

The Evolution of Open Source at the Linux Foundation

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What is open source software?

Open source software (OSS) is a type of computer software in which source code is released under a license in which the intellectual property holder grants recipients the rights to study, use, change, sell and distribute the software to anyone and for any purpose. Open source software may be developed in a collaborative public manner. Open source software is a prominent example of open collaboration.







Adapted from: https://en.wikipedia.org/wiki/Open-source_software

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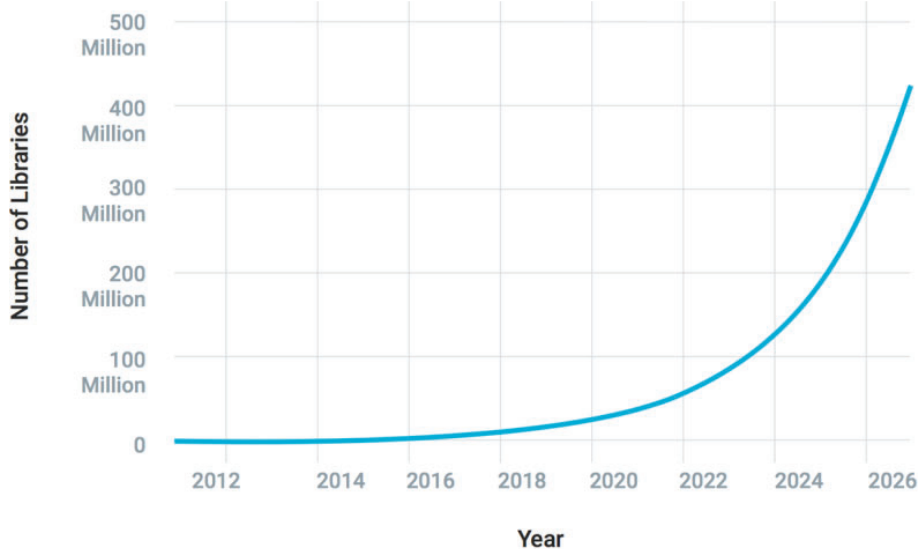
Open source evolved with decades of systems evolution to address the needs of developers, admins and users

	Mainframe Programs	UNIX	Free Software "GNU is Not UNIX"	Linux	"LAMP" Stack	Open Source is the norm
Systems Trend	 Centralized, monolithic systems	 Modular software on distributed systems	 Free software revolution against proprietary UNIX	 GNU/Linux platform wins commercial ecosystem support	 FOSS leaps to server middleware	 FOSS becomes the core of software
Key Issues	Limited access, slow evolution	Fragmented proprietary systems	Social movement thrived but incomplete and limited adoption	"Proprietary vs FOSS" FUD	"Proprietary vs FOSS" FUD v2.0	Sustainability of the core projects
Business model trend enabled	System and HW support	Volume SW licensing	Self support	SW support subscription	Open core and new business models	Cloud service model
	1955	1970's	1983	1991	1998	2005+

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Open Source is on an exponential growth curve, making it readily accessible to developers building production-ready systems



[:] SourceClear

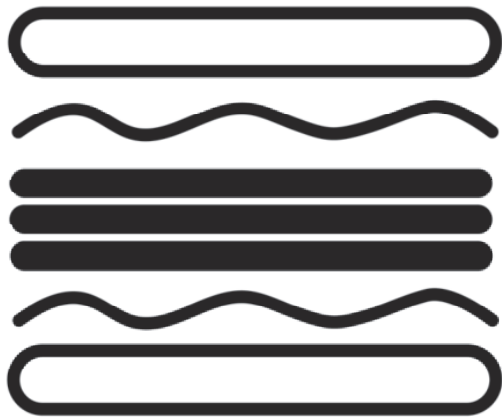
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<https://www.sourceclear.com/resources/the-busy-managers-guide-to-open-source-security/chapter1/>

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Today open source generally comprises 80-90% of a modern system's total codebase



Use Open Source Libraries to Solve Problems
Open Source Code (~70%)

Write Custom Code
Custom Code (~10%)

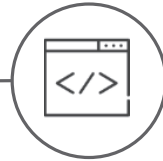
Choose a Framework
Open Source Code (~20%)

We all see the open source ecosystem is still accelerating

31M+
Open Source
Developers



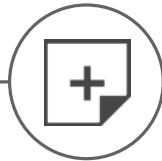
41B+
Lines of Code



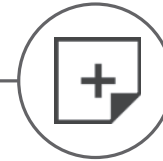
10,000+
New Versions
per Day



96M+
Repositories on
GitHub



1,100
New Projects a
Day



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