

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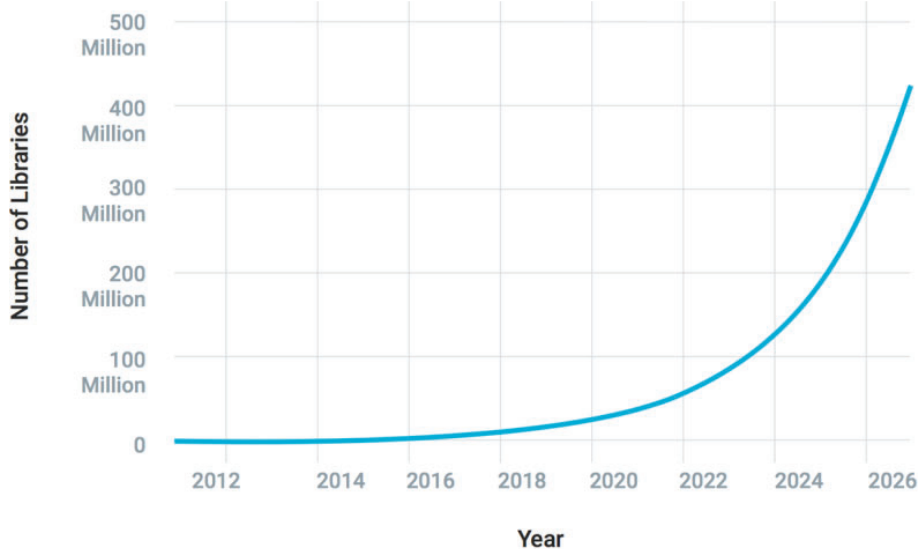
Open source evolved with decades of systems evolution to address the needs of developers, admins and users

| | 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

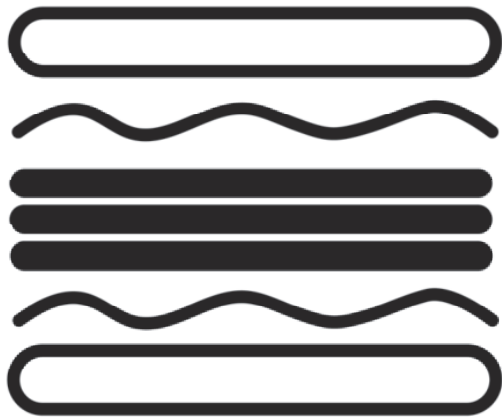
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<https://www.sourceclear.com/resources/the-busy-managers-guide-to-open-source-security/chapter1/>

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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%)

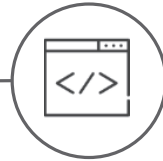
Choose a Framework
Open Source Code (~20%)

We all see the open source ecosystem is still accelerating

31M+
Open Source
Developers



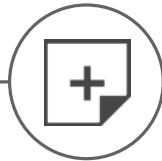
41B+
Lines of Code



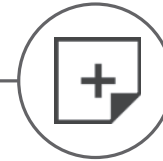
10,000+
New Versions
per Day



96M+
Repositories on
GitHub



1,100
New Projects a
Day



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