



OpenStack
Foundation

OSF Board Meeting

Staff Update & Strategy Review

April 16, 2020

Highlights



OSF Project Releases



airship

Making lifecycle management for open infrastructure simple, repeatable & resilient

CONFIRMED

2.0 alpha

later this month



kata containers

Secure, lightweight
CRI compatible
virtualized containers

CONFIRMED

1.11.0

April 20



openstack®

Programmable
infrastructure for VMs,
containers and bare metal

CONFIRMED

Ussuri

May 13



STARLINGX

Edge cloud computing
Infrastructure for high
performance, ultra-low
latency applications

PILOT

4.0

Milestone-2,
week of Mar 30



ZUUL

CI/CD platform for gating
changes across multiple
systems/repos

CONFIRMED

3.17.0 & 3.18.0

Released

OpenStack is turning 10!

- **Birthday campaign** to celebrate OpenStack's rich and impactful history, while laying the groundwork for the exciting things in its future.
- **"The World Runs on OpenStack"** will be a series of case studies and interviews highlighting how OpenStack has impacted so many things across the globe.
- **Participate by sharing your story**
 - Share your favorites bit.ly/OpenStack10
 - Email allison@openstack.org



Community Initiatives

- **Bare Metal White Paper**
 - Bare metal SIG developing white paper and Ironic use cases
 - Running Ironic? Share your case study
 - Updates available on the [OpenStack-discuss mailing list](#)
- **Edge Computing White Paper #2**
 - OSF Edge Computing Group is working on their 2nd white paper
 - Focusing on use cases, reference architectures and testing
 - If you're interested in getting involved in the working group you can find information how to participate here:
https://wiki.openstack.org/wiki/Edge_Computing_Group#Group_Resources

Writing/Promotion Opportunities

- Contributions open for **Superuser Magazine** and the **OSF Project blogs**
 - OpenStack**: email community@openstack.org
 - Airship**: email info@airshipit.org
 - Kata Containers**: email info@katacontainers.io
 - StarlingX**: Submit a pull request or email info@starlingx.io
 - Superuser Magazine**: visit superuser.openstack.org/contribute

The image shows a collage of screenshots from several websites:

- SUPERUSER.** (Top Left): A dark-themed website with a blue header. It features a large illustration of a superheroine in red and purple, a photo of LEGO figures in a green environment, and a photo of people at an event. Text includes "APRIL 7, 2020", "Women of Open Infrastructure – Growing with the Open Source Community", and "Inside open infrastructure: The latest from the OpenStack Foundation".
- katacontainers** (Top Right): A white-themed website with a navigation bar for LEARN, SOFTWARE, DOCS, COMMUNITY, SUPPORTERS, and BLOG. It features a photo of a city skyline under a cloudy sky with the text "Running an OpenStack cloud? Check out next Operators Meetup".
- airship** (Bottom Left): A white-themed website with a navigation bar for SOFTWARE, USERS, COMMUNITY, BLOG, and SUPPORTERS. It features a photo of a group of people and the text "STARLINGX".
- openstack** (Bottom Center): A white-themed website with a navigation bar for LEARN, SOFTWARE, DOCUMENTATION, COMMUNITY, FAQS, BLOG, and SUPPORTERS. It features a photo of a stage with a large audience and the text "The OpenStack Blog".
- The OpenStack Blog** (Bottom Right): A white-themed blog page with a photo of a large audience and the text "The OpenStack Blog" and "Everything in & around OpenStack in written words".

OpenInfra Labs

- Workshop held in March in Boston with Mass Open Cloud (MOC)
- OpenInfraLabs.org
- Mailing list:
<http://lists.opendev.org/cgi-bin/mailman/listinfo/openinfralabs>
- IRC: [#openinfralabs](#) on freenode

OPENINFRA LABS

An [OSF Project](#)

Connecting open source projects to production
OpenInfra Labs is a community, created by and for operators, testing open source code in production, publishing complete, reproducible stacks for existing & emerging workloads, to advance open source infrastructure.

Delivering open source tools to run cloud, container, AI, machine learning and edge workloads repeatedly and predictably



Integrated testing of all the necessary to provide a complete use case



Documentation of operational and functional gaps required to run upstream projects in a production environment



Shared code repositories for operational tooling and the "glue" code that is often written independently by users

Get Involved
If you are building or operating infrastructure for university or research usage, join forces with OpenInfra Labs today!

Participants & Supporters



Northeastern University



UMASS



MASSACHUSETTS INSTITUTE OF TECHNOLOGY



Red Hat



FUTUREWEI



OpenStack Foundation

Ecosystem Feedback

- Actively listening to OSF ecosystem
- 2-day strategy meeting with Chinese member companies in May
- Take the OpenStack User Survey at openstack.org/user-survey
- **Member survey COMING SOON**

The screenshot shows the OpenStack Marketplace homepage. At the top, there's a navigation bar with links for SEARCH, OSF EVENTS, SOFTWARE, USERS, COMMUNITY, MARKETPLACE, LEARN, DOCS, JOIN, and LOG IN. Below the navigation, the title "The OpenStack Marketplace" is displayed. Underneath the title, there are several service categories represented by icons: TRAINING (monitor icon), DISTROS & APPLIANCES (down arrow icon), PUBLIC CLOUDS (cloud with gear icon, highlighted with a red underline), HOSTED PRIVATE CLOUDS (cloud with lock icon), REMOTELY MANAGED PRIVATE CLOUDS (cloud with gear and arrow icon), CONSULTING & INTEGRATORS (monitor with chart icon), and DRIVERS (monitor with gear icon). A horizontal line labeled "PRIVATE CLOUD AS A SERVICE" connects the PUBLIC CLOUDS, HOSTED PRIVATE CLOUDS, and REMOTELY MANAGED PRIVATE CLOUDS categories. Below this section, there are search and filter fields for "FILTER CLOUDS" and "ANY NAME", along with dropdown menus for "Select a Service" and "Select a Location". At the bottom, there's a world map showing the locations of various OpenStack users or services.

2020 Events



osf.dev

COVID-19

- How we're approaching f2f collaboration through events in this rapidly changing environment.
 - Doing what's best for our community while working with venues and contractors to limit our financial exposure
 - Supporting the regional OpenStack Day & OpenInfra Day events as they adjust - several have postponed to 2H of 2020 or 2021. At least two are going virtual: OpenInfra Days China and Cloud Operator Day Tokyo
 - Planning to hold China strategy meeting virtually in May
 - OSF staff off-site was held virtually in Feb

Project Teams Gathering (PTG)

- Virtual event
- **June 1–5**
 - One week prior to original Vancouver dates
 - Allows additional development time in the Victoria cycle
- Held community brainstorm meetings April 2, 6 and 7 to help shape the virtual event
- Underwriter recognition for OSF Gold, Platinum and Corporate members



OpenDev Event

- Virtual event series
 - Each track held over multiple days
 - First track scheduled for mid/late June
 - Format still being finalized
- 3 Tracks, each on a different dates (no overlap):
 - Hardware Automation
 - Large Scale Ops
 - Containers in Production
- Provide input about the event:
https://etherpad.openstack.org/p/Virtual_OpenDev_Planning



Open Infrastructure Summit Berlin

- In-person event currently planned for October 19-23, 2020 at bcc in Berlin, Germany
- In light of COVID-19, currently exploring all options



Calls to Action



OpenStack Foundation

How you can help

1. Complete the OSF Member Survey when it arrives in your inbox.
2. Take the OpenStack User Survey at openstack.org/user-survey.
3. Participate in the 10 Years of OpenStack campaign by filling out the survey and sharing your stories at bit.ly/OpenStack10
4. Contribute articles and blog posts to Superuser
superuser.openstack.org/contribute and OSF project blogs.
5. Collaborate with Bare Metal SIG (OpenStack-discuss mailing list) & Edge Computing Group ([Edge Computing Group Wiki](#)) on their respective white papers.

Strategy Discussion:

Background & Survey Results



Opportunity

Taking stock of the state of...

- Open Source
- Cloud
- Foundations
- OpenStack

There's a real opportunity to do something bold in reinventing OSF to meet the needs of open source in today's market, playing to our strengths while adapting to what open source needs from foundations today

OpenStack and OSF 2010-Present

OpenStack Software:

- 8,000 devs contributed millions of lines of code, top 3 project, 20 on-time releases, 10s of millions of cores managed
- **Today:** past hype peak, software is mature, adoption is growing

OSF:

- Founded 2012, helped deliver results above, produced 20 Summits
- **2018-Present:** Established 4 new Open Infrastructure projects to compliment OpenStack, rebranded Summit to Open Infrastructure Summit
- **Today:** Learned how to efficiently help OpenStack, Airship, Kata, StarlingX, and Zuul communities produce and market new releases, learning how to produce virtual events, first is PTG in June

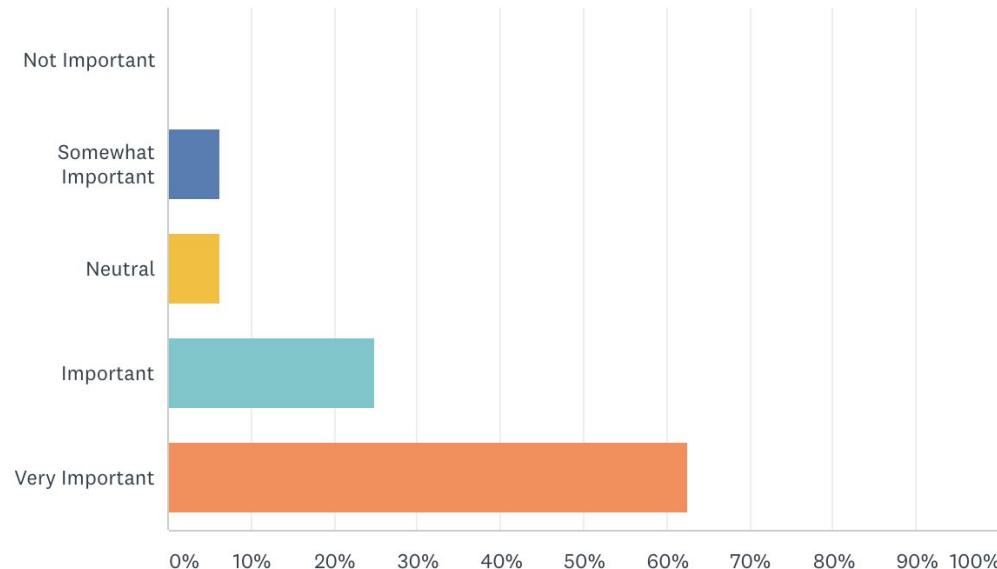
Open Source & Cloud Trends

- Open Source is now the de-facto method for innovation (containers/k8s & AI/tensorflow are latest examples)
- Rise of Github as the default hub for open source development
- Proliferation of open source foundations w/lots of corporate funding
- Big 3 cloud providers productizing & monetizing open source (and some projects are introducing restrictive licenses to try to stop it)
- Growing open source adoption in China including OpenStack

What should Open Source Foundations Invest in?

Generating brand awareness and demand for the software the foundation hosts (such as OpenStack at OSF), including publishing case studies and engaging with press & analysts and other general marketing activities

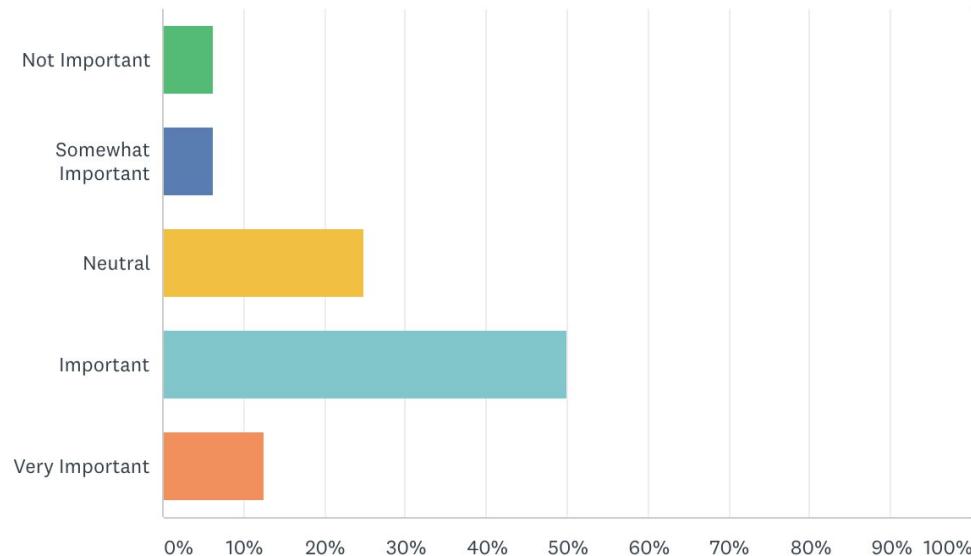
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What should Open Source Foundations Invest in?

Generating awareness and promotion of commercial products based on the software, through activities such as an online marketplace and through commercial licensing logo programs tied to validation & interop testing.

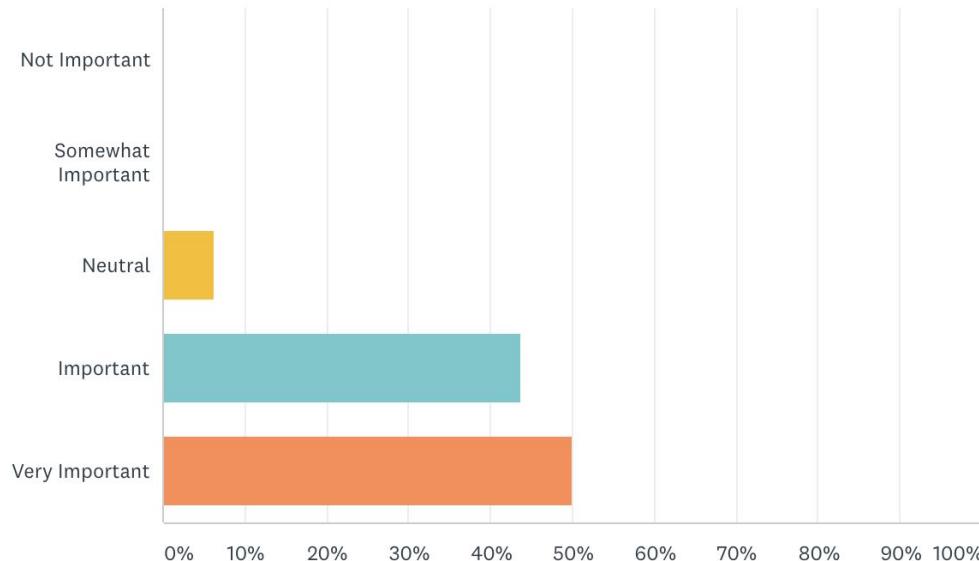
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What should Open Source Foundations Invest in?

Helping to maintain technical infrastructure for code hosting, code review & testing to help the community produce quality software.

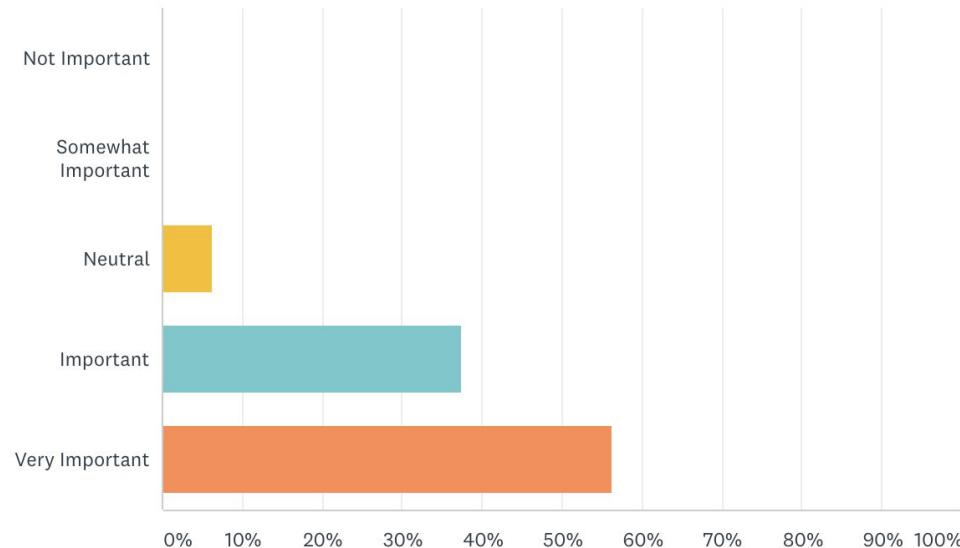
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What should Open Source Foundations Invest in?

Organizing software development efforts through community management, and helping attracting and onboard new developers

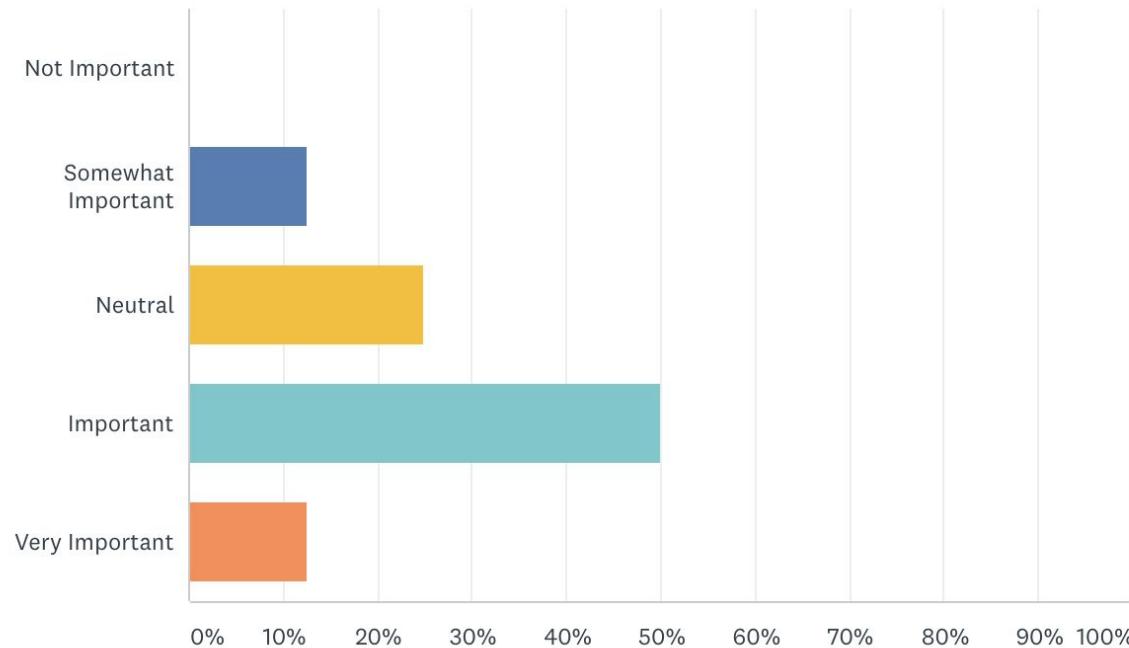
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What should Open Source Foundations Invest in?

Organizing In-person events

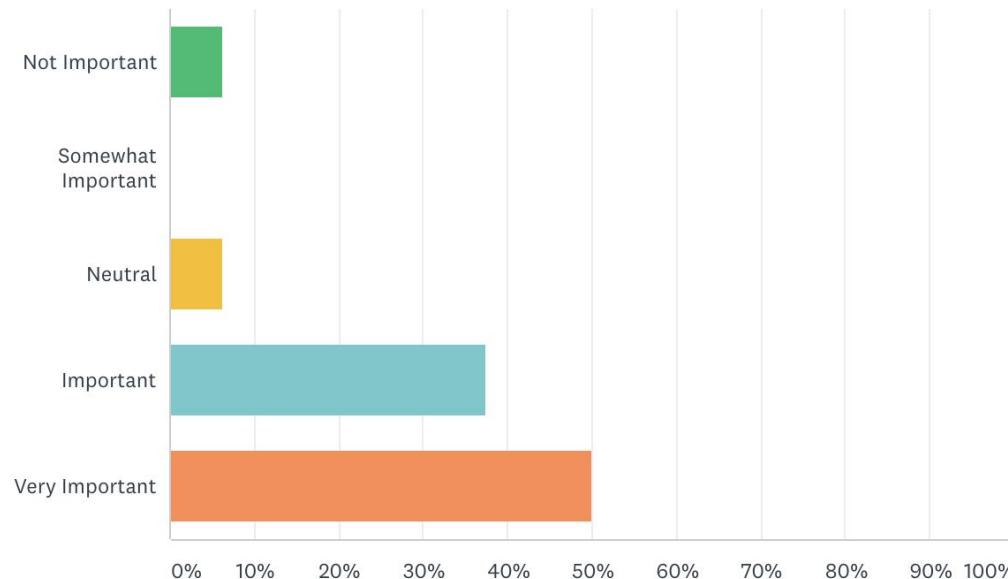
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What should Open Source Foundations Invest in?

Serving as a neutral legal home for assets such as trademarks, logos and community intellectual property

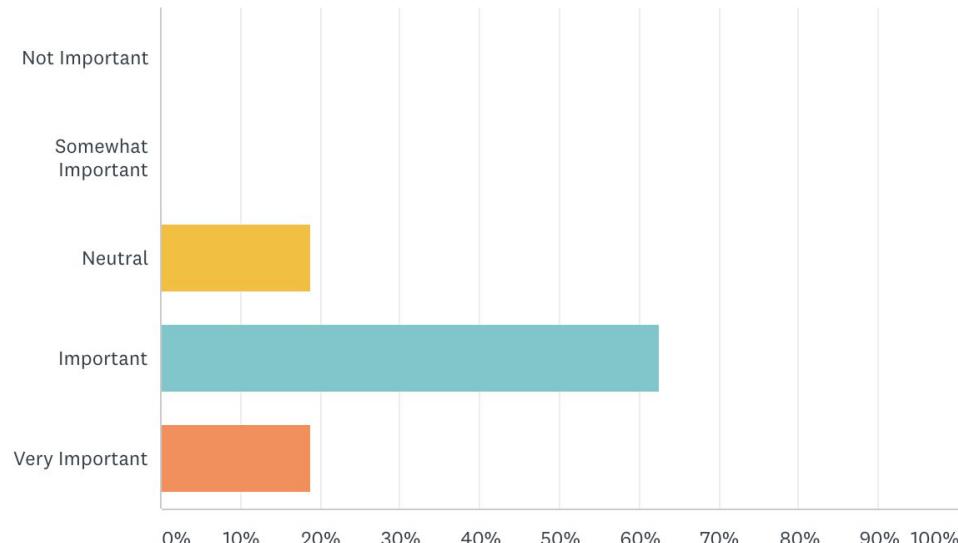
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What should Open Source Foundations Invest in?

Coordinating cross-community efforts among multiple open source projects, such as OpenStack and Kubernetes, or industry groups such as OSF, GSMA, ETSI, and Linux Foundation projects

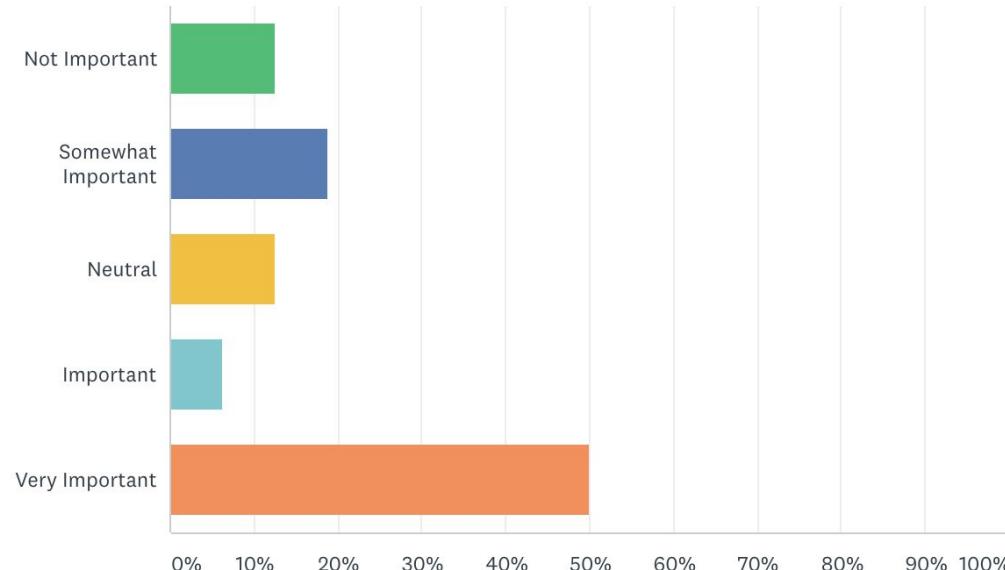
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What should Open Source Foundations Invest in?

Advocating for open source in general as a method for delivering technical innovation

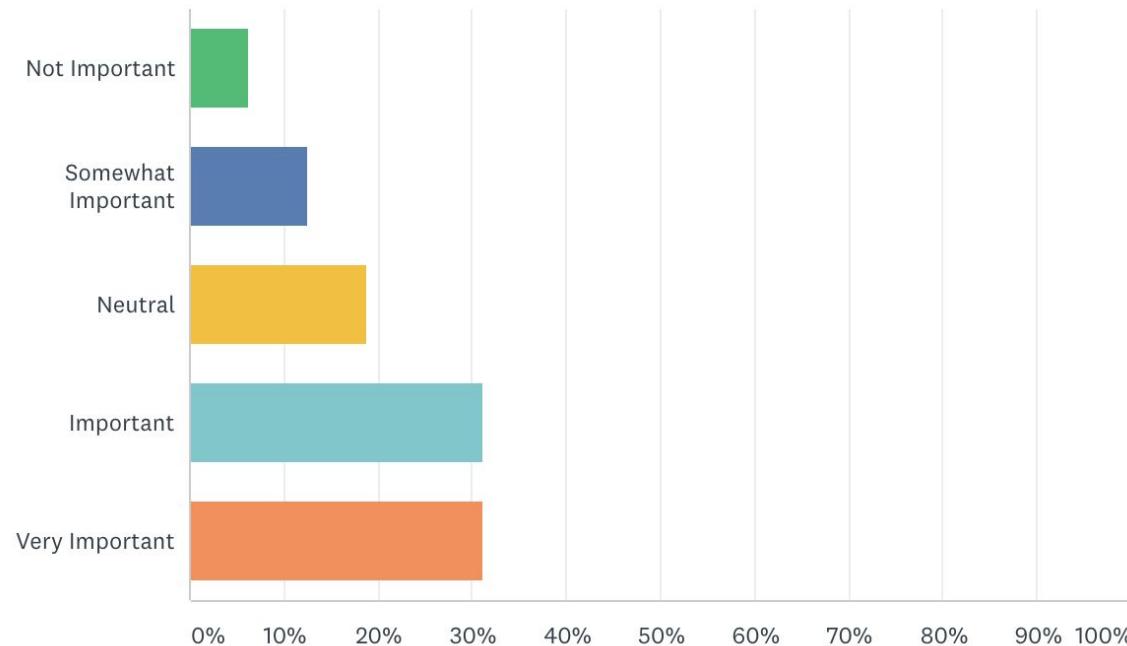
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What should Open Source Foundations Invest in?

Helping new OSS projects establish open governance

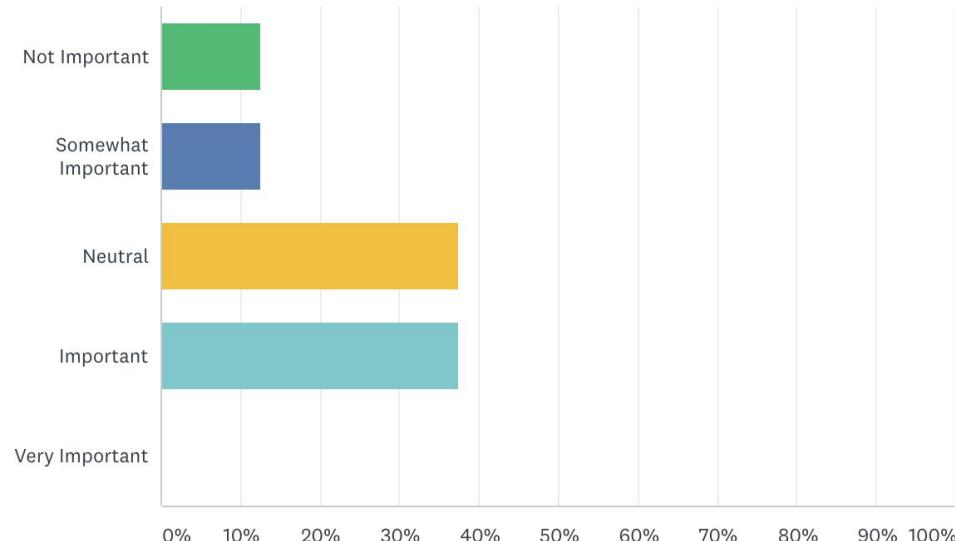
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What should Open Source Foundations Invest in?

Investing in the success of projects not hosted by the foundation (such as projects that choose not to host at any foundation, or projects that are hosted with a different foundation)

Answered: 16 Skipped: 0



What should Open Source Foundations Invest in?

Q1. Generating brand awareness and demand for the software the foundation hosts (such as OpenStack at OSF), including publishing case studies and engaging with press & analysts and other general marketing activities

Q4. Organizing software development efforts through community management, and helping attracting and onboard new developers

Q3. Helping to maintain technical infrastructure for code hosting, code review & testing to help the community produce quality software.

Q6. Serving as a neutral legal home for assets such as trademarks, logos and community intellectual property

Q8. Advocating for open source in general as a method for delivering technical innovation

Q7. Coordinating cross-community efforts among multiple open source projects, such as OpenStack and Kubernetes, or industry groups such as OSF, GSMA, ETSI, and Linux Foundation projects

Q9. Helping new OSS projects establish open governance

Q5. Organizing In-person events

Q2. Generating awareness and promotion of commercial products based on the software, through activities such as an online marketplace and through commercial licensing logo programs tied to validation & interop testing.

Q10. Investing in the success of projects not hosted by the foundation (such as projects that choose not to host at any foundation, or projects that are hosted with a different foundation)

Plot Area

What should Open Source Foundations Invest in? (Top 3)

1. Generating brand awareness and demand for the software the foundation hosts (such as OpenStack at OSF), including publishing case studies and engaging with press & analysts and other general marketing activities
2. Organizing software development efforts through community management, and helping attracting and onboard new developers
3. Helping to maintain technical infrastructure for code hosting, code review & testing to help the community produce quality software.

Foundation Model Feedback

Q: "When you look at the existing foundation models, what is the biggest thing you'd like to see changed for the better?"

Do	Don't
<ul style="list-style-type: none">• Balance 3 forces (users, ecosystem, developers)• Listen to users• Be bold and adapt• Collaborate with other foundations• Stay true to core values / beliefs, unique qualities• Focus• Manage scale in an efficient & effective manner	<ul style="list-style-type: none">• Fundraise without purpose• Be overly influenced by the big orgs• Fight the current (resist changing market)• Duplicate efforts• Ignore what made you successful• Spread yourself too thin by overreaching• Overextend financially

"I wish the smaller, more grass-roots foundations would grow to understand that there's more to open source success than just community (having lived through several projects that died, I know that a happy group of developers with no users is just failure in the end).

I wish the larger, more corporate foundations would grow to understand that there's more to open source success than just getting companies to make large donations."

OSF in 2025: consensus & questions

Q: "In 5 years, the OSF will focus mainly on...".

General Consensus

- Invest in supporting the projects we host through **marketing, community management/developer onboarding, and development infrastructure**
- "Be who we are" by balancing ecosystem/funding with users & developers
- OpenStack will continue to be a vital part of OSF
- Focus is key...

Open Questions

- Projects/scope: OpenStack vs. Open Infrastructure? Strengthen the core vs adding new projects
- Vertical focus? Telecom, edge..
- Integration / how do we best work with other communities & foundations?
- Single entity vs multiple sub-foundations?
- Future of OSF events and similar open source events? Scale. Regional vs Global. Virtual vs In-person.

"The OpenStack Foundation is well positioned to be more focused: 'infrastructure' projects which will be an enormous market."

Thank you!

