



2021–2022
Annual Report

In This Report

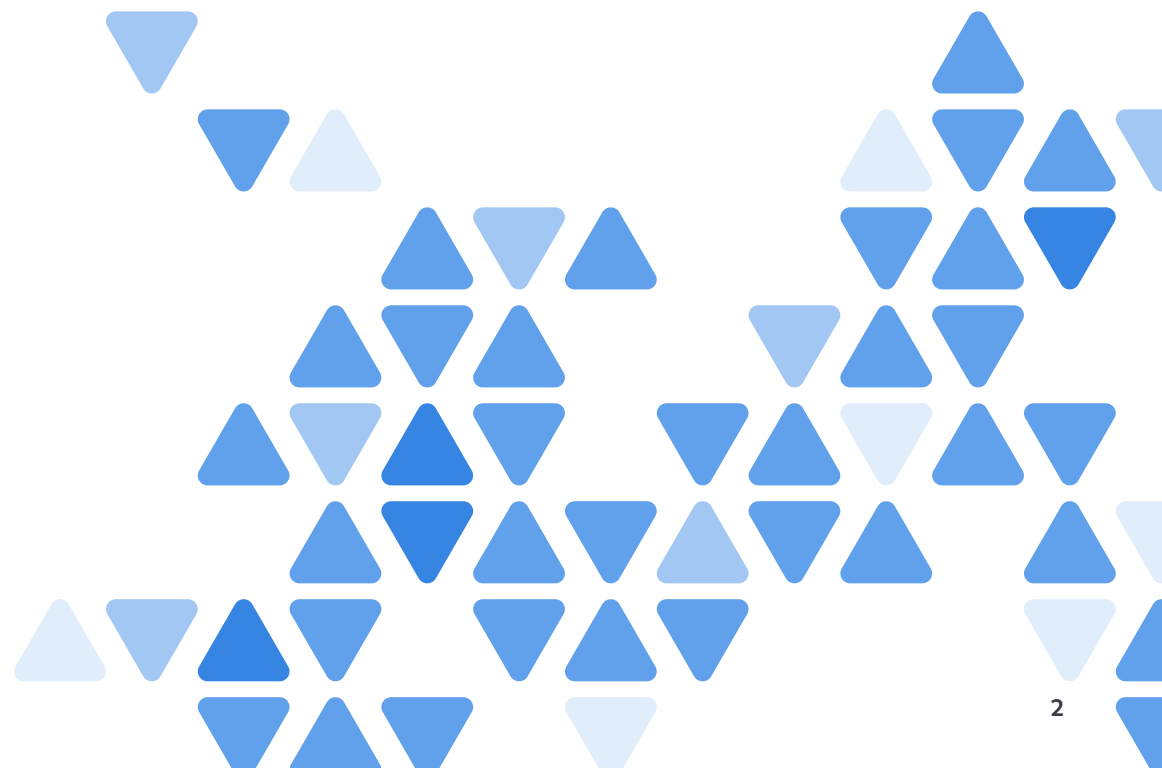
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- **Credits**

- Thank you to everyone involved in the making of this report! We appreciate the authors, editors, and organizers that helped highlight all the great work GNOME accomplished in the 2021–2022 fiscal year.

- **Our Mission**

- *The GNOME Foundation is a non-profit organization that believes in a world where everyone is empowered by technology they can trust. We do this by building a diverse and sustainable free software personal computing ecosystem.*



Letter From the Board



Robert McQueen

Board President

As the President of the GNOME Foundation Board, I am delighted to present the annual report summarizing the remarkable achievements and significant milestones of the past fiscal year. The GNOME community's unwavering dedication and passion for open source software continue to empower individuals and organizations worldwide.

Throughout this year, we have celebrated numerous notable accomplishments that further solidify GNOME's commitment to developing a diverse and sustainable desktop environment. Our community saw the release of two major versions, GNOME 42 and GNOME 43, each packed with exciting features and enhancements. These releases reflect the tireless efforts of our talented contributors who have continuously strived to deliver a superior user experience.

This year brought about a historic moment for the GNOME Foundation, hosting our annual conference, GUADEC, in Guadalajara, Mexico. For the first time ever, we expanded the reach of our largest conference beyond Europe, fostering global engagement. GUADEC in Guadalajara brought together diverse perspectives, facilitated knowledge sharing, and ignited a vibrant exchange of ideas.

Furthermore, GNOME celebrated a significant milestone during this fiscal year with the commemoration of our 25th anniversary. This remarkable occasion provided an opportunity for reflection on a quarter-century of collective achievements, growth, and evolution. We express our deepest appreciation to the countless individuals who have contributed to shaping GNOME into the exceptional community and open-source project it is today.

None of these achievements would have been possible without the unwavering support and tireless efforts of our dedicated members, contributors, and supporters. It is your collective passion, expertise, and commitment that drive the GNOME project forward, empowering users and fostering innovation in the open source ecosystem.

Looking ahead, we embrace the challenges and opportunities that lie before us. Our commitment remains steadfast in delivering a desktop environment that is accessible, intuitive, and inclusive to all. We will continue to foster collaboration and innovation throughout our vibrant community. Thank you to each and every one of you who has contributed to GNOME over the past year. Your dedication and enthusiasm continue to inspire us all. Together, we are shaping the future of open source software, paving the way for greater possibilities and advancements.

About GNOME

The GNOME Foundation is a non-profit organization dedicated to providing support to the GNOME project. With a mission to create an elegant, efficient, and user-friendly computing platform composed entirely of free software, the Foundation plays a pivotal role in shaping the future of open source software.

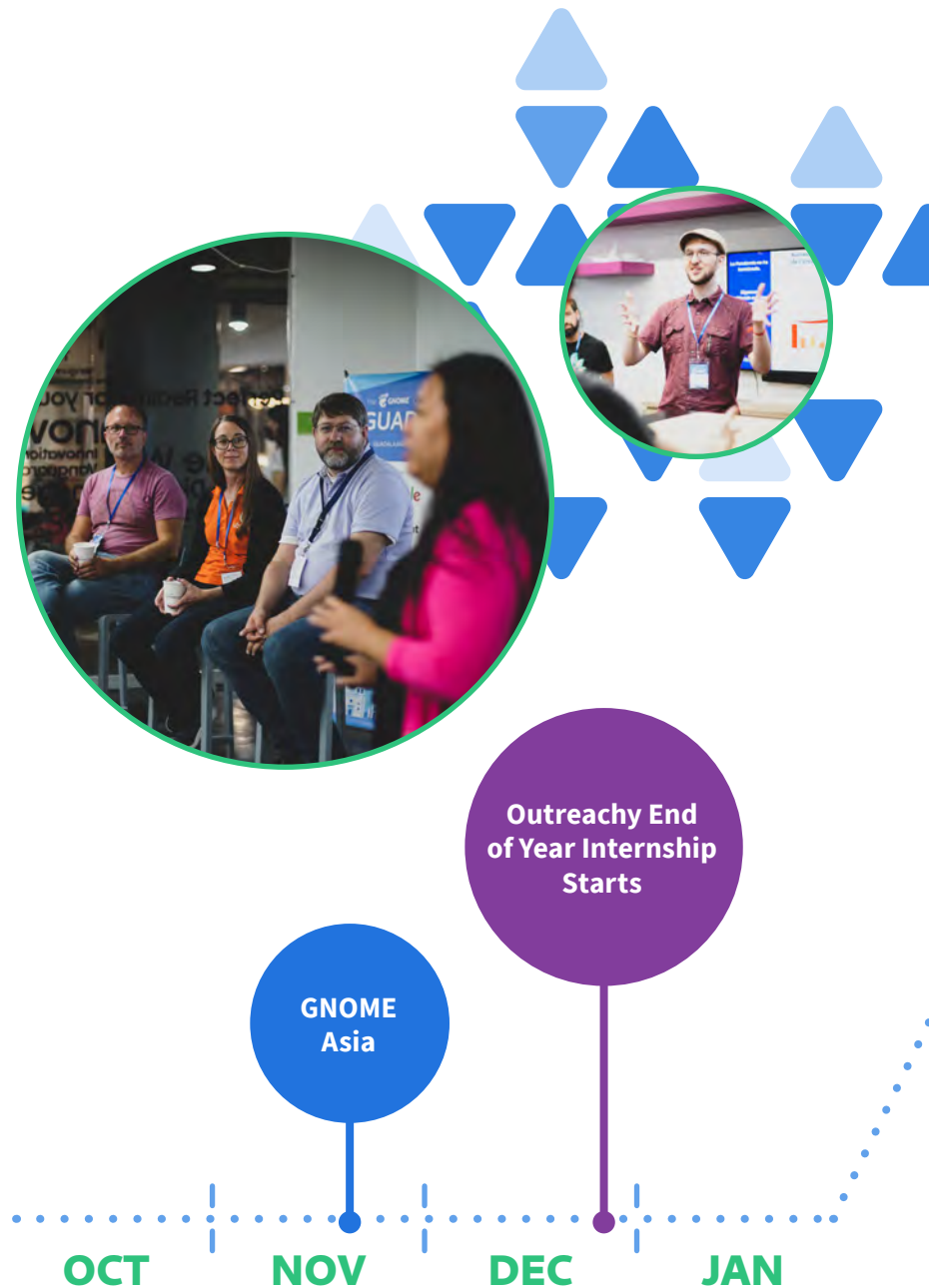
The Foundation supports the project through these core actions:

Official Voice and Communication: Serving as the official voice of GNOME, the Foundation facilitates and assists communication between the project and various stakeholders. It establishes effective channels to engage with the community, media outlets, and both commercial and noncommercial organizations interested in GNOME software. By fostering transparent and inclusive dialogue, the Foundation ensures that the project remains responsive to user feedback and community needs.

Infrastructure and Collaboration: To facilitate the technical development of the GNOME project, the Foundation provides essential infrastructure services, such as email communication, hosting servers, and collaboration software. These resources enable developers and contributors to collaborate seamlessly, fostering a vibrant and inclusive community that thrives on innovation and teamwork.

Education and Advocacy: The Foundation empowers the public to learn about GNOME and open source software. It produces comprehensive educational materials and documentation, providing accessible resources that encourage widespread adoption and understanding of our software. The Foundation actively promotes the use and development of GNOME software, advocating for its benefits, and the benefits of open source software as a whole, and encouraging collaboration with like-minded organizations.

Conferences and Community Building: The GNOME Foundation actively coordinates, sponsors, and collaborates on various GNOME conferences, including GUADEC, GNOME.Asia, and LinuxApp Summit. These events serve as crucial platforms for knowledge exchange, networking, and community building. Additionally, the Foundation represents GNOME at relevant conferences organized by other entities, promoting the project's values, achievements, and ongoing development efforts.



FEB

MAR

APR

MAY

JUNE

JULY

AUG

SEPT

GNOME 42 Release

Google Summer of Code Starts

GUADec

GNOME 43 Release

GNOME Foundation Board of Directors Election

25th Anniversary of GNOME

Linux App Summit

Google Season of Docs Starts

Outreachy Mid-Year Internship Starts



25 Years of GNOME



This year we celebrated the 25th anniversary of GNOME. We're proud to say that over the past quarter-century, GNOME has flourished from a two-person project into a diverse community of contributors from all over the world.

From the very beginning our goal was clear: to develop a free and complete set of user-friendly applications and tools, built entirely on free software. Today, we have grown into a strong open source project and a nonprofit Foundation,

dedicated to empowering users with technology they can trust.

Looking back, our journey has been filled with countless milestones and achievements. In 1999, the release of GNOME 1.0 marked a significant breakthrough, showcasing the power of our libraries and applications under open-source licenses. This laid the groundwork for the subsequent growth and development of the GNOME ecosystem.

In 2000, the establishment of the GNOME Foundation at the Linux World Expo in San Jose, California, propelled us into a new era of organizational, financial, and legal support. This paved the way for partnerships with leading companies, solidifying GNOME's position as a force in the open source community.

The release of GNOME 2.0 in 2002 was a game-changer, revolutionizing the user experience and boosting developer productivity. We introduced the



Human Interface Guidelines, ensuring a consistent and predictable interface for users. Moreover, our commitment to accessibility resulted in advanced features, making GNOME inclusive for users with disabilities. Following that with the launch of GNOME 3.0 in 2011, we unified the user experience and addressed emerging needs in modern computing.

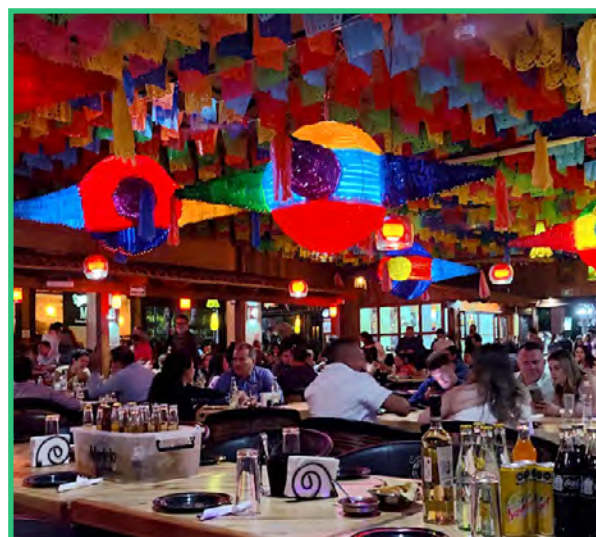
In 2016, our integration of Flatpak, a cutting-edge application framework for Linux, further elevated the GNOME experience. This breakthrough technology enabled secure, cross-distribution applications, expanding the possibilities for our users.

The year 2020 presented unprecedented challenges, but we adapted and persevered. The transition of GUADEC, our annual conference, to a fully remote event demonstrated our resilience and commitment to fostering community engagement. The launch of the GNOME Shop brought us closer to our supporters worldwide, providing them with access to exclusive merchandise and further strengthening our global GNOME community.

In March 2021, GNOME 40 marked a new chapter in our story, introducing a revised versioning scheme and revitalized release video style. This release showcased our continuous dedication to innovation and improvement.

Finally, in 2022, GUADEC expanded beyond Europe for the first time, taking place in Guadalajara, Mexico. It was during this momentous event that we celebrated the 25th anniversary of GNOME, surrounded by our incredible community. The festivities included an unforgettable party with a specially crafted cake, captivating mariachi performances, delightful food, and the support of the GNOME community.

As we reflect on the last 25 years, we are humbled by the progress we have made and the impact we have had on the open source ecosystem. The GNOME Foundation remains committed to our mission of building a diverse and sustainable free software personal computing ecosystem. We envision a world where everyone is empowered by technology they can trust, and we are grateful to our community for joining us on this remarkable journey. Here's to 25 years of GNOME, and many more to come!



Releases

GNOME is released twice a year, in March and in September. We have maintained this release cadence since 2002. A reliable schedule is an important aspect of a successful project. It keeps the project on track and helps teams (e.g. translators, documentation writers, designers, testers, developers) coordinate their work. Outside parties also rely on our release schedule as many major Linux distributions schedule their releases to align with ours.

The Release Team has been tasked by the GNOME Board with defining the contents of the release, setting and communicating the release schedule, coordinating with other teams that are involved in the release process, and making the actual releases.

The new versioning scheme has been well-established by now, and our two releases in 2022 followed it: GNOME 42 and GNOME 43 were released on schedule. The prominent features of GNOME 42 included a Dark Style preference and a redesigned screenshot UI. The GNOME 43 release introduced Quick Settings and a refreshed Files app.

Besides the major new releases, the release team has continued to provide regular, stable updates all the way through 41.8 and 42.9. A marked improvement in our build infrastructure is the introduction of OpenQA tests that help us to improve the quality of our releases. During last year's Guadec, we had a BOF about "App Criteria and Organization", and a new core app review process has been put into place.

We are continuing to follow our new versioning in the next year, with a GNOME 44 release in March of 2023 and GNOME 45 in September.



Infrastructure Review

The GNOME Infrastructure Team has made significant strides in the past year, demonstrating our commitment to excellence and innovation. Despite encountering several challenges, we successfully navigated them while implementing essential architectural designs. This article highlights our major achievements, minor accomplishments, and our plans for the future. We want to emphasize the importance of each milestone and commend the dedicated efforts put forth by our team.

Major Achievements

A list of each of the individual tasks and projects we were able to fulfill during 2022:

1. Architected, deployed, operated an Openshift 4 cluster that replaced our former OCP 3 installation. This required planning, testing and coordination with the community as well as migrating all our existing tenants from OCP 3 to OCP 4. A total of 46 tenants were migrated and/or created during these past 12 months.
2. Developed a brand new workflow moving away from Source-To-Image (s2i) and towards GitLab CI/CD pipelines.
3. Migrated from individual NSD based internal resolvers to FreeIPA's self managed BIND resolvers, this gave us the possibility to use APIs and other IPA's goodies to manage our internal DNS views.
4. For existing virtual machines we wanted to keep around, we leveraged the Openshift Virtualization operator which allows you to benefit from kubvirt's features and effectively run virtual machines from within an OCP cluster. That also includes support for VM templates and automatic bootstrapping of VMs out of existing PVCs and/or externally hosted ISO files.
5. We developed and deployed automation for handling Membership and Accounts related requests. The documentation has also been updated accordingly.
6. GitLab was migrated from a monolithic virtual machine to Openshift.

7. We introduced DKIM/SPF support for GNOME Foundation members.
8. We rebuilt all the VMs that were not retired due to the migration to OCP to RHEL 8
9. We successfully migrated away from our Puppet infrastructure to Ansible (and Ansible collections). This particular task is a major milestone, Puppet has been around the GNOME Infrastructure for more than 15 years.

The GNOME Infrastructure Team has demonstrated exceptional dedication and perseverance throughout the past year. Despite challenges, we have accomplished significant milestones, modernized our infrastructure, and improved security and efficiency. We extend our gratitude to our partners and the entire GNOME community for their continued support. As we look towards the future, we remain committed to pushing the boundaries of innovation, ensuring a robust and reliable infrastructure for the GNOME ecosystem.

Renewed Partnerships

In our pursuit of excellence, we are grateful for the ongoing support from our valued partners:

Red Hat: Generously sponsored subscriptions for RHEL, Ceph, Openshift, and AAP, enabling us to leverage their cutting-edge technologies.

Splunk: Doubled their sponsorship to provide a total of 10GB/day traffic.

AWS: Confirmed partnership with a \$5k USD credit, supporting our cloud infrastructure.

CDN77: Provided unlimited bandwidth and traffic on their CDN, optimizing content delivery for our users.

Fastly (upcoming partnership): Soon, we will benefit from their Traffic Load Balancing product, further improving our infrastructure's resilience.

Events



GUADEC 2022

Our GUADEC 2022 venue, The Guadalajara Connector, offered the perfect space to return to an in-person event while maintaining a high-quality level for our remote attendees. An innovative co-creation space founded by a community of entrepreneurs, startups, and universities, the Connector is packed with state-of-the-art technology allowing for the ability to mix both in-person and remote presentations.

The Guadalajara Connector, our chosen venue, provided the ideal space for combining in-person and remote experiences. This innovative co-creation space, driven by entrepreneurs, startups, and universities, offered cutting-edge technology to ensure a seamless and inclusive conference environment.

Our keynote speakers added immense value to the conference. Robin Tafel, a User Experience and Product Designer, emphasized the importance of accessibility in software design, while Víctor Rodríguez, a Linux developer and Ph.D. student, showcased the latest features in the GNU toolchain, highlighting their significance in the open-source realm.

The city of Guadalajara itself became a highlight of GUADEC 2022. As the capital of the Mexican state of Jalisco and renowned for its mariachi music, attendees had the opportunity to explore the vibrant neighborhoods and nearby attractions. To make the most of this experience, we organized two social activities for the final conference day: a guided walking tour of Guadalajara's downtown area and a day trip to the nearby city of Tequila, where attendees enjoyed guided tours and tastings at Tequila factories.

A special celebration took place during the conference to commemorate GNOME's 25th Anniversary. With classic Mexican food, traditional mariachi shows, and a custom cake, we honored the incredible journey of GNOME over the past quarter-century.

Looking ahead, GUADEC 2023 is already in the works and will bring us back to Europe, specifically the beautiful Baltic city of Riga, Latvia. Stay tuned for another remarkable conference as we continue to foster collaboration and innovation within the GNOME community.

Linux App Summit 2022

LAS 2022 marked a significant milestone as it was the first edition of the event to return to in-person gatherings. The event took place on April 29-30, 2022, in the beautiful city of Rovereto, Italy in the Youth Center Smart Lab. This modern and vibrant co-working space provided the perfect setting for LAS to embrace a hybrid format. Thanks to an outstanding AV team, we were able to transform the conference into a blend of remote and in-person presentations. This approach allowed for both remote and in-person speakers and attendees to engage in the summit and maximized participation.

The conference featured a strong lineup of speakers from the GNOME and KDE communities, as well as app developers, designers, and industry experts. One event highlight was our keynote speaker, Majid Hajian who spoke on his learnings with cross-platform development, maintaining packages, and more in his presentation “One Plugin, Six Platforms”.

GNOME.Asia 2021

In response to the global pandemic, GNOME.Asia 2021 was held entirely as a remote conference for the second consecutive year. The summit took place on November 20-21, utilizing GNOME’s instance of BigBlueButton to facilitate remote presentations and interactive discussions among attendees.

The conference featured two esteemed keynote speakers. Galina Goduhina, Sales Director at ONLYOFFICE, delivered an insightful presentation titled “Developing and Promoting Open Source Projects: A Way to Success” on the first day. Dr. Suhaimi Napis, Ph.D., co-founder of SIFULAN and Asia Open Access, shared his remarkable “My OSS Journey” on the second day. Their valuable insights and experiences added great value to the conference.

With over 125 attendees, GNOME.Asia 2021 provided a memorable experience for all participants. As preparations for GNOME.Asia 2022 are underway, the community eagerly looks forward to the next edition and the exciting opportunities it will bring.



Environmental Update

Over the past 4 years GNOME has made an effort to track carbon emissions associated with our conferences and server infrastructure. Gathering this data has allowed us to gain valuable insights into the environmental impact of our operations. Through our analysis we hope to identify opportunities for improvement and develop sustainable strategies going forward.

The COVID-19 pandemic presented a unique challenge, causing us to transition from in-person events to online conferences in 2020. In 2022 we returned to in-person events with GUADEC in Guadalajara, Mexico. These shifts gave us the opportunity to compare the emissions from different approaches to running events. In our comparison we found that enabling remote participation at GUADEC has increased attendance by a factor of 10 with insignificant additional environmental impact, as the majority of emissions from an event are from people traveling to it. Additionally, we found that the localized attendance party in Berlin for GUADEC 2022 reduced the emissions for those attending it by a factor of 10.

While our efforts have mainly focused on conferences so far, we recognize that there is more work to do. Moving forward, we are dedicated to expanding our analysis to encompass a broader range of activities. Our future plans for this initiative include looking at the other GNOME events, emissions from non-event server infrastructure, the Foundation and other project activities, as well as emissions from GNOME apps and libraries as they are used on users’ machines.

Further reading on this project can be found at gitlab.gnome.org/pwithnall/gnome-environmental-analysis/

Outreachy Projects

Afshan Ahmed Khan

GNOME Mentor: Daniel García Moreno

Project: Migrate GNOME Translation Editor to Gtk4

Google Summer of Code Projects

Anupam Kumar

GNOME Mentors: Claudio Wunder, benzea

Project: Chromecast support for GNOME Network Displays

Pooja Patel

GNOME Mentors: Claudio Wunder, Caroline Henriksen

Project: GNOME HIG CSS Library

Asmit Malakannawar

GNOME Mentors: Claudio Wunder, Caroline Henriksen

Project: Faces of GNOME - Continuing the Development

Utkarsh Gandhi

GNOME Mentor: antoniof

Project: Revamp “New Document” submenu in GNOME Files

Ignacy Kuchciński

GNOME Mentor: antoniof

Project: Make “New Documents” feature discoverable

Thejas Kiran P S

GNOME Mentors: Alex Băluț, Fabián Orccón

Project: Pitivi Timeline Enhancements

Aryan Kaushik

GNOME Mentors: Alex Băluț, Yatin

Project: Pitivi: Port UI to GTK4

Marco Melorio

GNOME Mentor: Julian Sparber

Project: Fractal: Media history viewer

Amankrx

GNOME Mentor: Rasmus Thomsen

Project: Reworking Sync Options for Health

GNOME and Outreachy

Beyond software, GNOME is built by a special group of people that believe that providing a supportive and inclusive environment for contributors to learn and grow is detrimental to the development of our desktop. Software is political. It encodes our personal biases and with that, it shapes the way we work and communicate with each other in modern privileged societies. Diverse communities lead to more vibrant, supportive, and successful environments for everyone involved.

GNOME contributor Marina Zhurakhinskaya believed in our ability to build a world where everyone is empowered by technology we can trust. Marina was at the forefront of our diversity initiatives when she helped create the GNOME Outreach Program for Women (OPW), an internship program inspired by Google Summer of Code aiming at providing paid internships for women to contribute to GNOME. That program grew into Outreachy, an internship program for everyone subject to systematic bias and impacted by under-representation.

For over a decade, Outreachy has empowered contributors from all over the world to start their journeys in the world of open source software. We believe that Outreachy and similar initiatives are key to bringing our vision to fruition. For this reason, we have consistently allocated funds to sponsor Outreachy internships and in turn, Outreachy contributors have had a significant impact on the software we produce. From our core applications, and development tools, to development infrastructure.

In 2022 GNOME sponsored two Outreachy projects. In the May-August cohort, we had an intern working on porting GTranslator (our translation editing tool) to GTK4. In the December-March cohort, we had an intern working on creating infrastructure for performance tracking for librsvg.

This year Marina passed, but she is survived by her family and by our community that will continue following in her footsteps and building a better, more accessible world for everyone!

Advisory Board

The GNOME Advisory Board members are representatives of organizations and companies that support GNOME and have an interest in the future of the project. While the Advisory Board does not have decision-making authority for the GNOME Foundation, its members communicate with the Board of Directors and help the Directors guide the overall direction of GNOME and the GNOME Foundation.

- The Board meets twice a year, in the summer and the winter. The aim of these meetings is to:
- Understand the Advisory Board's needs, and express them to the community
- Express the community's needs to the Advisory Board
- Get feedback from the Advisory Board on our plans
- Provide a space for Advisory Board members to discuss their GNOME-related work with one another

The 2021-2022 Advisory Board includes Canonical, Debian, The Document Foundation, Endless, Google, Red Hat, sugarlabs, SUSE, and System76. We are always looking for new organizations that have a stake in the future of GNOME development and are interested in participating in the Advisory Board. If you would like to join, please contact director@gnome.org.

CANONICAL

 **debian**

 The Document Foundation

 ENDLESS

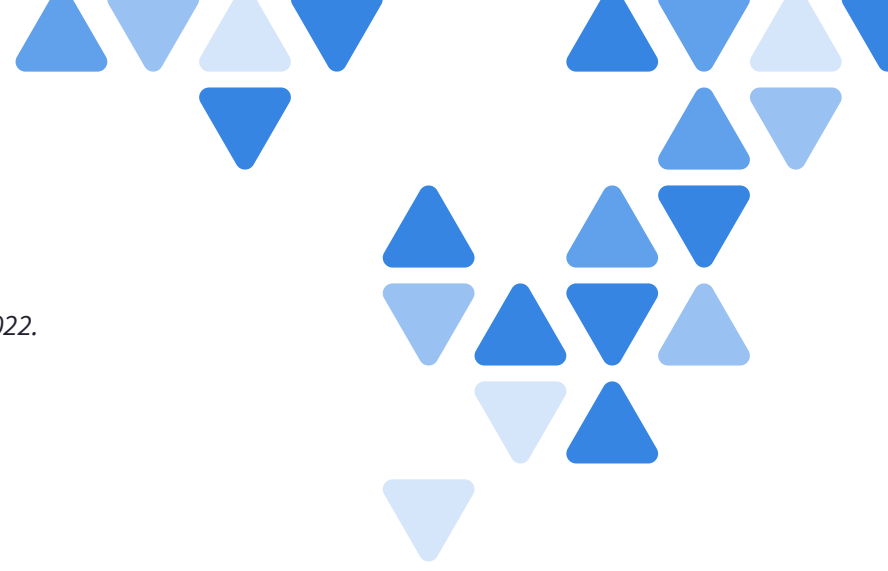


 **Red Hat**



 **SUSE**





Finances at a Glance

The GNOME Foundation fiscal year 2022 ran from October 1st, 2021 through September 30th, 2022. Foreign currencies are converted to USD.

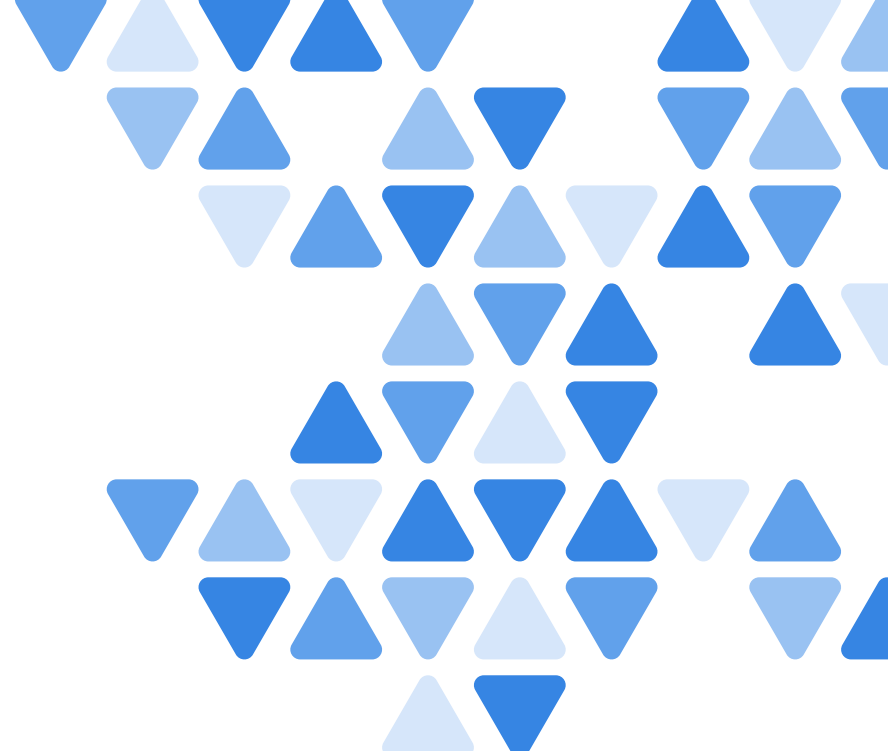
| Revenue | 2021 | 2022 |
|------------------|---------------------|---------------------|
| ● Advisory Board | \$103,500.00 | \$103,500.00 |
| ● Conferences | \$63,333.00 | \$89,905.22 |
| ● Donations | \$84,720.00 | \$168,110.84 |
| ● Interest | \$1,846.00 | \$306.99 |
| ● Other | \$33,309.00 | \$1,557.18 |
| Total | \$286,708.00 | \$363,380.23 |

2021



2022





| Expenditures | 2021 | 2022 |
|-------------------|---------------------|---------------------|
| Administrative | \$30,035.00 | \$25,801.04 |
| Conferences | \$13,994.00 | \$35,250.07 |
| Staff | \$614,466.00 | \$467,188.99 |
| Other Programming | \$187,080.00 | \$76,006.36 |
| Events | \$1,878.00 | \$39,080.31 |
| Marketing | \$5,553.00 | \$2,784.94 |
| Internships | \$26,000.00 | \$6,500.00 |
| Other | \$47,815.00 | \$6,926.14 |
| Total | \$926,821.00 | \$659,537.85 |

2021



2022



Find Us Online

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