

Open Source as a driver of modern software

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It's Not Just Code, It's Infrastructure context



*«99% of Fortune 500 companies currently use open source software. <...>
Over 56 million developers are contributing to open source projects.
<...> Due to ever-rising workloads, the Linux operating systems market
is expected to grow at the rate of 7% a year, reaching \$9.7 billion by
2024.»*

Pranay Ahlawat, Boston Consulting Group

Article [«Why You Need an Open Source Software Strategy»](#), April 2021

Why Companies Embrace Open Source advantages

- **Cost & Flexibility:** Reduces costs, prevents vendor lock-in. Code is modular and customizable.
- **Security & Quality:** "Many eyes" review code. 15,500+ developers from 1,400 companies contribute to the Linux kernel.
- **Talent & Community:** Majority of most popular projects were born as OS.
- **Profile:** all what you do, it's save as history of your experience.

Navigating the Challenges risks

- **License Ambiguity:** Unlike commercial software with clear agreements, OSS licenses can be complex.
- **The "Copyleft" Trap:** Licenses like **GNU GPL** can force you to open your *own* proprietary code if you distribute modified versions.
- **Liability Void:** No single entity (like a vendor) bears legal responsibility for failures. Companies assume the risk themselves.
- **Supply Chain Attacks:** Malicious actors can infiltrate popular projects (like the **log4j** incident) affecting millions.

A Rapidly Expanding Market trends

Containers & Kubernetes

Orchestrates 50% of global containers, projected 85% by 2024. Market to grow 35% annually to \$7.5B.

Edge Computing

Driven by IoT (20B to 41B connections by 2025). OSS platform segment to grow from \$10B to \$24.9B (2020-2024).

The 'Open Core' Model

Mix of free OSS core + paid proprietary features/services (e.g., *Red Hat*, *GitLab*).

Thank you, let's discuss qa