



State of Open Source Infographic

Highlights From the 2023 State of Open Source Report

A selection of key findings from the 2023 State of Open Source Report, a collaboration between OpenLogic and the Open Source Initiative (OSI).

Download the complete report today to see the full results – including the most popular open source projects by technology niche, industry, and organization size.

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About the Survey

The 2023 State of Open Source Report is based on an anonymous survey conducted between September 27 and November 15, 2022. It targeted professionals around the world working with open source software in their organizations. The survey received a total of 872 qualified responses.

To help segment and analyze the survey results, we first asked respondents some basic demographic and firmographic questions about their industry, organization size, region, and job title.

INDUSTRY

Unsurprisingly, the largest block of this year’s survey respondents — about a quarter — work for technology companies. Consulting or professional services was the next most common sector, followed by manufacturing (including hardware and microprocessors), banking, and telecommunications.

Other

ORGANIZATION SIZE

Organizations of all sizes are working with open source, and the following graph shows the distribution of respondents by organization size.

REGION

Open source software usage is truly global, and this year, we received responses from every major region in the world.

This year’s survey respondents held a variety of job titles including:

- Firmware or Embedded Systems Developer
- Tech Lead
- Full Stack Developer
- Product Manager
- Backend Developer
- Engineering Manager
- Support Engineer
- Devops Engineer
- Evangelist
- Architect
- CIO and CTO

Survey Results

Has Your Organization Increased the Use of Open Source Software Over the Last Year?

Looking at the responses to this question by industry, we see that the Telecommunications and Energy, Oil & Gas sectors are among those that have significantly increased their use and adoption of open source software in the past year.

Industry	Yes Significantly	Yes	No, it remained the same	No, we reduced the use of OSS	Total
Technology	41.82%	39.55%	17.27%	1.36%	25.52%
Consulting or Professional Services	41.96%	36.36%	20.98%	0.70%	16.59%
Telecommunications	46.77%	43.55%	8.06%	1.61%	7.19%
Banking, Insurance, or Financial Services	39.19%	43.24%	14.86%	2.70%	8.58%
Education or Research	40.48%	30.95%	26.19%	2.38%	4.87%
Vehicle, Transportation, or Logistics	27.78%	38.89%	27.78%	5.56%	4.18%
Government or Public Services	43.40%	41.51%	13.21%	1.89%	6.15%
Healthcare or Pharmaceuticals	37.70%	39.34%	22.95%	0.00%	7.08%
Manufacturing	39.53%	44.19%	16.28%	0.00%	9.98%
Retail	40.63%	28.13%	31.25%	0.00%	3.71%
Media or Gaming	45.71%	34.29%	17.14%	2.86%	4.06%
Energy, Oil, or Gas	66.67%	27.78%	5.56%	0.00%	2.09%

What Are the Top Reasons Your Organization Uses Open Source Software?

Other

The #1 reason organizations use open source software is to have access to innovations and the latest technologies.

Looking at responses by geography, it turns out that **access to innovations and latest technologies** — while consistently in the top four — is not the first choice in other parts of the world.

Top Reasons In North America

Top Reasons In Europe

Top Reasons In United Kingdom

Top Reasons In Asia

Organizations also choose open source because of the functionality to improve development velocity and the ability to contribute to open source projects and influence their direction.

Which Categories of Open Source Software Has Your Organization Invested In the Most In Terms of Projects, Budget, and Resources?

SDLC tools, containers, and databases are the top three most invested in and most commonly used open source technologies.

What Are Your Organization's Top Support Challenges While Using Open Source Software?

While it's evident that open source software adoption is increasing, there are certainly areas where organizations have challenges, especially when it comes to technical support.

How Do You Describe the Level of Open Source Maturity In Your Organization?

Security is top of mind for organizations using OSS — 46% perform scans to identify vulnerabilities and 35% have security and/or compliance policies.

In Order of Importance, From Not Important to Most Important, Rank the Following Technologies in Relation to Your Organization's Desire To Implement Them in the Next 18 Months

Technology	Not Important	Mildly Important	Important	Very Important	Most Important
Kubernetes or Kubernetes Operators	16.34%	20.30%	31.97%	21.00%	10.39%
Data Science	11.88%	23.52%	29.22%	27.20%	8.19%
Artificial Intelligence / Machine Learning / Deep Learning	11.29%	20.82%	30.12%	26.24%	11.53%
Virtual Reality or Augmented Reality	19.74%	20.21%	24.82%	24.94%	10.28%
Blockchain/Crypto	20.98%	20.38%	27.46%	21.22%	9.95%
Nonfungible Tokens	25.30%	17.87%	28.66%	20.02%	8.15%
Serverless/Functions	11.88%	21.26%	33.25%	25.06%	8.55%
Quantum Computing	20.72%	22.16%	26.35%	22.28%	8.50%

This year, Artificial Intelligence (AI)/Machine Learning (ML)/Deep Learning (DL) edged Kubernetes by 1% as the most desirable and important technology to implement in the next 18 months.

For more data and insights, download the full report.

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