Incubating Podlings	24
The Future of Open Source	16	ASF Diversity, Equity, and Inclusion	24
Open Source and Generative AI	17	First Contribution Campaign	25
Open Source Security and Vulnerability Reporting	17	Community Over Code	25
Software for the Public Good	18	<b>FY2024 Financial Statement</b>	<b>27</b>
ASF Top-Level Projects	19	Profit and Loss	28
<b>Communities That Endure</b>	<b>22</b>	Balance Sheet	29
Project Spotlights	22		

# A Note From Our President

By David Nalley

If I had to give a theme to FY24 at the Apache Software Foundation (ASF), it would be “adapting and evolving.” This past fiscal year, the technology industry has faced changes with forthcoming government regulations for open source, and disruptive technologies like generative AI. The European Union's Cyber Resilience Act (CRA) will require significant adjustments within the open source software ecosystem to meet new cybersecurity standards. Meanwhile, generative AI – while holding the promise to automate code creation and offer novel solutions – raises concerns about code originality and licensing in open source projects.

These changes highlight the need for the ASF and other leading open source organizations to stay vigilant and responsive to market demands. As the ASF celebrated its 25th anniversary on March 25, 2024, I'm reminded of the Foundation's commitment to provide software for the public good. Looking ahead, it is critically important to preserve ASF's open source stewardship model to ensure the protection of public good software in perpetuity, and we will continue to uphold open source values through our legal, public policy, and security efforts.

**Building software the world relies on doesn't happen overnight.** For 25 years, ASF projects have served the public

good with use cases such as fueling cancer research, aiding in clean energy research, and reducing food waste. The Public Good campaign we launched in FY24 spotlights the ways in which ASF projects help realize the ASF's mission of delivering software for the public good. And with over 300 projects hosted at the ASF, the Project Spotlight series enables ASF projects to showcase their technology and use cases to encourage more participants, inspire other innovations, and gain users.

**Community first and foremost.** Open source projects need healthy communities to thrive, so it is critical we take a community-first mindset in everything we do. In FY24, we welcomed 7 new projects to the Incubator, 5 projects graduated to TLP status, and 4 projects were added to the Attic. Marketing is a vital part of a community's longevity, so this year we also delivered documentation to help projects maximize Marketing & Publicity support.

**Fostering an open and welcoming environment is core to open source development.** The ASF fosters a welcoming and open environment built on respect, empathy, openness, patience, candor, and dependability. The 2023 State of Diversity and Inclusion in the ASF Community report demonstrated that people feel welcome and included, and that they have an equal chance of getting their contributions accepted. Our First Contribution campaign celebrates all contributions that have a positive impact on a project's health and longevity. In FY24 we showcased individuals who

contributed marketing, website design, social media services, bug fixes, technical documentation, and code to ASF projects. We also updated Apache.org's site navigation to ensure information and resources were more easily accessible to anyone visiting our site.

I am proud to be part of an organization that has proven its ability to evolve while also remaining steadfast in its mission: to provide open source software for the public good. With support from our volunteer board members, officers, and sponsors, I look forward to the next 25 years of ASF's work as a steward of open source software for the public good. Happy birthday, ASF!

## Board Members

The membership of the ASF elects a nine-member board to run the foundation, set policy, and ensure it is carried out. The directors of the board are:

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Rich Bowen

---

Shane Curcuru

---

Christofer Dutz

---

Willem Ning Jiang

---

Jeff Jirsa

---

Justin Mclean

---

Jean-Baptiste Onofré

---

Craig L Russell

---

Sander Striker

---

## Officers

The Board has appointed the following officers of the ASF:

Office	Individual
Board Chair	Shane Curcuru
Vice Chair	Justin Mclean
President	David Nalley
Exec. V.P	Ruth Suehle
Treasurer	Craig McClanahan
Assistant Treasurer	Roberto Galoppini
Secretary	Matt Sicker
Assistant Secretary	Craig L Russell
V.P., Legal Affairs	Roman Shaposhnik
Assistant V.P., Legal Affairs	Justin Mclean
V.P., Security	Mark J. Cox
V.P., W3C Relations	Andy Seaborne

## Corporate Officers

The President has appointed the following corporate officers of the ASF:

V.P., Brand Management	Mark Thomas
V.P., Conferences	Brian Proffitt
V.P., Data Privacy	Christian Grobmeier
V.P., Diversity and Inclusion	David Nalley (acting)
V.P., Fundraising	Bob Paulin
V.P., Sponsor Relations	Sally Khudairi
V.P., Infrastructure	Myrle Krantz
Infrastructure Administrator	Greg Stein
V.P., Marketing and Publicity	Brian Proffitt
V.P., Public Affairs	Dirk-Willem van Gulik
V.P., Travel Assistance	Gavin McDonald



# Apache Airflow

Genomic algorithms are highly demanding of CPU, RAM, and storage. The data engineering team at C2i Genomics uses Apache Airflow to enable high-scale orchestration of genomic algorithms for cancer research.

## ASF Sponsors

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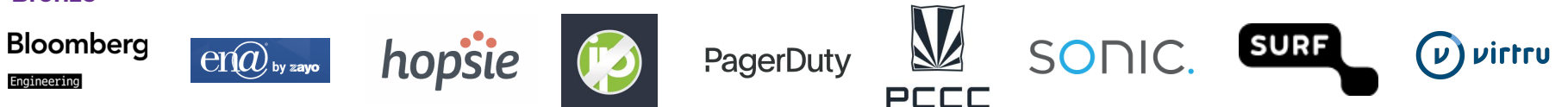
### Gold



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# ASF Members

As a 501(c)(3) membership corporation, ASF Members serve a similar role as shareholders do in publicly traded corporations.. In FY24, ASF elected 59 new members, bringing the total number of ASF Members to 1,105 (802 active members and 303 emeritus (non-voting) members).

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René Gielen  
Reto Gmür  
Reynold Xin  
Rich Bowen  
Richard Downer  
Richard Eckart de  
Castilho  
Richard Frovarp  
Richard Hirsch  
Richard McGuire  
Richard N. Hillegas  
Richard S. Hall  
Richard Zowalla  
Ricky Nguyen  
Rob Tompkins  
Rob Vesse  
Rob Weir  
Robbie Gemmell  
Robert Bradshaw  
Robert Burrell Donkin  
Robert Joseph Evans  
Robert Kowalski  
Robert Lazarski  
Robert Metzger  
Robert Muir  
Robert Munteanu  
Robert Newton  
Robert Scholte  
Roberto Galoppini  
Robin Anil  
Rodney Waldhoff  
Rodric Rabbah

Roger Lee Whitcomb  
Rohini Palaniswamy  
Rohit Yadav  
Roland Weber  
Romain Manni-Bucau  
Roman Shaposhnik  
Ron Grabowski  
Rony Flatscher  
Ross Gardler  
Ross Laidlaw  
Roy Lenferink  
Roy T. Fielding  
Ruben Q L  
Ruchith Udayanga  
Fernando  
Ruediger Pluem  
Rupert Westenthaler  
Ruth Suehle  
Ruwan Linton  
Ryan Bloom  
Ryan Blue  
Ryan Skraba

## S

Sally Khudairi  
Sam Ruby  
Sameer Parekh  
Sami Siren  
Sammi Chen  
Sander Striker  
Sander Temme  
Sandro Martini  
Sanjiva Weerawarana  
Santiago Gala  
Sascha Schumann  
Scott Boag  
Scott Carey  
Scott Deboy  
Scott Eade  
Scott Gray  
Scott Sanders  
Sean Busbey  
Sean Kelly  
Sean Palmer  
Sean R. Owen  
Sean Schofield

Sebastian Nagel  
Sebastian Rühl  
Sebastian Schelter  
Sebastien Goasguen  
Sebb  
Selvaratnam  
Uthaiyashankar  
Senaka Fernando  
Serge Huber  
Serge Knystautas  
Sergey Beryozkin  
Sergey Nuyanzin  
Sergio Fernández  
Shakeh Elisabeth  
Khudikyan  
Shane Curcuru  
Shao Feng Shi  
Sharad Agarwal  
Sharan Foga  
Shawn McKinney  
Shazron Abdullah  
Sheng Wu  
Sheryl John  
Shivaram  
Venkataraman  
Siddharth Seth  
Siddharth Wagle  
Sidney Markowitz  
Siegfried Goeschl  
Sijie Guo  
Simon Kitching  
Simon Laws  
Simon Nash  
Simon Pepping  
Simon Steiner  
Simon Willnauer  
Simone Gianni  
Simone Tripodi  
Siyuan Feng  
Srikanth Sundarajan  
Stamatis Zampetakis  
Stas Bekman  
Stefan Bodewig  
Stefan Eissing  
Stefan Fritsch  
Stefan Fuhrmann

Stefan Guggisberg  
Stefan Hett  
Stefan Seelmann  
Stefan Seifert  
Stefan Sperling  
Stefano Mazzocchi  
Stephan Ewen  
Stephane Bailliez  
Stephen Colebourne  
Stephen Connolly  
Stephen Mallette  
Stephen O'Neil Butler  
Sterling Hughes  
Steve Blackmon  
Steve Gill  
Steve Hay  
Steve Lawrence  
Steve Loughran  
Steven Noels  
Steven Rowe  
Stian Soiland-Reyes  
Sujen Shah  
Sun Chao  
Suneel Marthi  
Sunil G  
Supun  
Kamburugamuva  
Suresh Marru  
Susan Hinrichs  
Susan Wu  
Sven Meier  
Sven Vogel  
Swapnil Mane  
Sylvain Lebesne  
Sylvain Wallez

## T

T Jake Luciani  
Taher Alkhateeb  
Talat Uyarer  
Tammo van Lessen  
Ted Dunning  
Ted Husted  
Ted Leung  
Ted Liu  
Thamme Gowda

Thejas Nair  
Theo Schlossnagle  
Theo Van Dinter  
Thiago Henrique De  
Paula Figueiredo  
Thies Arntzen  
Thom May  
Thomas Andraschko  
Thomas Dudziak  
Thomas Fox  
Thomas Graves  
Thomas Mueller  
Thomas Neidhart  
Thomas Vandahl  
Thomas Weise  
Thomas White  
Thorsten Scherler  
Tianqi Chen  
Till Westmann  
Tilman Hausherr  
Tilmann Zäschke  
Tim Allison  
Tim Ellison  
Tim Williams  
Timothy Chen  
Tobias Bocanegra  
Todd Lipcon  
Tom Barber  
Tom Chiverton  
Tom Hobbs  
Tom Jordahl  
Tom Pappas  
Tomaž Muraus  
Tommaso Teofili  
Tony Finch  
Tony Stevenson  
Torsten Curdt  
Torsten Förtsch  
Travis Loren Pinney  
Trevor Grant  
Trustin Lee  
Tsz-wo Sze  
Tyler Bui-Palsulich

## U

Udo Schnurpfeil  
Ugo Cei  
Ulrich Stärk  
Uma Maheswara Rao G  
Upayavira  
Uwe Korn  
Uwe Schindler

## V

Vadim Gritsenko  
Val Mallder  
Venkat Ranganathan  
Venkatesh Seetharam  
Victor J. Orlikowski  
Vincent Hardy  
Vincent Massol  
Vincent Siveton  
Vinod Kumar Vavilapalli  
Violeta Georgieva  
Georgieva  
Volkan Yazici  
Volker Weber  
Von Gosling

## W

Wangda Tan  
Wei-Chiu Chuang  
Weiwei Yang  
Wendy Smoak  
Wenli Zhang  
Werner Punz  
Wes McKinney  
Weston Pace  
Wido den Hollander  
Wilfred Spiegelenburg  
Wilfredo Sanchez  
Will Stevens  
Willem Ning Jiang  
William A. Rowe Jr.  
William Barker  
William Colen  
William Glass-Husain  
Woonsan Ko  
Wu Yue Hao

## X

Xiangdong Huang  
Xiangrui Meng  
Xiao-Feng Li  
Xiaoqiao He  
Xiaorui Wang  
Xin Wang  
Xinyu Zhou  
Xuefu Zhang

## Y

Yanhui Zhao  
Yann Ylavic  
Yegor Kozlov  
Yikun Jiang  
Yishay Weiss  
YiZhi Liu  
Yoav Shapira  
Yonglun Zhang  
Yonik Seeley  
Yoshiki Hayashi  
Yu Li  
Yu Xiao

## Z

Zaheda Borat  
Zhankun Tang  
Zhaohui Feng  
Zhe Zhang  
Zhenxu Ke  
Zhijie Shen  
Zhiyuan  
Zili Chen  
Zoe Slattery  
Zoran Regvart



# Apache Superset

The City of Ann Arbor in Michigan uses Apache Superset to deliver high-quality data reporting for its public-facing dashboards including rain gauges, air quality, and traffic crash reporting – saving the city 94% in costs.



## FY24 At-A-Glance





# Software The World Relies On

For 25 years, the ASF has led innovation in open source, pioneering industry standards including licensing and security to deliver software the world relies on – all powered by communities steeped in the Apache Way.

The Foundation is committed to preserving open source ideals through education, community, and policy – with independence as a core value.

## The Future of Open Source

The open source software ecosystem is approaching a critical juncture, as cybersecurity becomes a central topic for governments around the world. The European Union's Cyber Resilience Act (CRA) introduced rules on how software should be developed, tested, audited, and supported to ensure more secure software. Because open source software underpins today's global digital infrastructure, this has a profound impact on many actors in the open source software ecosystem.

### White House RFI

The ASF submitted a response in November 2023 to the White House Office of the National Cyber Director (ONCD) Request for Information (RFI) on "Open-Source Software Security and Memory Safe Programming Languages." The

ASF VP of Public Affairs collaborated with Foundation staff and ASF Members to offer considerable advice to policy makers of the EU working on acts and directives such as the CRA. Our work will continue in the next fiscal year as we work with various groups to help define open source security best practices.

## Read The ASF Response to "Open Source Software Security: Areas of Long-Term Focus and Prioritization"

### Open Regulatory Compliance Working Group

In April 2024, the ASF, Blender Foundation, OpenSSL Software Foundation, PHP Foundation, Python Software Foundation, Rust Foundation, and Eclipse Foundation jointly announced a collaborative effort to establish common specifications for secure software development based on existing open source best practices. The [Open Regulatory Compliance Working Group](#) now has 16 members collaborating to address the multifaceted challenges of cybersecurity in the open source ecosystem, and to demonstrate our collective commitment to cooperation with and implementation of the CRA.

## Read “Open Source Community Unites To Build CRA-Compliant Cybersecurity Processes”

### Open Source and Generative AI

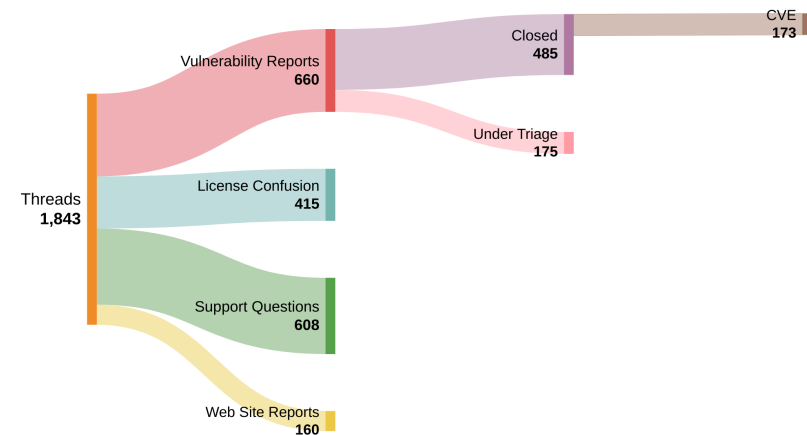
As the use of artificial intelligence (AI) becomes more prolific, the ASF Legal committee created [documentation](#) to provide the ASF and its open source communities with guidance on how to navigate usage. Questions like, “Can contributions to ASF projects include AI generated content?” and “The tool we want to use may rely on other tools. What terms of use do we need to consider when following this guidance?” among others are addressed in an effort to support ASF contributors as generative AI becomes more widely used.

### Open Source Security and Vulnerability Reporting

ASF projects are highly diverse and independent. They have different languages, communities, management, and security models. However, one of the things every project has in common is a consistent process for how reported security issues are handled.

The ASF Security Committee oversees and coordinates the initial triage, handling, and process around vulnerabilities across all of the 320+ ASF projects handling more than 65 incoming emails a day. This responsible oversight is a principle of the Apache Way and helps ensure ASF software is stable and can be trusted. More metrics, including noteworthy vulnerabilities and events, are available in the [2023 ASF Security Report](#).

#### Emails



Over the course of FY24, the ASF Security Committee received over 32,000 emails. After spam filtering and thread grouping, this became 1,645 non-spam threads and included:

- **Apache License Confusion:** A total of 427 threads (26%) originated from individuals encountering confusion regarding the presence of the Apache

License on their devices, such as the majority of the Android OS.

- **Support and Dependency Questions:** A total of 335 (20%) threads were support-related inquiries and questions concerning dependencies.
- **Website and Infrastructure Issues:** A subset of 151 threads (9%) highlighted issues affecting our infrastructure, mostly pertaining to websites. The majority of these reports were deemed invalid, encompassing instances of open directory listings, public source code, SPF email issues, and similar matters.

### Vulnerability Reports

The ASF Security Committee received 732 reports regarding potential vulnerabilities spanning 139 top-level ASF projects, a 15% increase from FY23. In total, 241 CVE names were issued, a 12% increase from FY23.

While it is not uncommon for lower-severity issues to take some time before being incorporated into new releases, the overall number of open issues remains high. At the beginning of FY24 we had 173 open issues across 62 projects, with a median age of 69 days. However, by the end of FY24, the number of open issues had increased to 191 across 68 projects, with a median age of 75 days. The committee is working on defining escalation steps for PMCs that do not provide timely response to security issues.

Several vulnerabilities in ASF projects were added this year to the CISA Known Exploited Vulnerabilities (KEV) catalog.

These are vulnerabilities that are generally confirmed severe or exploited, mostly which can lead to remote code execution. In August 2023, CISA also released their “2022 Top Routinely Exploited Vulnerabilities,” mentioning malicious cyber actors continue to show high interest in Log4Shell. Although not affecting the ASF directly, the backdoor in the xz utility gained significant interest, and more can be read [here](#).

## Software for the Public Good

The ASF was founded with a mission to provide software for the public good. For 25 years the foundation has delivered reliable software that fuels innovation and powers organizations of all sizes - from small businesses to the most advanced data-driven enterprises.

From the flagship Apache HTTP project to more recent projects spanning AI/ML, big data, cloud computing, financial tech, geospatial, IoT, search, and more – ASF projects serve the public good with use cases such as fueling cancer research, aiding in clean energy research, and reducing food waste.

## ASF Top-Level Projects

In FY24, 5 ASF projects graduated from incubation and became Top-Level Projects (TLP).



Accumulo	Directory	Kafka	Pig	Thrift
ActiveMQ	DolphinScheduler	Karaf	Pinot	Tika
AGE	Doris	Kibble	Pivot	TinkerPop
Airavata	Drill	Knox	PLC4X	Tomcat
Airflow	Druid	Kudu	POI	TomEE
Allura	Dubbo	Kvrocks	Portable Runtime (APR)	Traffic Control
Ambari	ECharts	Kylin	Portals	Traffic Server
Ant	Empire-db	Kyuubi	Pulsar	TsFile
APISIX	EventMesh	Libcloud	Qpid	Turbine
Aries	Felix	Linkis	Ranger	TVM
Arrow	Fineract	Logging Services	Ratis	UIMA
AsterixDB	Flagon	Logo Development	RocketMQ	Unomi
Atlas	Flex	Lucene	Roller	VCL
Attic	Flink	Lucene.Net	Royale	Velocity
Avro	Fluo	MADlib	Rya	Web Services
Axis	FreeMarker	Mahout	Samza	Whimsy
Beam	Geode	ManifoldCF	Santuario	Wicket
Bigtop	Geronimo	Maven	SDAP	Xalan
BookKeeper	Gobbler	Mesos	SeaTunnel	Xerces
Brooklyn	Gora	MINA	Sedona	XML Graphics
bRPC	Griffin	Mnemonic	Serf	Yetus
BuildStream	Groovy	MyFaces	ServiceComb	YuniKorn
BVal	Guacamole	Mynewt	ServiceMix	Zeppelin
Calcite	Gump	NetBeans	ShardingSphere	ZooKeeper
Camel	Hadoop	NiFi	ShenYu	
CarbonData	HBase	Nutch	Shiro	
Cassandra	Helix	NuttX	SINGA	
Causeway	Hive	OFBiz	SIS	
Cayenne	Hop	Olingo	SkyWalking	
Celeborn	HTTP Server	Oozie	Sling	
Celix	HttpComponents	OpenDAL	Solr	
CloudStack	Hudi	OpenJPA	SpamAssassin	
Cocoon	Iceberg	OpenMeetings	Spark	
Commons	Ignite	OpenNLP	Steve	
Community Development	Impala	OpenOffice	Storm	
Cordova	Incubator	OpenWebBeans	StreamPipes	
CouchDB	InLong	OpenWhisk	Streams	
Creadur	IoTDB	ORC	Struts	
cTAKES	Jackrabbit	Ozone	Subversion	
Curator	James	Paimon	Superset	
CXF	jclouds	Parquet	Synapse	
Daffodil	Jena	PDFBox	Syncopé	
DataFu	JMeter	Pekko	SystemDS	
DataSketches	Johnzon	Perl	Tapestry	
DB	JSPWiki	Petri	Tcl	
DeltaSpike	Juneau	Phoenix	Tez	

## Communities That Endure

Open source projects need healthy communities to thrive. The ASF provides projects with services and mentorship for building resilient and durable communities throughout their lifecycle. Neutrality is a cornerstone of Apache projects. The ASF ensures an even playing field for individuals to collaborate equitably.

### Project Spotlights

The ASF Project Spotlight blog series aims to shine a spotlight on the projects that help make the ASF community vibrant, diverse, and long lasting.



### Increasing Developer Productivity

In FY24, Gradle became an ASF targeted sponsor, enabling ASF open source projects to access [Develocity](#) (formerly Gradle Enterprise) as part of ASF's infrastructure service. Develocity aims to improve developer productivity and experience by providing build and test performance

acceleration, Build Scan and failure analytics technologies. ASF projects currently leveraging Develocity for weekly builds include Apache Beam, Apache Kafka, Apache Lucene, and Apache Pulsar. The live instance of Develocity running at ASF right now can be accessed [here](#).



# Apache Storm

CommonCrawl, a project powered by Apache Storm, publishes data freely and openly for the greater good. One part of the datasets is a collection of news archives produced by StormCrawler, an open source distributed web crawler under ASF license.

## Apache Local Community

There are currently 9 Apache Local Community (ALC) charters operating in 5 countries all over the world - India, China, Hungary, Nigeria, and Poland. Local groups composed of Apache (Open Source) enthusiasts, ALC charters help spread awareness and share information of ASF and its projects; host local events for the open source community; and unite project users and developers together to spur innovation. More details on ALC can be found at <https://s.apache.org/alcl>.

## Google Summer of Code



### Google Summer of Code

The ASF has been a Google Summer of Code (GSoC) mentor organization since 2022. GSoC is a mentorship program focused on welcoming new contributors into the community and helping them learn best practices with the hope that they will become long-term OSS contributors. For Google Summer of Code 2024, a total of 26 project proposals were accepted, mentored by 42 ASF mentors and 25 candidates completed their projects successfully. The ASF also participated in the GSoC Mentor Summit, which provides a forum to identify areas for improvement for future

mentorship engagements to ensure we are supporting and empowering students in the best possible way.

## ASF Working Groups

ASF working groups aim to organize and streamline community development efforts, enabling more impactful and focused contributions across various areas. Working group focus areas include PMC best practices, badging systems, web maintenance, local meetups and social media guidance. Working group volunteers take a collaborative approach to support the mission of the group and work with a project's PMC for transparency. Currently there are 7 working groups:

- wg-wg - Defining how working groups work, in general.
- wg-advisors - Advising PMCs on best practice
- wg-badging - Creation and maintenance of an accomplishment badging system
- wg-social - Orchestrating local gathering of Apache enthusiasts
- wg-social-media - Social media
- wg-website - Maintenance of the website
- wg-welcome - Helping projects, and the ASF in general, be more welcoming



## New Services for Sustainable Communities

In FY24 the ASF Data Privacy team updated the ASF privacy website to include documentation and resources to help ensure ASF project websites remain compliant to data privacy standards. The team also began work towards replacing Google Analytics with a self-hosted analytics tool, Matomo. In FY25, the Data Privacy team hopes to complete documentation needed for privacy audits and prepare more code and guides so that ASF projects and its committers can grow their communities with privacy guides.

## ASF Projects In the Attic

If an ASF project is no longer being supported by an active community, it's retired to the Apache Attic for preservation including code, mailing lists, and all other project communications in the event that those artifacts become useful again in the future. In FY24, 4 projects were added to the Attic: [Apache Any23](#), [Apache Giraph](#), [Apache MXNet](#), and [Apache OODT](#).

## Everything Open, Everyone Welcome

Transparency is the Apache Way. That's what makes ASF the most trusted home for sustaining open source projects. All projects are welcome and have an equal opportunity to succeed.

## ASF Incubating Podlings

Amoro	HugeGraph	Seata
Annotator	KIE	StormCrawler
Answer	Livy	StreamPark
Baremaps	Nemo	Teaclave
DevLake	NLPCraft	Toree
Fury	OpenServerless	Training
Gluten	OzHera	Uniffle
GraphAr	Pegasus	Wayang
Gravitino	Polaris	XTable
HertzBeat	Pony Mail	
HoraeDB	ResilientDB	

## ASF Diversity, Equity, and Inclusion

Diverse OSS communities benefit from a range of backgrounds, qualifications, and perspectives, resulting in more innovative software products and greater social equity. In ASF DEI set out to conduct research that could better

assess the evolution of the state of DEI in OSS. ASF hired a team from Bitergia and the Oregon State University to conduct two cross-sectional surveys, the first in 2020 and the second in 2022, to assess the state of DEI in ASF projects, including the difference in contributors' perspectives and engagement over time. In FY24, the results of this research were released. You can read more [here](#).



“Our mission is to build equity in our community by developing tools and frameworks to foster inclusion and increase diversity in all phases of Apache projects. We are guided by the values of respect, empathy, openness, patience, candor & dependability.”

— [ASF Diversity and Inclusion]

## First Contribution Campaign

ASF projects are driven by the enthusiasm and expertise of a global community collaborating on hundreds of projects. Across the ASF, thousands of people make contributions to

projects every month. **Contributions are not just about code.** We all start somewhere – contributing docs, marketing, translations, mentorship, running or participating in events, etc. – and all forms of contributions can have an equal, positive impact on a project's health and longevity. In an attempt to help tell the stories of how ASF contributors get started in open source, we launched a campaign on the Apache.org blog and social media channels called #FirstASFContribution. And for projects that have invested time, resources, and energy to make onboarding a welcoming and enjoyable experience, we also wanted to showcase their best practices as part of this campaign. Here's a look at some of the stories we helped tell in FY24.

- [Women Contributors in the Spotlight](#)
- [3 ways to contribute to open source \(that don't involve coding\)](#)
- [Apache Airflow Attracts First-Time Contributors](#)
- [Write Your Way into the Open Source Community](#)
- [First-Time Contributors Enhance Code for ASF Projects](#)
- [First-Time ASF Contributors Improve Technical Documentation for ASF Projects and Its Users](#)
- [First-Time ASF Contributors Fix Bugs for ASF Projects, Improving OSS Quality, Security, and Usability](#)

## Community Over Code

For more than 25 years, Community Over Code (formerly known as ApacheCon) has united the ASF community and

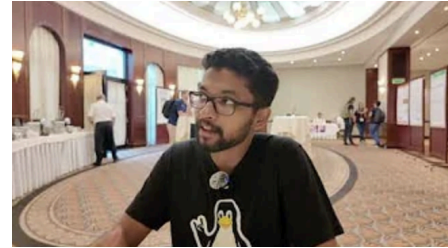
its open source contributors while providing a forum for discussion, learning and networking. Community Over Code is held two times a year with events held in North America and Asia. The event aims to be an inclusive and collaborative meeting ground for all members of the ASF ecosystem – from technical contributors like developers and engineers to open source community members who contribute their expertise in marketing, security, public policy, community development, documentation, and much more. Attendees from 23 nations came to our Halifax event, and nearly 500 people came to our 2023 Community Over Code conference in China.

### Travel Assistance Committee

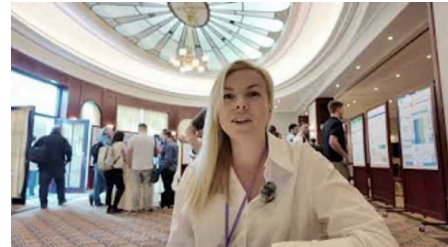
The ASF Travel Assistance Committee (TAC) was created to provide financial aid to members of the open source community who would otherwise be unable to attend one of our events. The ASF TAC funds aim to help cover transportation, hotel accommodations, and conference fees for anyone facing a financial barrier to attending one of our Community Over Code events.

In FY24, the TAC highlights include:

- 7 recipients
- Residents of USA, Germany, Sweden, Spain, South Africa
- \$12,757.24 granted



**APISIX - Navendu Pottekkat**



**Ivet Petrova Madzharova, Apache Cloudstack PMC member**



**Brian Proffitt - VP Marketing & Press at the Apache Software Foundation**



**Kanchana Welagedara - 20 years at Apache**



# Apache IoTDB

In 2022, Deutsche Bahn started a multi-year project, BZ-NEA, to migrate backup power sources from fossil fuels to fuel cells, an energy efficient and carbon neutral alternative. IoTDB enables Deutsche Bahn to monitor and manage its railway infrastructure systems while meeting Germany's security regulations for any software that is used in critical infrastructure.

# FY2024 Financial Statement

By Craig McClanahan

## Profit and Loss

Revenue	2022/2023	2023/2024
Event Sponsorship	\$259,500.00	\$258,699.39
Event Registration	\$73,097.00	\$56,637.49
Public Donations	\$134,567.00	\$125,316.76
Sponsorship Program	\$1,827,228.00	\$1,938,748.25
<b>Total Revenue</b>	<b>\$2,294,392.00</b>	<b>\$2,379,401.89</b>

Expenses	2022/2023	2023/2024
General & Admin	\$98,841.00	\$127,244.20
Brand Management	\$0.00	\$99.80
Community Development	\$0.00	\$6,720.66
Conferences	\$182,338.00	\$195,834.17
Fundraising	\$108,325.00	\$108,315.00
Infrastructure	\$1,395,207.00	\$1,477,350.17
Publicity	\$153,969.00	\$183,298.20
Treasury Services	\$35,070.00	\$46,146.15
Travel Assistance	\$54,384.00	\$10,237.11
Government Affairs	\$0.00	\$5,038.65

Security Team	\$0.00	\$391.14
Bad Debt Expense	\$0.00	\$2,000.00
<b>Total Expenses</b>	<b>\$2,028,134.00</b>	<b>\$2,162,675.25</b>
<b>Net Operating Revenue</b>	<b>\$266,258.00</b>	<b>\$216,726.64</b>

Other Revenue	2022/2023	2023/2024
Interest Inc/ Foreign Exch	\$308.00	-\$696.46
Operating Reserve Interest	\$48,489.00	\$40,699.39
Oper Res Unrealized Gain	\$0.00	\$56,414.43
<b>Total Other Revenue</b>	<b>\$54,458.00</b>	<b>\$96,417.36</b>

Other Expenditures	2022/2023	2023/2024
Oper Res Unrealized Loss	\$19,415.00	\$23,639.27
Foreign Exchange Expense	\$91.00	\$0.00
<b>Total Other Expenditures</b>	<b>\$19,506.00</b>	<b>\$23,639.27</b>
<b>Net Other Rev/Exp</b>	<b>\$34,952.00</b>	<b>\$72,778.09</b>

<b>Net Income</b>	<b>\$301,210.00</b>	<b>\$289,504.73</b>
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## Balance Sheet

Assets	2022/2023	2023/2024
Cash and Equivalents	\$2,706,674.00	\$2,522,091.00
Other Current Assets	\$73,942.00	\$54,196.00
<b>Total Current Assets</b>	<b>\$2,780,616.00</b>	<b>\$2,576,287.00</b>
Accounts Receivable	\$503,000.00	\$497,845.00
Operating Reserve Basis	\$2,000,100.00	\$2,000,100.00
Unrealized Gain/Loss	-\$35,896.00	\$27,255.00
<b>Total Operating Reserve</b>	<b>\$1,964,204.00</b>	<b>\$2,027,355.00</b>
Prepaid Expenses	\$0.00	\$1,195.00
Contributed Services	\$0.00	\$72,916.00
<b>Total Other Assets</b>	<b>\$0.00</b>	<b>\$74,111.00</b>
<b>Total Assets</b>	<b>\$5,247,821.00</b>	<b>\$5,175,601.00</b>

Liabilities	2022/2023	2023/2024
Accounts Payable	\$16,680.00	\$304.00
Short Term Debt	\$8,046.00	\$7,540.00
Deferred Revenue	\$1,217,640.00	\$784,975.00
Conditional Gift	\$500,000.00	\$500,000.00
Restricted Donations	\$66,545.00	\$127,566.00
<b>Total Liabilities</b>	<b>\$1,811,913.00</b>	<b>\$1,462,052.00</b>

Equity	2022/2023	2023/2024
Opening Balance Equity	\$1,570,838.00	\$1,570,838.00
Retained Earnings	\$1,563,865.00	\$1,853,205.00
Net Revenue	\$301,204.00	\$289,504.00
<b>Total Equity</b>	<b>\$3,435,908.00</b>	<b>\$3,713,548.00</b>

<b>Total Liability &amp; Equity</b>	<b>\$5,247,821.00</b>	<b>\$5,175,601.00</b>
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Founded in 1999, the Apache Software Foundation exists to provide software for the public good with support from more than 75 sponsors. ASF's open source software is used ubiquitously around the world with more than 8,400 committers contributing to 320+ active projects, including Apache Superset, Apache Camel, Apache Flink, Apache HTTP Server, Apache Kafka, and Apache Airflow. The Foundation's open source projects and community practices are considered industry standards, including the widely adopted Apache License 2.0, the podling incubation process, and a consensus-driven decision model that enables projects to build strong communities and thrive.

## CONNECT

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