Software in the Public Interest, Inc.
2017 Annual Report

July 23, 2018



Software in the Public Interest, Inc.



To the membership, board and friends of Software in the Public Interest, Inc:

As mandated by Article 8 of the SPI Bylaws, I respectfully submit this annual report on the activities of Software in the Public Interest, Inc. and extend my thanks to all of those who contributed to the mission of SPI in the past year.

– *Martin Michlmayr, SPI President*

Software in the Public Interest, Inc.

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Chapter 1

President's Welcome

SPI has served the free and open source software community for over 20 years since our establishment in 1997. SPI was founded by contributors to the Debian project with the vision to start an organization that can serve the wider free software community. With 45 associated projects, we have fulfilled this vision. We've also made some progress in getting a more diverse board and attracting directors from SPI associated projects other than Debian.

SPI now holds over 850,000 dollars in trust for SPI associated projects. This is a great responsibility which requires diligence from our organization. It's important for us to acknowledge the trust placed in us by SPI associated projects and to improve the governance and operations of SPI even further. We've made good progress improving our accounting processes and we continue to work on this.

SPI and its associated projects have accomplished much in the first 20 years, and we intend to operate for a long time to come. This is thanks to the board, our members, volunteers of SPI and its associated projects and to many generous sponsors. Thank you to all of you!

– Martin Michlmayr, SPI President

Chapter 2

Committee Reports

2.1 Membership Committee

2.1.1 Statistics

On January 1, 2017 we had 246 contributing and 900 non-contributing members. On December 31, 2017 there were 255 contributing members and 960 non-contributing members.

Chapter 3

Board Report

3.1 Board Members

Board members as of January 1, 2017:

- Martin Michlmayr (President)
- Joerg Jaspert (Vice President)
- Valerie Young (Secretary)
- Michael Schultheiss (Treasurer)
- Luca Filipozzi
- Jimmy Kaplowitz
- Dimitri John Ledkov
- Andrew Tridgell
- Martin Zobel-Helas

Board members as of December 31, 2017:

- Martin Michlmayr (President)
- Luca Filipozzi (Vice President)
- Valerie Young (Secretary)
- Michael Schultheiss (Treasurer)
- Joerg Jaspert
- Jimmy Kaplowitz
- Tim Potter
- Andrew Tridgell
- Martin Zobel-Helas

Advisors to the board as of December 31, 2017:

- Software Freedom Law Center (SFLC), legal counsel
- Chris Lamb, Debian Project representative

- Robert Treat, PostgreSQL Project representative

3.2 Board Changes

Changes that occurred during the year:

- Dimitri John Ledkov resigned from the board in July 2017 due to lack of time. We'd like to thank Dimitri for his contributions!
- Andrew Tridgell generously offered to resign early to reset the election of board members to three per year. SPI typically elects three (out of nine) board members each year but this got out of sync over the years.
- The term for Martin Michlmayr expired in July 2017.
- Tridgell and Michlmayr sought, and obtained, re-election. Tim Potter joined the board as part of the same election.
- On August 14, 2017 the board voted to appoint the following officers:
  - President: Martin Michlmayr
  - Vice President: Luca Filipozzi
  - Secretary: Valerie Young
  - Treasurer: Michael Schultheiss

3.3 Elections

A board membership election was conducted in July 2017. There were 3 board seats up for election. Nominations were received from Martin Michlmayr, Tim Potter, and Andrew Tridgell. Since there were 3 nominations for 3 board seats, no vote was required and Martin Michlmayr, Tim Potter, and Andrew Tridgell were elected for a 3 year term.

3.4 Face-to-face Meetings

The SPI board held a face-to-face meeting on February 24-25, 2017. The meeting was held at the Software Freedom Law Center (SFLC) in New York.

A second face-to-face meeting was held on October 13-14, 2017.

We discussed many topics, including new by-laws, our financial system, and mission and roadmap.

In the future, one face-to-face meeting will be held in the fall (a few months after the board election in July). An annual face-to-face meeting helps with the onboarding of new directors and more generally with board engagement and is used to set the agenda for the remainder of the year and the following year.

3.5 Improvements to Operations

SPI signed up for a virtual mailbox with an address in New York (to match our jurisdiction). This service offers physical-to-virtual mail forwarding and cheque-deposit (to aid with timely response to snail mail). This makes SPI less reliant on a specific person to check a physical mailbox.

SPI signed up for a virtual phone number so that we have one official phone number. This allows us, for example, to respond to identity checks for things like Extended Validation SSL Certificates.



Figure 3.1: Face-to-face meeting in New York (October 2017): Valerie Young, Martin Michlmayr, Luca Filipozzi, Tim Potter, Jimmy Kaplowitz, Martin Zobel-Helas and Michael Schultheiss (left to right)

SPI engaged a contract employee to aid with incoming treasurer requests. The contractor helped with DebConf17 reimbursements (ensuring that all requests, including receipts, are complete). We intend to use this contractor for more ticket triage in the future and possibly extend the help more widely to other accounts tasks involving account receivable (AR) and accounts payable (AP).

Chapter 4

Treasurer's Report

This report uses a cash-based method of accounting, recording donations when deposited (not when the check was written or received by us) and recording expenses when sent or scheduled for payment (not when incurred).

4.1 Income Statement

This covers the Period January 1, 2017 – December 31, 2017

Income	
Ordinary Income	
0 A.D.	2,963.58
Ankur	9.53
Aptosid	97.85
Arch Linux	21,423.79
ArduPilot	31,182.32
Chakra	658.82
DebConf16	4,750.00
DebConf17	135,481.03
Debian	41,728.94
FFmpeg	9,251.55
FFmpeg (OPW)	361.95
Fluxbox	2.85
freedesktop.org	541.50
FreedomBox Foundation	28.50
Gallery	0.00
GNU TeXmacs	26.80
GNUstep	0.00
haskell.org	617.50
Jenkins	6,600.71
LibreOffice	24,962.69
MinGW	58.52
NTPsec	190,027.55
Open Bioinformatics	9,694.27
Open MPI	546.26
Open Voting Foundation	28.50
OpenEmbedded	114.02
OpenVAS	9.50

OpenWrt	309.26
OpenZFS	33,740.39
OSUNIX	0.00
Performance Co-Pilot	5,414.95
PostgreSQL	34,051.80
Privoxy	2,509.30
Swathanthra Malayalam Computing	0.00
SPI General	68,845.81
The HeliOS Project	0.00
Tux4Kids	20.90
X.Org	7,048.05
YafaRay	1,900.00
Total Ordinary Income	635,008.99
Interest Income	
Ameriprise Brokerage	37.56
Key Business Platinum MM Savings	24.40
Chase BusSelect High Yield Savings	198.02
Fifth Third Business MM 128	42.62
Total Interest Income	302.60
Gross Income	635,311.59

Expenses

Ordinary Expenses

0 A.D.		
	164.88	Banking fees
	1,043.65	IT
	1,208.53	
Ankur		
	0.82	Banking fees
Aptosid		
	5.02	Banking fees
Arch Linux		
	813.11	Banking fees
	35.00	Chargeback
	3,549.05	IT
	4,397.16	
ArduPilot		
	878.46	Banking fees
	14,448.23	Development
	3,315.44	IT
	615.02	Meetups

```
 ---------
 19,257.15

  Chakra
     27.13    Banking fees
    450.00    Office
    ------
    477.13

  DebConf 15
  1,065.29    Meetups

  DebConf 16
    145.30    Banking fees
  4,037.09    Meetups
  --------
  4,182.39

  DebConf 17
    350.35    Banking fees
      8.22    IT
182,157.00    Meetups
    304.66    Office
----------
182,820.23

  Debian
  1,700.21    Banking fees
 19,500.00    Development
(1,723.93)    IT (Refund)
 25,349.02    Meetups
 ---------
 44,825.30

  Drizzle
    185.39    IT

  FFmpeg
    155.18    Banking fees
  7,505.01    Development
  3,844.34    Meetups
    513.70    Office
 ---------
 12,018.23

  FFmpeg (OPW)
     18.04    Banking fees

  Fluxbox
      0.71    Banking fees

  freedesktop.org
     22.98    Banking fees
    300.00    Development
```

```
  2,452.56    Meetups
  ---------
  2,775.54

  FreedomBox Foundation
      1.90    Banking fees
 25,053.00    Transfer to FreedomBox Foundation
 ---------
 25,054.90

  Gallery
  8,357.68    IT

  GNU TeXmacs
      2.36    Banking fees

  haskell.org
     28.10    Banking fees
     85.47    IT
    ------
    113.57

  Jenkins
    281.85    Banking fees
    388.60    Development
  3,693.65    Meetups
   -------
  4,364.10

  LibreOffice
    135.75    Banking fees
 46,590.52    Meetups
 ---------
 46,726.27

  MinGW
      4.83    Banking fees

  NTPsec
      1.53    Banking fees
184,000.00    Development
-----------
184,001.53

  Open Bioinformatics
     41.23    Banking fees
    209.41    IT
    735.85    Meetups
    ------
    986.49

  OpenEmbedded
      6.26    Banking fees
```

```
 Open MPI
     0.01    Banking fees

 Open Voting Foundation
     1.49    Banking fees

 OpenVAS
     0.67    Banking fees

 OpenWrt
    16.20    Banking fees

 OpenZFS
   642.81    Banking fees
32,772.44    Meetups
   442.89    Office
---------
33,858.14

 Performance Co-Pilot
     0.30    Banking fees
 1,525.00    Meetups
 --------
 1,525.30

 PostgreSQL
   236.94    Banking fees
 5,000.00    Development
 1,841.78    Meetups
   129.00    Office
 --------
 7,207.72

 privoxy
    71.62    Banking fees
   916.06    IT
   ------
   987.68

 Swathanthra Malayalam Computing
     0.30    Banking fees

 SPI
 1,244.25    Banking fees
    88.01    Chargeback
20,146.50    Meetups
 2,408.99    Office
---------
23,887.75

 Tux4Kids
     1.38    Banking fees

 X.Org
```

```
          43.48    Banking fees
       1,668.86    Meetups
         113.75    Office
       --------
       1,826.09

       YafaRay
          80.35    Office
         693.09    IT
         ------
         773.44

       Total Expenses          612,941.09
                               ----------

       Net Income               22,370.50
```

4.2 Balance Sheet

```
Balance Sheet as of December 31, 2017

   ASSETS
     Current Assets
        Ameriprise Cash Mgmt Acct                          13,443.71
        Chase Business Select High Yield Savings          170,225.61
        Chase Performance Business Checking               138,443.58
        Fifth Third Business Elite Checking (Debian)       86,334.51
        Fifth Third Business Elite Checking (SPI)          30,151.69
        Fifth Third Business Elite Checking Wiretransfer  124,561.81
        Fifth Third Business Money Market 128              30,004.92
        KeyBank Basic Business Checking                     8,922.08
        Key Business Platinum Money Market Savings        112,940.87
        Key Business Reward Checking                      343,331.32
        Key Express Checking (closed)                           0.00
        Debian Debit Card (closed)                              0.00
        PayPal (Debian)                                     1,637.75
        PayPal (SPI)                                       17,244.21
        Bank transfers in progress                          6,000.00

     Total Current Assets                               1,083,242.06

   TOTAL ASSETS                                         1,083,242.06

   LIABILITIES AND EQUITY

     General and current liabilities                             0.00

     Equity
        Reserves held in trust
           0 A.D.                          31,283.40
           Ankur.org.in                     2,819.84
           aptosid                            343.97
           Arch Linux                      47,630.18
```

ArduPilot	64,839.59	
Chakra	856.12	
Debian	204,728.09	
DebConf 14	35,962.78	
DebConf 15	70,218.51	
DebConf 16	(15,395.06)	
DebConf 17	(15,009.31)	
Drizzle	6,148.60	
FFmpeg	15,900.24	
FFmpeg (Outreachy)	648.53	
Fluxbox	997.14	
freedesktop.org	15,266.13	
FreedomBox Foundation	23.52	
Gallery	0.00	
GNU TeXmacs	1,146.95	
GNUstep	142.50	
Haskell	16,482.89	
Jenkins	29,672.60	
LibreOffice	46,976.85	
madwifi-project.org	1,494.90	
MinGW	4,132.86	
NTPsec	6,085.29	
Open Bioinformatics	83,925.53	
Open MPI	546.25	
Open Voting Foundation	116.72	
OpenEmbedded	435.79	
OpenVAS	65.04	
OpenWrt	6,333.20	
OpenZFS	0.00	
OSUNIX	17.17	
Path64	18.60	
Performance Co-Pilot	5,588.45	
Plan 9	6,500.00	
PostgreSQL	119,222.24	
Privoxy	1,735.24	
Swathanthra Malayan Comp	5,763.32	
The HeliOS Project	212.83	
TideSDK	353.99	
Tux4Kids	16,303.15	
X.Org	38,666.35	
YafaRay	6,976.33	
Total held in trust		866,177.31
General reserves		217,064.75
Total Equity		1,083,242.06
TOTAL LIABILITIES AND EQUITY		1,083,242.06

Chapter 5

Member Project Reports

5.1 New Associated Projects

SPI added no new associated projects during 2017.

5.2 Projects No Longer Associated with SPI

5.2.1 FreedomBox

FreedomBox Foundation, the organizational headquarters of FreedomBox, was recognized by the IRS as exempt from federal income tax under Internal Revenue Code 501(c)(3). Therefore, future donations will be handled directly by the FreedomBox Foundation.

5.3 Updates from Associated Projects

5.3.1 0 A.D.

0 A.D. (pronounced "zero ey-dee") is a cross-platform, real-time strategy (RTS) game of ancient warfare. It is a historically-based war/economy game, in which the player must lead an ancient civilization, gather resources from the map, and raise a military force to conquer enemy factions. 0 A.D. is open source software licensed under the GPL, and its art and sound assets are licensed under CC BY-SA. It is developed by Wildfire Games, a global community of game developers.

In 2017, we released Alpha 22 Venustas, available for Windows, macOS, and Linux. This alpha version introduced configuration-free multiplayer hosting, a new 'capture the relic' game mode, an 'espionage' game feature, team bonuses, improvements to the game AI and to the user interface, hundreds of new models, animations and textures, two new songs, and more. According to our records, Alpha 22 Venustas was downloaded over 100,000 times in 2017. (That figure is a conservative estimate, as it does not include downloads performed through the Linux distributions' package managers.)

Much of 2017 was also spent on improving the development process itself, by implementing Phabricator for code review and patch testing, and by implementing automated builds and code linting.

We also presented the game at the Capitole du Libre conference (Toulouse, France). This helped raise awareness of 0 A.D. and facilitated recruitment of developers.

We wish to extend our thanks to our generous donors and to SPI for helping us achieve this progress.

Submitted by Aviv Sharon

5.3.2 Chakra

Chakra is a GNU/Linux distribution with an emphasis on KDE and Qt technologies that focuses on simplicity from a technical standpoint and free software.

We made two new releases of our distribution during 2017. We had our word and design trademarks issued. We migrated to Discourse for our community to receive news from the contributors, get and give help, as well as join the discussion about our distribution. We also migrated to GitLab for our contributors to use in their continued work on Akabei, our own package manager, as well as other projects.

Submitted by Hans Tovetjärn

5.3.3 Debian

The next stable release of the distribution ('buster') has been taking shape since the release of Debian 9 ('stretch') in June 2017.

In addition, the Debian project continues its efforts to run the LTS program for extended security support and a large migration is underway to new Git hosting infrastructure based on the GitLab platform. In Addison, Debian's annual gathering (DebConf) was held in Montréal, Québec.

On 16th August 2017, the Debian project celebrated its 24th anniversary. This is a new milestone for the project and makes it one of the oldest Free and Open Source GNU/Linux distributions.

Submitted by Chris Lamb, Debian Project Leader

5.3.4 Drizzle

The Drizzle database server is no longer actively developed. However, two of the client libraries are still in active use and development: drizzle-jdbc (Java) and libdrizzle-redux (C). One motivation for continued use of these libraries is that they provide permissively licensed client libraries compatible with the MySQL protocol.

Submitted by Henrik Ingo

5.3.5 FFmpeg

FFmpeg is a complete, cross-platform solution to record, convert and stream audio and video. It is used as the platform foundation of many projects dealing with multimedia, both open source and proprietary, and used extensively by several multimedia web-based multimedia conversion and processing services.

In the year 2017 FFmpeg delivered two formal releases (3.3 and 3.4) and several security updates of old releases. A complete list of changes can be found in the changelog.

Also, as usual, FFmpeg joined the Google Summer of Code (GSoC) program, with a total of 7 assigned projects.

Submitted by Stefano Sabatini

5.3.6 freedesktop.org

freedesktop.org provides a home for projects building free and open source technology underpinning non-server uses. As well as its original mission of a collection of cross-desktop specifications, it also hosts the development of most of the low-level graphics stack (including the X.Org Foundation), core technology like D-Bus, larger projects such as LibreOffice and GStreamer, and smaller projects such as PDF rendering library Poppler.

freedesktop.org has historically been a very loose umbrella, so its member projects are very diverse; administration and upkeep is handled by a very small volunteer team and not regularly contributed to by member

projects. Through 2017, we worked on modernising and stabilising our infrastructure. We put in place a Code of Conduct covering the behaviour of everyone using our services, and took steps towards formalising privacy and copyright-handling policies. In previous years, much of the focus of admin time was stabilising the infrastructure and dealing with long-term 'technical debt'. This year we have continued to modernise our infrastructure and also provisioned GitLab for our member projects. Offering GitLab's services will hopefully stem the flow of projects who have left for platforms providing more modern features such as continuous integration and online code review support.

This will continue to be the focus for next year, as well as providing as much transparency as possible into the organisation, reducing the time taken to handle admin requests, and opening more regular conversations with our various project communities.

Submitted by Daniel Stone

5.3.7 GNU TeXmacs

GNU TeXmacs is a free scientific office suite with a professional typesetting quality. Some highlights of the developments that took place in 2017 concern the typesetter and the laptop presentation mode. Many microtypographic improvements took place for the typesetting of mathematical formulas, especially for alternate fonts such as the TeX Gyre and Stix fonts that are now fully supported. The page breaking mechanism has also become more robust in presence of many floating objects. As to the presentation mode, the editor has been simplified and many new features have been added for animations, graphical effects, etc.

Submitted by Joris van der Hoeven

5.3.8 Jenkins

The Jenkins project celebrated a number of technology and community accomplishments in 2017. Originally billed as a 'continuous integration server', Jenkins has expanded its focus to include continuous delivery with two major releases in 2017: Blue Ocean, a new user experience focusing on continuous delivery, and Declarative Pipeline, a new syntax for making continuous delivery pipelines easier to author and maintain.

The Jenkins community also experienced significant growth, reaching over 75 local Jenkins Area Meetups, with additional conferences hosted by companies invested in Jenkins such as JFrog, Praqma, and CloudBees.

Submitted by R. Tyler Croy

5.3.9 LibreOffice

In 2017, The Document Foundation announced two major releases of LibreOffice – 5.3 in January and 5.4 in July – and prepared the launch of LibreOffice 6.0. In addition, many project members met at FOSDEM in Brussels in early February, and gathered in Rome for the LibreOffice conference in October. Also, local LibreOffice events were organized in Brazil, Italy and Japan.

Submitted by Sophie Gautier

5.3.10 NTPsec

The NTPsec Project has tagged and released version 1.0.0. We have been invulnerable to over 80% of the CERT advisories issued against NTP classic because of our ongoing code cleanup and refactoring, and the remaining vulnerabilities have been characterized and fixed within a week of publication. We have added management via SNMP, and that subproject itself kicked off rescue development effort on the net-snmp project. Due to volunteer contributors, we are now building in the Debian and Ubuntu pipelines. Key members of our team are working with the IETF on the Network Time Security protocols, and our

implementation of those protocols will go public at or before the publication of those standards as RFCs. The NTPsec Project thanks SPI for their continuing support.

Submitted by Mark Atwood

5.3.11 OFTC

OFTC's IRC network has been running stable over the past year. We have extended our load balancing system to include new servers in Japan and Singapore, so users from Asia should be seeing better round trip times now. On the staff side, a few long-standing members have resigned from active duty, but we are slowly seeing newcomers joining as well, for which we are very glad.

Submitted by Christoph Berg

5.3.12 Open Bioinformatics Foundation

The Open Bioinformatics Foundation (OBF) is a non-profit, volunteer-run group dedicated to promoting the practice and philosophy of open source software development and Open Science within the biological research community.

Since its launch in 2016, we have continued with application calls a year to award the OBF Travel Fellowship, aiming to improve diversity at Bioinformatics events.

Submitted by Peter Cock

5.3.13 OpenEmbedded

OpenEmbedded is a build system that creates custom Linux distributions for devices running Linux. Traditionally used for creating images for embedded devices, OpenEmbedded is now used all over to create small images for Internet of Things (IoT) devices, to large images pushing into the desktop space. Since OpenEmbedded's adoption as the Yocto Project build system, we have experienced explosive growth in the user base.

To support the OpenEmbedded developer community, we work with the Yocto Project to arrange developer meetings twice a year. Developer meetings bring people together to review challenges facing the project and create better relationships in the community. We also had a stand at FOSDEM to show the project to the larger open source community.

Submitted by Philip Balister

5.3.14 Open MPI

The Open MPI community is a collection of academics, researchers, and vendors who continue to develop cutting-edge technology for today's most-demanding High Performance Computing (HPC) environments. This community had a busy year in 2017: we had nine releases of our signature project (Open MPI). We closed out the v1.10.x series with the 1.10.6 and 1.10.7 releases. We also closed out the v2.0.x series with versions 2.0.2 through 2.0.4. We introduced a new minor release series (v2.1.x) and released v2.1.0 through v2.1.2. Finally, we introduced a new major release series with v3.0.0. The Hardware Locality (hwloc) sub-project also had several releases, including contributions from both the overall community and several vendors: v1.11.6 through v1.11.8. Hwloc also released a beta for its upcoming all-new v2.0.0 series, which is anticipated in 2018.

Submitted by Jeff Squyres

5.3.15 OpenZFS

OpenZFS held its annual Developer Summit in October 2017. With around 100 attendees and 13 speakers, it was a great event for educating the community about new features in OpenZFS, as well as for folks to

interact face to face with other developers and plan the next year's activities. On the development front, 2017 saw the integration of native encryption for OpenZFS, improved memory management with ABD, a better programmatic interface with channel programs, as well as many performance improvements, notably to the ZIL, RAIDZ, and file creation/deletion.

Submitted by Matthew Ahrens

5.3.16 Performance Co-Pilot

Performance Co-Pilot (PCP) is a cross-platform distributed toolkit for system level performance analysis.

2017 was a big year for the PCP project; we produced six point releases over the course of the year, adding several new analysis tools, hundreds of new performance metrics, labels as first class metric metadata, and continued to extend the support for containers throughout PCP.

We participated as a Google Summer of Code mentor organization for the second year, taking on five successful students working on both PCP and Vector.

Submitted by Nathan Scott

5.3.17 PostgreSQL

PostgreSQL continues its popularity with the open source community, recently winning an award for most loved database. In 2017 we released version 10 of PostgreSQL which is arguably the most important release to date, and we are on target to release 11 in the fall of 2018. The community has also continued to expand its education efforts with popular conferences in U.S., Europe, Nepal, South Africa and Singapore. When combined with a surge of industry support from major project sponsors as well as ecosystem drivers we are confident we can continue to bring new community members into the project and continue growth.

Submitted by Joshua D. Drake

5.3.18 Privoxy

In 2017 Privoxy received a couple of changes to increase performance that will first appear in Privoxy 3.0.27. At the end of the year development stalled due to SourceForge ending CVS support which required setting up a replacement repository which is still work in progress.

Submitted by Fabian Keil

5.3.19 The Mana World

In 2016, The Mana World joined forces with Evol Online, and stopped developing tmwAthena. In 2017, Evol Online fully merged with The Mana World and together started working a new iteration of the game, this time built on top of Evol-Hercules (instead of tmwAthena), which is a plugin for Hercules, tailored to the needs of The Mana World, to be used in combination with ManaPlus. While doing so, The Mana World also started making contributions upstream to the Hercules codebase.

Since 2015, The Mana World is fully self-sustaining, being entirely funded by its community, but at the end of 2017, The Mana World received sponsorship from Microsoft for Nonprofits and has been granted a recurring $5,000 in free Microsoft Azure credits per annum, ensuring its survival for years to come.

Submitted by Pascal Beauchamp

5.3.20 X.Org

The X.Org community creates a free and open accelerated graphics stack, including major components such as the DRM kernel graphics subsystem, Mesa 3D graphics library, Wayland compositor and the X.Org Window System.

The Foundation supported the community through travel grants for the X Developer Conference in Mountain View, organized by Google in September. 4 students successfully completed their Google Summer of Code (GSoC) internship within the X.Org community.

A big accomplishment in 2017 was the finalization of the Khronos adopters agreement, which allows the Mesa 3D drivers to become officially conformant with OpenGL and Vulkan standards.

Submitted by Daniel Vetter



Appendix A

About SPI

SPI is a non-profit organization which was founded to help organizations develop and distribute open hardware and software. We encourage programmers to use the GNU General Public License or other licenses that allow free redistribution and use of software, and hardware developers to distribute documentation that will allow device drivers to be written for their product.

SPI was incorporated as a non-profit organization on June 16, 1997 in the state of New York. Since then, it has become an umbrella organization for projects from the community.

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