Introduction

The TODO Group and Linux Foundation Research are conducting a survey as part of a research project on the prevalence and outcomes of open source programs and similar open source initiatives operating across the globe. We are thankful for the support of Alibaba, CHAOSS, CyberTrust, Dynatrace, GitHub, InnerSource Commons, Kaiyuanshe, Open Infrastructure Foundation, Open Source Initiative, OpenChain, OpenSSF, and Salesforce as distributors of this survey.

This survey should take no more than 15 minutes of your time.

As a thank you for participating in this research, once you have completed the survey, a code will be displayed on the confirmation page which can be used for a 25% discount on any Linux Foundation training course or certification exam listed in our <u>catalog</u>.

Your responses are anonymous and will be used to compile a report to be released later this year. Only one response per organization will be included in the study results if you choose to provide that information.

Your name and/or organization name will not be displayed. Reviews are attributed to your role, organization size, and industry. Responses will be subject to the Linux Foundation's Privacy Policy, available at https://linuxfoundation.org/privacy. Please note that research partners who are not Linux Foundation employees will review the survey results. Survey partners are not permitted to use your data for other purposes.

2023 Open Source Program Office (OSPO) Survey

Tell a little bit about yourself, your organization and open source

* 1. Where is your organization on its open source journey? (select all that apply)
Using open source code in products or services
Contributing to upstream open source projects
Influencing open source projects via leadership or maintainer roles
Initiating or releasing open source projects
Collaborating with peers across open source projects and/or foundations
Not involved in open source
Don't know or not applicable
2. Please indicate what best describes who you are. (select one)
☐ I'm just lines of code
I am a real person
I am a bot
I just want to mess with the researchers
Onn't know or not sure

* 3. Professionally, which of the following best describes your role? (select one)
Oeveloper / Software Engineer
Other IT (e.g., Sys Admin, Tech Support)
Community Manager / Developer Advocate
IT Management (e.g. CIO, CISO, CTO)
Senior / Executive Management (non-IT)
Marketing / PR
Other
4. How many people work for your organization? If you are employed by a software integrator or consulting firm, or self employed, answer on behalf of the most current client you are primarily working for. (select one)
① 1 to 10
11 to 49
○ 50 to 249
250 to 999
1,000 to 9,999
10,000 to 19,999
20,000 or more
I am currently unemployed, a full-time student or retired
On't know or not sure
* 5. In which region does your organization have its headquarters? (select one)
Africa
Asia-Pacific (including Oceania)
() Europe
United States or Canada
Mexico, Central America, the Caribbean, and South America
Opon't know or not sure

6. Which response best describes the or	yamzation you work for: (select one)
"End user" organization that primarily uses IT pro	ducts/services to support its business activities
Hardware and/or software vendor	
Hardware and/or software supplier	
Embedded systems vendor	
System integrator or IT consulting firm	
Cloud service provider or managed service provide	er
Software reseller or distributor	
Non-profit association or foundation	
Academic or research institution	
Government entity or agency	
Other entity (please specify)	
2023 Open Source Prograus more about your organization and o	
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* 8. Does your organization have a formal policy governing use and contribution to open source projects in the following areas? (select one response per row)

	Yes	No	Don't know or not sure
Use of open source code in products (dependencies)			
Allowing staff to contribute to non-work-related open source projects in their personal time		\circ	\bigcirc
Releasing open source code or projects			
Contributing upstream to open source projects		\bigcirc	
Sponsoring open source projects, events or foundations			
Contributing to third-party and other projects not considered to be upstream		\bigcirc	
	_		
2023 Open Source Prograr	n Office (OS	SPO) Survey	
Tell us a bit about your organization and op	en source		
An Open Source Program Office (OSPO) is a center of expering nurture, share, explain, and promote the growth of open sou			people support,
The way the people behind an OSPO achieve this is by creatifollowing aspects: strategy, governance, compliance, and coraligning the organization's open source goals with its overall	mmunity engage	ment. The OSPO's st	
An OSPO serves as a vital bridge between an organization at the organization is a good steward of open source and can re minimizing risks.	-	-	-
* 9. Does your organization have an open s (select one)	source progr	ram or open sou	ırce initiative?
\bigcirc Yes, and it is formally structured with dedicated pe	rson-hours, repo	orting structure and/	or job titles
Yes, and it is informally structured, part-time and/o	r virtual		
No, but we are planning one			
○ No			
* 10. Which of the following best describes contributing to upstream open source pro			l policy on
Contributions are not permitted	, e e e e (e e e e	0 0110,	
Contribute if it is required by the open source licen	ıse		
Contribution is openly encouraged			
Opon't know or not sure			

Tell us about the open source program/initiative and its structure

11. What are the primary responsibilities of	of the open source program or initiative?
(select all that apply)	
Advise on open source tech and projects	Implement InnerSource practices and foster open source culture
Collaborate with open source organizations	_
Develop and execute open source strategy	Manage open source IT infrastructure
Eliminate friction from using and contributing to	Oversee open source compliance
open source	Prioritize and drive open source upstream development
Establish and improve open source policies and processes	Support the organization's development activities
Grow and retain open source talent inside the organization	Track performance metrics
Other (please explain)	
* 12. How many workers are part of your o	pen formal and/or virtual source program
or initiative? (select one)	
0 (no dedicated staff yet)	
<u> </u>	
<u>2-4</u>	
<u> </u>	
10 or more	
Opon't know or not sure	

	Where is the open source program or initiative located within the organization?
	e effort is informal, answer based on who the primary organizers report to.
` _	Legal
_	Software engineering and development
	IT or computing services
	Office of the CTO or CIO
	Developer relations, marketing or communications
	Security, compliance or risk management
	Faculty committee
	Technology transfer/licensing office Don't know or not sure
	Other (please specify)
	Does your open source program have an InnerSource team, strategy, or lement principles to drive open source culture within the organization? (select
	Yes, and we are the only stakeholder for the strategy
	Yes, and the strategy has multiple stakeholders
	No
	Don't know or not sure
15. V	What is your role in the open source program or initiative? (select one)
	Executive leadership or oversight (program manager reports to me)
	Program manager
	Legal compliance
	Engineering compliance
	Security
	Developer relations, advocacy and evangelism
	Open source developer or engineer (reporting to the open source office)
	Committee member
	No formal role
	Other (please specify)

 $The \ following \ optional \ question \ will \ be \ used \ to \ benchmark \ respondents \ based \ on \ their \ role.$

\$40,000-\$74,999 \$75,000-\$99,999 \$100,000-\$149,999 \$150,000-\$199,999 \$200,000-\$299,999 \$300,000 or more I prefer not to answer not to answer this question Don't know or not sure *17. In light of recent macroeconomic conditions, what is the likelihood the funding for your organization's open source initiatives will increase or decrete upcoming fiscal year? (select one) Very likely to decrease Somewhat likely to decrease Neutral Somewhat likely to increase Very likely to increase Don't know or not sure *18. How long ago was the program or initiative established? (select one) 0-2 years 3-5 years 6-10 years More than 10 years Don't know or not sure	
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○ More than 10 years ○ Don't know or not sure	
On't know or not sure	
. Are there any antipatterns (bad practices) that you would like to share abo	
. Are there any antipatterns (bad practices) that you would like to share abo	
···	out ho
SPOs are created or managed?	

Tell us about the program/initiative's impact

20. What are the areas where your organization	ation has most benefited from the open
$\begin{tabular}{ll} \textbf{source program or initiative?} & \textbf{(select all that)} \\ \textbf{(select all that)} & (select a$	t apply)
Increased developer recruitment and retention	Increased market adoption of open source projects
Faster development cycle and/or time to market with new products	Increased participation in external open source
Better license compliance	projects Increased transparency of collaboration
Lower licensing fees	
Lower support costs	Increased innovation
More influence in open source communities	Culture change, with improved interaction among departments
Increased contributions to in-house open source projects from external or third-party contributors	Better security testing and vulnerability management
More awareness of open source use and commercial dependencies	
Other (please specify)	
Don't know or not sure	
Don't know of not sure	
21. What are the ways your open source pr	ogram or initiative quantifies success?
(select all that apply)	ogram of initiative quantines success.
Fewer license violations	Frequency of dependency updates
Faster compliance process	Mean time to detect vulnerabilities
Volume of upstream code contributions	Time to market with new products
Number of open source projects initiated	Project code quality
Number of people in the organization who make	Cost savings
regular, repeat contributions to the same project	Internal awareness of open source and OSPO's
Market adoption or use of projects	work
Developer velocity, efficiency, and/or productivity	Reduces friction between developers and other staff (e.g., streamlining procurement, reducing
Developer hiring and onboarding	approval times)
Reach in open source communities	Project health metrics like active contributors, frequency of commits and diversity of organizations involved with a project
Other (please specify)	
Don't know or not sure	
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rinding and recruiting	a anon course derrolaners	License serve	alianco overbead
	g open source developers		pliance overhead
Ability to influence op		Getting team security appr	s on board with compliance and roaches
Executive awareness		Vulnerability	monitoring and remediation
Insufficient budget, p	orogram costs	Tracking met	crics and performance
Internal awareness of	f the program		n and adoption
External awareness (communications)	(marketing and	Don't know o	
Not at all critical Not so critical Somewhat critical Very critical Extremely critical Don't know or not sur	re rce program or initiat	ive had a positi	ve impact on the
llowing areas within	your organization? (s	elect one respons	se per row)
	Yes	No	Don't know or not sure
oftware practices			
desearch practices	\bigcirc		
Employee retention			

	Outside of your organization, what soc am or initiative having a positive imp	
	fore equitable access to digital public goods DPG)	Increased understanding of open source by non-developers
	fore equitable access to employment poortunities related to open source	Improved ability to work with open source communities
In	acreased interoperability	
O	ther (please specify)	
D	on't know or not sure	
	2023 Open Source Program	ı Office (OSPO) Survey
OSPO si	ustainability	
in the open projects). 27. Ho sustai N R So		
_ D	on't know or not sure	
	2023 Open Source Program	n Office (OSPO) Survey
OSPO sı	ustainability	
	does your OSPO communicate the wo ational teams (e.g., Legal, HR) and/or	

9. What best practices do you follow to ensure OSPO sustainability?	
O. What prevents your OSPO from communicating about its work to different rganizational teams?	
* 31. How does your OSPO or similar open source initiative work on improving o	 оре
source sustainability? (select all that apply)	
Advising the organization on the best ways to provide funding or launching related initiatives (e.g., contributor FOSS funds)	
Fostering and enabling contributions from the organization's workforce (e.g., educating developers of source software best practices, developing guides and best practices on how to contribute)	n op
Providing infrastructure and/or free or deeply discounted tools and services for use on open source providing infrastructure and/or free or deeply discounted tools and services for use on open source providing infrastructure.	roje
Promoting open source usage within the organization	
Providing employees time and/or an economic incentive to contribute to third-party open source projections.	ect
Don't know or not sure	
Other (please specify)	
The approximation does not work an onen course proteinshilts.	
The organization does not work on open source sustainability	
2023 Open Source Program Office (OSPO) Survey	
SPO sustainability inhibitors	
2. What prevents your OSPO from working on open source sustainability?	
2. What prevents your OSI O from working on open source sustainability:	
	4
2023 Open Source Program Office (OSPO) Survey	

Tell us about your OSPO plans

* 36. What does your organization aim to a	ccomplish by starting an open source
<pre>program? (select all that apply)</pre>	
Increased developer recruitment and retention	Increased market adoption of open source projects
Faster development cycle and/or time to market with new products	Increased participation in external open source projects
Lower licensing fees Lower support costs More influence in open source communities Increased contributions to in-house open source projects from external or third-party contributors More awareness of open source use and commercial dependencies Other (please specify) Don't know or not sure	Increased transparency of collaboration Increased innovation Culture change, with improved interaction among departments Better security testing and vulnerability management
* 37. What have been the top three biggest program or initiative? (select up to three res Strategy: planning or knowing how to approach it Finding an open source program manager Finding legal staff with open source expertise Setting an open source policy Getting executive support and buy-in Getting engineering support and buy-in Other (please specify)	
Don't know or not sure	

Why an OSPO is not in the plans

* 38. Why doesn't your organization have a	in open source program? (select all that
apply)	
Used to have one, but it ended	Don't see the business value
Have never heard of an open source program	Don't want to regulate or standardize open source
Haven't considered it Don't use or participate in open source Organization is too small to need one Organization's open source use and participation is too small to need one Other (please specify) Don't know or not sure	practices Time or resource constraints Want one but can't justify it
* 39. Would your organization benefit from (select one) Yes No	an open source program or initiative?
On't know or not sure	
2023 Open Source Progran	n Office (OSPO) Survey
ollow-up about OSPOs	
0. How would you approach creating an ope rganization?	n source program within your
	£

	-					
source program or initiative? (select up to the	ree responses)					
Increased developer recruitment and retention	Increased market adoption of open source projects					
Faster development cycle and/or time to market with new products	Increased participation in external open source					
Better license compliance	projects					
Lower licensing fees	Increased transparency of collaboration					
Lower support costs	Increased innovation Culture change, with improved interaction among					
More influence in open source communities	departments					
Increased contributions to in-house open source projects from external or third-party contributors	Better security testing and vulnerability management					
More awareness of open source use and commercial dependencies						
Other (please specify)						
Don't know or not sure						
2023 Open Source Program	2023 Open Source Program Office (OSPO) Survey					
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* 42. Why would your organization not bene						
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* 42. Why would your organization not bene Used to have one, but it ended Have never heard of an open source program Haven't considered it Don't use or participate in open source	efit? (select all that apply)					
* 42. Why would your organization not beneat 42. Why would your organization not beneat 42. Why would your organization not beneat 42. Why would your organization source program 42. Have never heard of an open source program 43. Haven't considered it 44. Don't use or participate in open source 44. Organization is too small to need one	efit? (select all that apply)					
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Open Source Usage and Software Practices

Don't know or Never Rarely Sometimes Frequently Always not sure Contribute code upstream Use open source code for noncommercial or internal reasons Use open source code in commercial products Recruit and hire developers to work on open source projects Train developers to contribute to open source projects Create its own open source projects Attend and speak at open source events or conferences * 44. How many open source projects does your company maintain? (select one) O **1-5** 6-10 11-50 51-100 101-1,000 More than 1,000 On't know or not sure st 45. How many developers (full time or part time) in your organization contribute to open source projects you depend on? (select one) \bigcirc 0 **1-5** 6-10 11-100 More than 100

Don't know or not sure

* 43. How often does your organization do the following activities? (select one per row)

* 46. What percen	tage of your o	rganization's pro	oducts include op	oen source		
components? (sele	ect one)					
1-20%						
21-40%						
41-60%						
61-80%						
81-100%						
Oon't know or not	sure					
We do not have pr	roducts with softwa	re components				
47. For each of the nd/or paid versions nultiple responses pe	s of the vendor	offerings to ma	_			
nandie reshouses he	or now are anow	vou)		Don't know or not		
	Free	Paid	Not used	sure		
GitHub						
GitLab						
BitBucket						
Gitee						
Other vendor						
* 48. Which techn on? (select all that		es your organiza	tion focus its ope	n source activitie		
AI, ML, Data & Ar	nalytics		Open Hardware			
Blockchain			Safety-Critical Systems			
CI/CD & Site Relia	ability		Security			
Cloud			Storage			
Containers & Virtualization			System Administration			
DevOps			Web & Application Deve	elopment		
IoT & Embedded						
Networking & Ed	ge					
Other (please spe	cify)					
_						
Don't know or not	applicable					

* 49. On avera	age, how often do your application development teams release code into (select one)
Hourly	
Daily	
Weekly	
Monthly	
Quarterly	
Annually	
Oon't know	or not applicable
	2023 Open Source Program Office (OSPO) Survey
License Compli	ance and Security
* 50. Does yo	ur OSPO or similar open source initiative directly address open source
security issu	es? (select one)
source proj	PO makes decisions on how the organization's workforce can identify security risks in open ects and how to help build more secure software in those projects (internal education, best practices, policies, etc.)
O No, but the	OSPO provides advice to the team unit / department that is in charge
O No, we don	't focus on open source security.
On't know	or not sure
Developer Ceprojects? (sel	ur organization require a Contributor License Agreement (CLA) and/or a ertificate of Origin (DCO) for external contributions to your open source ect one)
Yes, CLA	
Yes, DCO	
O No	
Oon't know	or not sure

* 52. Wh a one)	at is the prefe	erred license	ioi youi co	-	pon sour	ree projec	
MIT							
	3-clause						
	2-clause						
	ne 2.0						
GPLv							
GPLv							
LGPL							
AGPL							
	reference						
O Don't	know or not sure						
Other	(please specify)						
ll that a			heck for o	pen source	e license	complian	c e? (selec
ll that a	oply) nizational processe	es	heck for o	pen source	e license	complian	c e? (selec
ll that and Organ	oply) nizational processe rtmental-level prod	es cesses	heck for o	pen source	e license	compliand	c e? (selec
Organ Depa Autor	oply) nizational processertmental-level processertmental	es cesses	heck for o	pen source	e license	compliand	c e? (selec
Organ Depa Autor Case-	oply) nizational processertmental-level processenation of processe by-case basis	es cesses s	heck for o	pen source	e license	complian	c e? (selec
Organ Depa Autor Case- Don't	oply) nizational processertmental-level processertmental by-case basis know or not appli	es cesses s cable	heck for o	pen source	e license	complian	c e? (selec
Organ Depa Autor Case- Don't	oply) nizational processertmental-level processenation of processe by-case basis	es cesses s cable	heck for o	pen source	e license	complian	c e? (selec
Organ Organ Depa Autor Case Don't No pi	oply) nizational processe rtmental-level proc nation of processe by-case basis know or not appli rocesses or approa	es cesses s cable ches					
Organ Organ Depa Autor Case- Don't No pr	oply) nizational processe rtmental-level processe nation of processe by-case basis know or not application of approach to the company of the	cesses s cable ches rganization s that apply)					
Organ Organ Organ Organ Autor Case Don't No pr 54. Hove complian	oply) nizational processe rtmental-level production of processe by-case basis know or not application of approach to the control of the contr	es cesses s cable ches rganization s that apply)					
Organ Organ Organ Organ Obepa Autor Case Don't No pr 54. Hove complian	oply) nizational processe rtmental-level processe nation of processe by-case basis know or not application of approach to the company of the	es cesses s cable ches rganization s that apply)					
Depa Depa Autor Case- Don't No pr 54. Hove complian Depa	oply) nizational processe rtmental-level production of processe by-case basis know or not application of approach to the control of the contr	es cesses s cable ches rganization s that apply) es cesses					
Depa Autor Case- No pr * 54. Hove compliar Organ Autor	oply) nizational processe rtmental-level processe nation of processe by-case basis know or not appliation occesses or approact v does your or nce? (select all nizational processe rtmental-level processe	es cesses s cable ches rganization s that apply) es cesses					
Autor Case- Don't No pi S4. Hove complian Depa Autor Case- Case- Case- Case-	oply) nizational processe rtmental-level proc nation of processe by-case basis know or not appli rocesses or approa v does your or nce? (select all nizational processe rtmental-level proc nation of processe	cesses s cable ches rganization s that apply) es cesses					

	nany tools do you or your team use to automate and enforce open source
license con	apliance? (select one)
O	
_ 1	
_ 2	
3-5	
More tha	n 5
O Don't kno	ow or not applicable
	2023 Open Source Program Office (OSPO) Survey
The survey is	almost done
These last two que	estions are optional.
Thoso last two que	outons are optional.
56. What is th	te name of your organization? (This information will not be published)
Organization	
Ü	
57. If you are	interested in participating in an in-depth interview, please provide us
with your nan	ne, email address, and the name of your organization.
Name	
Organization	
Organization	
Email	

Thank you for completing this survey. TODOSURVEY23 is a 25% discount code on any Linux Foundation e-learning training course or certification exam, as long as you register for a course before June 30, 2023. You can find the complete catalog of training and certifications at https://training.linuxfoundation.org/full-catalog/. This discount code is not valid for any other combination of FINOPS or instructor-led training courses or certifications.

When possible, we will also email you a copy of the findings based on the data collected and analyzed in this survey. The findings will be emailed and made available in 2023 H2 on the Linux Foundation's <u>website</u>.