DPDK
DATA PLANE DEVELOPMENT KIT

Powering the Future of Networking Software & Applications

Corporate Membership 2024

Why Membership Matters

Influence and Time to Market

- Faster, easier, and respected upstream path into DPDK
- Increased professional credibility & responsiveness for maintainers & active participants
- Collaboration opportunities, potential partnerships, and access to a network of expertise

Increased ROI

- Single point of investment to promote/sustain an ecosystem of fast path NIC vendors
- Open source engagement improves talent acquisition and retention
- Exclusive access and customer referral to independent benchmark testing from the DPDK lab

Enhanced Market Perception & Customer Reach

- DPDK & Linux Foundation communications increases awareness of your related offerings
- Market perception of open development project governance and Linux Foundation affiliation
- Increased credibility with customers by virtue of formally functioning as a member

Corporate Membership Benefits

Unlock opportunities for influence and innovation & enhance your enterprise strategies

Gold membership

- Secure a Governing Board seat for direct influence over community decisions
- Engage in key initiatives through participation in Governing Board work groups
- Access the Community Lab for rigorous testing and integration
- Enjoy exclusive access to premier events and networking opportunities
- Amplify your relevance and reach with DPDK and Linux Foundation marketing resources

Silver membership

- Indirectly shape community decisions via shared Governing Board seats
- Amplify your relevance and reach with DPDK and Linux Foundation marketing resources
- Seamlessly transition towards Gold membership with an introduction to the community

Associate Members (non-profit, educational, and governmental participation)

- Gain invaluable exposure to community operations
- Foster connections and knowledge-sharing through dedicated networking opportunities

Join & Network with Industry Leaders

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GOLD

AMD | arm | ERICSSON | intel

MARVELL | Microsoft | NVIDIA | Red Hat | ZTE

SILVER

6WIND | NXP | BROADCOM | HUAWEI

ASSOCIATE

Eötvös Loránd University | iol University of New Hampshire InterOperability Laboratory | KAIST | 清华大学 THINGHUA UNIVERSITY 1911 | UNIVERSITY of LIMERICK OLLSCOIL LUIMNIGH | UMASS LOWELL

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Track Record of Stability & Growth

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2023 Project Growth (vs 2022)

3.2k
Total Contributors **+6%**

64.2k
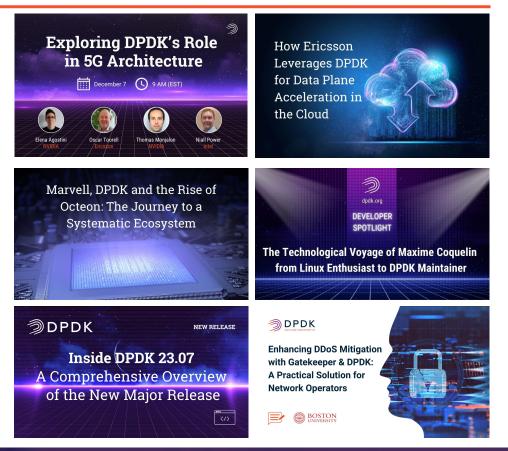Total Commits **+8%**

79.5M
Total LOC **+5%**

*LFX Insights Dec 2023

Marketing & Communications

DPDK membership includes features in user stories, developer spotlights, webinars, newsletters, press releases, research papers, developer campaigns and more across DPDK and Linux Foundation content and channels.
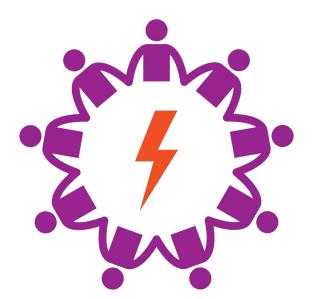
Together, they underscore the practical impact and human element behind the DPDK project, amplifying your relevance and customer reach in the networking space.

Exploring DPDK's Role in 5G Architecture

December 7   9 AM (EST)

Elena Agostini
NVIDIA

Oscar Toorell
Ericsson

Thomas Monjalon
NVIDIA

Niall Power
Intel

How Ericsson Leverages DPDK for Data Plane Acceleration in the Cloud

Marvell, DPDK and the Rise of Octeon: The Journey to a Systematic Ecosystem

dpdk.org

DEVELOPER SPOTLIGHT

The Technological Voyage of Maxime Coquelin from Linux Enthusiast to DPDK Maintainer

DPDK   NEW RELEASE

Inside DPDK 23.07
A Comprehensive Overview of the New Major Release

DPDK
DATA PLANE DEVELOPMENT KIT

Enhancing DDoS Mitigation with Gatekeeper & DPDK: A Practical Solution for Network Operators

BOSTON UNIVERSITY

Unlock Tomorrow's Insights Today

As a corporate member of the DPDK community, your engineers will:

- Gain exclusive access to bleeding-edge trends and upcoming design architectures before anyone else
- Hold a pivotal role in shaping the direction of projects and testing frameworks through a voting seat
- Drive innovation and stay ahead of the curve within the DPDK community

What does Membership fund?

- Engineering resources in the Community Lab
- All costs associated with the CI/CD Lab (HW, SW licenses, physical space)
- Two events per year co-managed with The Linux Foundation events team
- Linux Foundation program management resources to support meetings
- Linux Foundation marketing resources to support program management, DevRel, develop and promote original member content and amplify member and project communications.

The (UNH) Community Lab

Enhanced rigorous testing of code contributions and cards

In 2023 the Community Lab has worked to update their internal container build system to make it OCI compliant. That has allowed the lab to seamlessly offer the same test coverage for arm64 platforms which was previously offered only for x86 systems. The lab has also made other expansions for ARM, like adding arm32 unit tests to CI runs, and is proud to say there is now parity between x86 and ARM test coverage in the Community Lab

Latest card tests:

Mellanox CX-7s

Marvell

Upcoming:

Intel E810

Available Hardware Provided by: arm   BROADCOM   intel   NVIDIA   Microsoft

Hosted at University of New Hampshire

iol University of New Hampshire InterOperability Laboratory

Community CI details
Community Lab dashboard

> Read their latest update

New Libraries

These new libraries demonstrate DPDK's continued commitment to the development of bleeding edge networking applications

(PDCP) Packet Data Convergence Protocol

Software Framework: Event Dispatcher

Hardware Accelerator Type: Machine Learning Devices

> view all libraries

What our Members Say

DPDK brings unparalleled and extreme focus on network performance. DPDK is very well organized, with good code structure and great documentation to simplify onboarding. It has a sensible multi-platform strategy, feasible for Windows inclusion. Specifically, the modularity and cohesion of the components and ease of combining the minimal necessary libraries to achieve application performance goals - **Microsoft**

We needed to shift from doing packet processing on special purpose hardware, to doing it on cloud-based general compute hardware. DPDK enabled this - it created versatility and broadened external access. It significantly helped Ericsson meet our customers' needs and demands as those changed in scale, and gave our team greater portability as well. And the ability to be able to reuse it across different departments without having to rewrite code was, and is, a significant benefit - **Maria Lingemark, Senior Software Engineer, Ericsson**

DPDK presents huge advantages for us - it breaks us free of the limitations of flow within packet processing, and offers a broad array of functions we can use, with diverse applications. We can request a packet, make the modifications that we need, do reassembly using the DPDK libraries, cue the packets and decide when to send them. The ease of use and flexibility are remarkable - **Morten Brorup, SmartShare Systems**

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Together, let's shape the future of high-performance networking

> JOIN US

Explore Linux Foundation Membership Benefits here