



Building an open source program office

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Agenda

- › OSPO - what and why
- › Organizational Models
- › Staffing
- › Roles and Responsibilities
- › Challenges
- › Samsung's Experience with OSG
- › Recommendations on making an impact
- › Closing



OSPO: Why and What

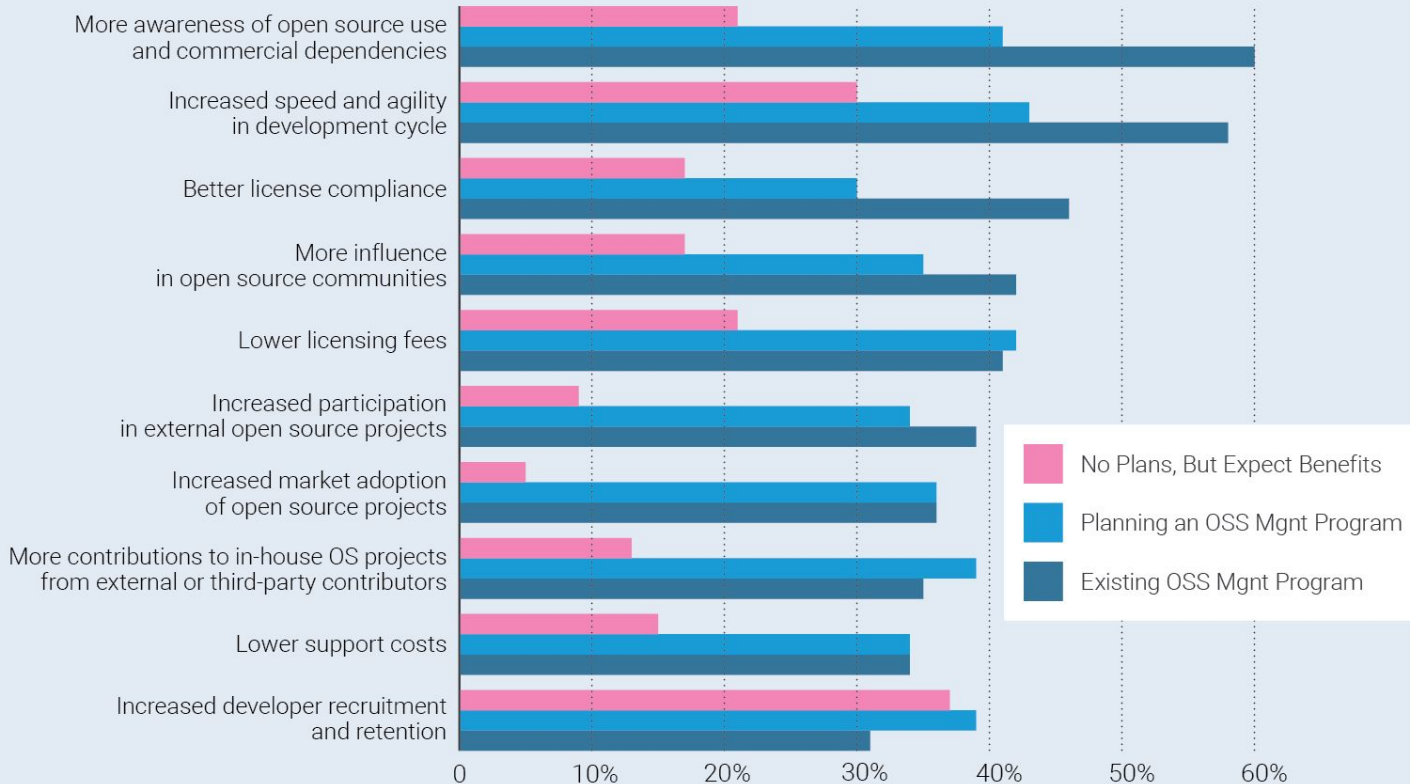
What

Program office that oversees open source work across the organization

Why - Open Source Enables New Opportunities

- › Provide market leadership by focusing R&D investment to improve key open source technologies that are complementary to differentiated capabilities in products.
- › Defend existing market positions by supporting key open source initiatives and consortia, selectively releasing proprietary capabilities as open source to disrupt competitors or competing markets, and use open source to level the technology playing field.

Benefits of Open Source Programs



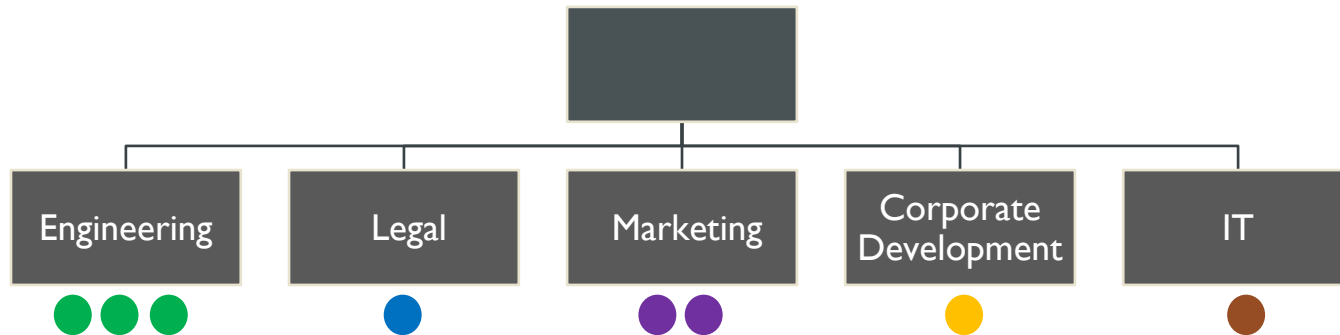
Source: Open Source Program Survey. Q. What are the areas where your company has most benefited from the open source program? (Check all that apply) n=156. Q. What does your company aim to accomplish by starting an open source program? (Check all that apply) n=74. Q. What are the top three ways your company would benefit from an open source program? (Choose three) n=201.



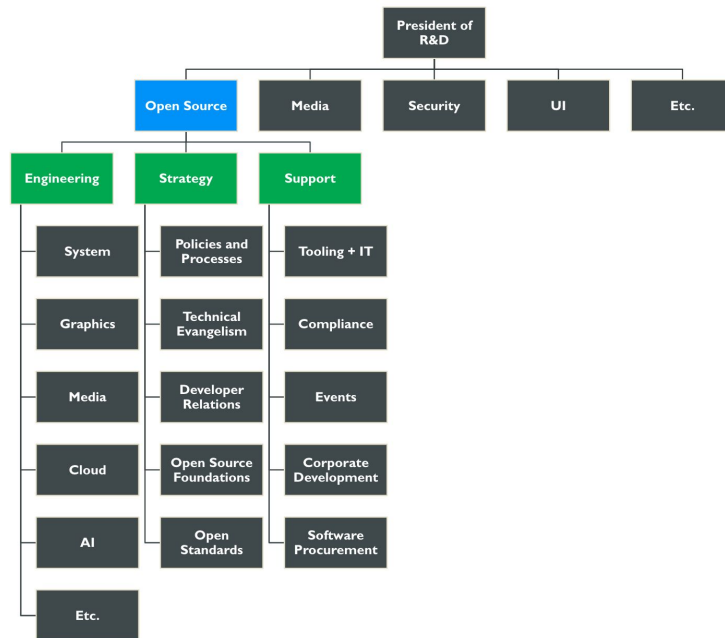
Organizational Models

No OSPO

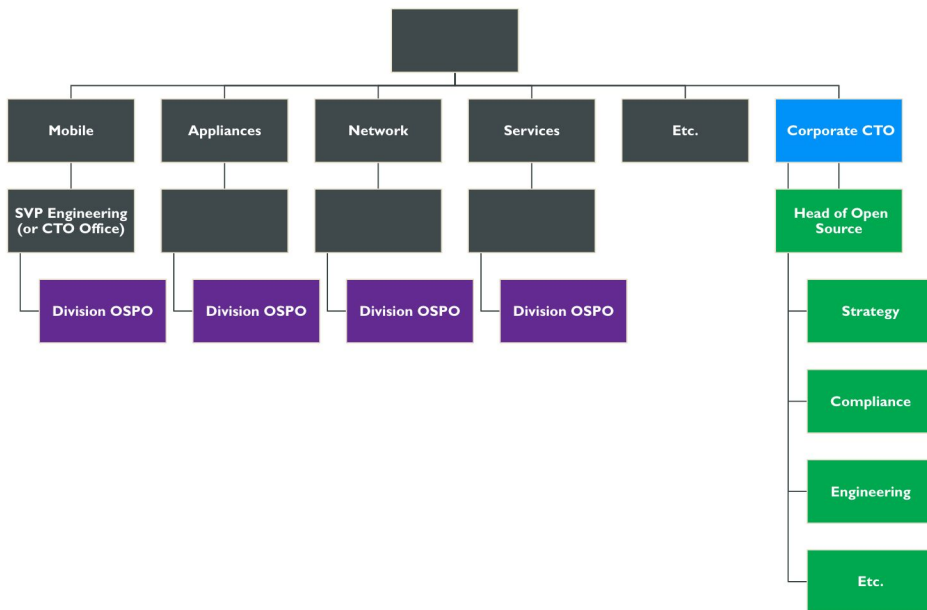
Virtual OSPO



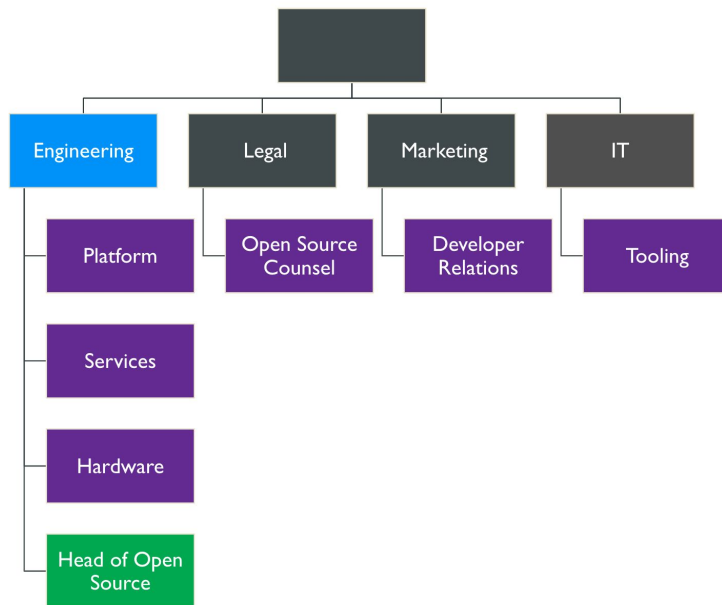
Independent organization with engineering resources



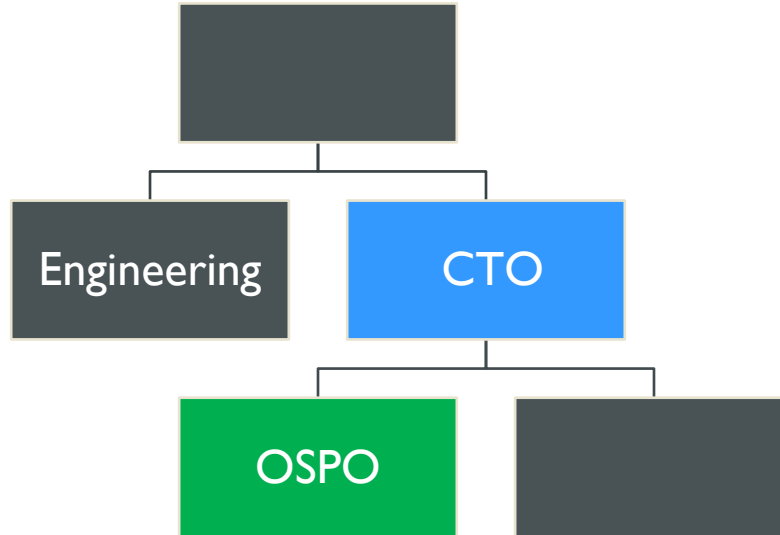
Corporate-level OSPO with supporting division-level OSPOs



Within the engineering organization



Within the CTO office



**one
size
doesn't
fit
ALL**



Staffing

Staffing

- › The staffing of an OSPO depends on many variables. However, several roles are required regardless of the specific structure of any given OSPO. These roles do not have to be distinct positions.
- › Distinguished individuals with a very strong set of skills can fulfill more than one role.

OSPO Staff

Head of OSPO

The Head of the OSPO is sometimes called Director or Vice President of Open Source, depending upon the size of the organization and the open source team. The Head of Open Source is responsible for managing and executing company-wide open source strategy and business metrics to track the business and technical success of the open source program. Depending on the structure of the OSPO, the office leader can also be responsible for open source engineering resources, ensuring open source compliance, representing the company towards open source organizations, and participating in open standards efforts.

Software Architect

We believe it is mandatory for an OSPO to have a Senior Software Architect or a Principal Engineer to act as a high-level technical decision maker on topics related to open source software, from design choices to technical standards, such as platforms and coding standards.

OSPO Staff

Technical Evangelist

A technical evangelist is an individual with a strong technical background whose primary role is to evangelize the open source contributions and solutions developed by the open source group to the company's customers, prospects, and partners, and the open source community in general. They are responsible for building demonstrations at events, delivering technical presentations, creating documentation, and generally building support to a critical mass for a given technology.

Compliance Engineer

The compliance engineer supports the execution of the company's compliance policy and process, ensuring the company fulfills all license obligations for the open source software used in products and services. Some OSPOs have complete ownership of the open source compliance function; in these cases, the OSPO may need to host multiple compliance engineers.

Legal Counsel

It is rare for an OSPO to have a Legal Counsel among its staff. In most cases, having access to a legal counsel versed in open source licensing is sufficient for small and medium size companies.



Roles and Responsibilities

Primary responsibilities

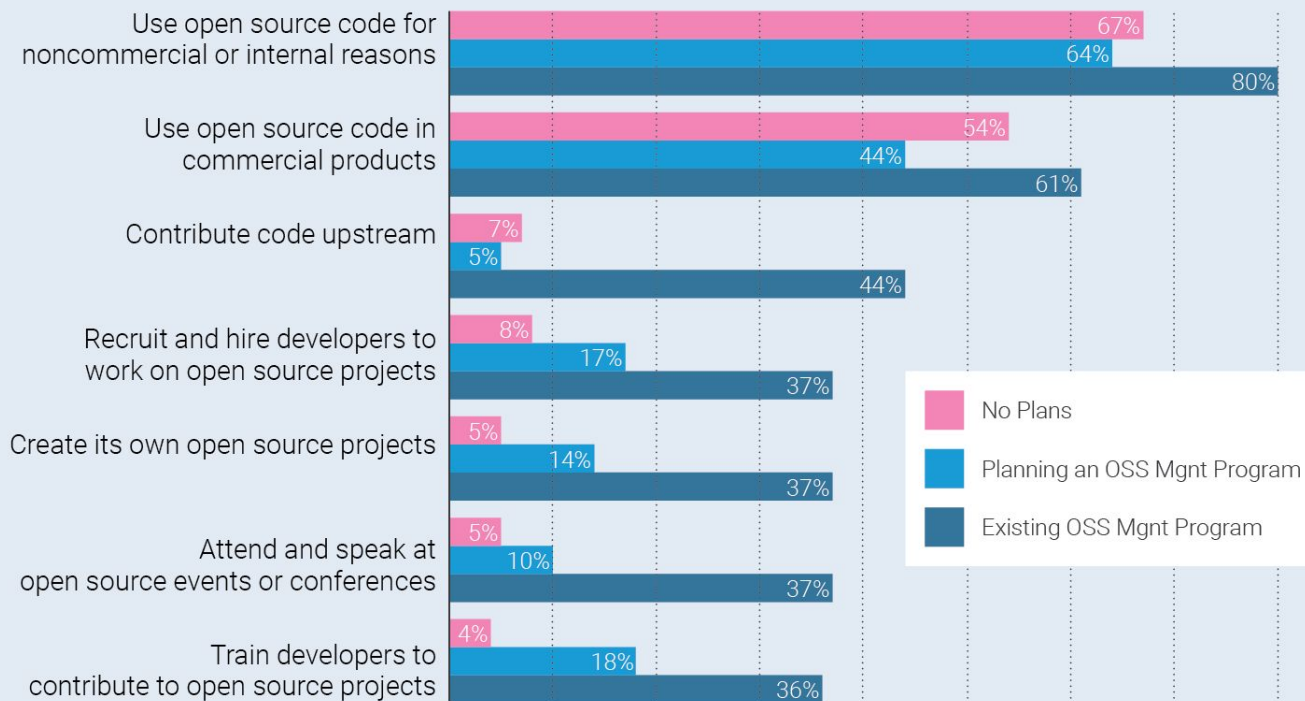
- › Develop and execute open source strategy
- › Oversee open source compliance
- › Establish policies, processes, guidelines
- › Prioritize and drive open source upstream development
- › Work with open source foundations
- › Track performance metrics
- › Implement innersourcing practices
- › Grow open source talent inside the company
- › Be the advisor on all open source matters
- › Manage open source IT infrastructure
- › Eliminate friction from using or contributing to open source
- › Support corporate development activities (M&A)
- › Collaborate with universities on open source projects
- › Say “No” when needed

Consensus About the Role of Open Source Programs

- 77% Foster open source culture within organization
- 74% Maintain open source license compliance reviews & oversight
- 73% Own & oversee execution of open source strategy
- 73% Communicate open source strategy within & outside company
- 72% Facilitate effective use of OS in commercial products & services
- 60% Select/set up infrastructure & tooling for OS use, contribution & creation
- 57% Develop & deliver open source training, resources & documentation
- 53% Launch new open source projects
- 50% Engage with developer communities so company contributes back to other projects effectively
- 49% Ensure high-quality & frequent releases of code to open source communities

Source: Open Source Program Survey. Q. What are the primary responsibilities of the open source program? (Check all that apply) n=145.

Companies with OS Programs More Likely to Contribute Code, Recruit OS Developers and Create New Projects



Source: Open Source Program Survey. Q. How often does your company do the following activities?
Existing OSS Management Program, n=278; Planning an Open Source Program Management, n=119; No Plans, n=347.

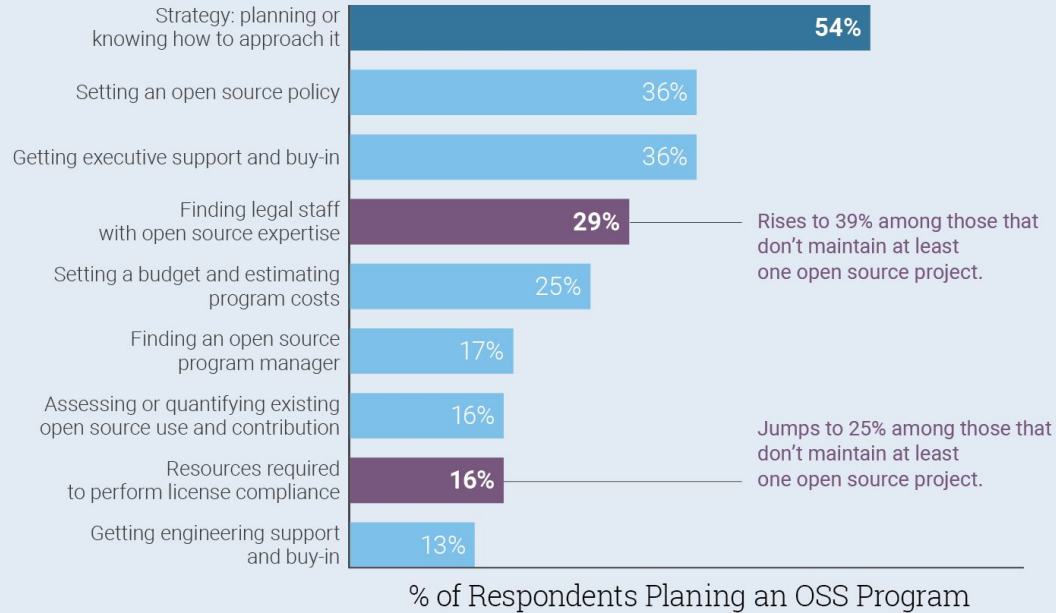


Challenges

Challenge Areas

Culture	Processes	Tools	Continuity	Education
Development model Collaboration Transparency Meritocracy Team formation Hiring practices Right success metrics	Governance Usage Compliance Contribution Approvals Operational model	IT infrastructure Development tools Metric tracking Knowledge sharing Code reuse	Strategy Projects Priorities Funding Executive support	Executive education Knowledge transfer Technical training Compliance training Mentorship program

Challenges in Establishing an Open Source Program



Source: Open Source Program Survey.

Q. What have been the top three biggest challenges in establishing an open source program? (Choose three) n=76.



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