

# Documents & Collateral

Open Source virtual event @Infosys - OSPO CodeCon 2023, July 2023

- L3AF Introduction, eBPF technology and Demo  
Presenter : [Ajay Raut](#)

Session Presentation:



Recording :



LFN Developer & Testing Forum, June 2023:

- [L3AF R1 Overview of L3AF Project and Demo.](#)
- Use Case: [L3AF: Integration with 5G-UPF \(User Plane Function\)](#)
- Presentation: [L3AF Integration with 5G-UPF.pdf](#)
- June D&TF YouTube Channel: [https://www.youtube.com/playlist?list=PL0bkBeEamheCKGzIN\\_Rz0cGGmjnhes3C](https://www.youtube.com/playlist?list=PL0bkBeEamheCKGzIN_Rz0cGGmjnhes3C)

## L3AF Integration with 5G-UPF (User Plane Function)

[L3AF](#) introduces a comprehensive UPF architecture with support for hooks through [AF\\_XDP](#). This allows developers to integrate custom multiple eBPF programs to enhance packet processing capabilities, offering greater control and flexibility in handling network traffic.

The L3AF approach brings several advantages; it enables developers to create multiple eBPF programs to enhance UPF functionality, resulting in efficient packet processing and improved network performance. Additionally, L3AF provides horizontal and vertical scaling options, allowing the deployment of multiple UPFs with multiple eBPF programs.

A Proof of Concept, lead by [NgKore](#), demonstrates the Integration of L3AF with 5G-UPF (User Plane Function)

Links to Collateral:

- YouTube: [L3AF Deployment and Integration with UPF](#)
- Technical Presentation: [L3AF: Integration with 5G-UPF\(User Plane Function\)](#)

#### Blog- Open Sourcing of Traffic Mirroring, May 2023:

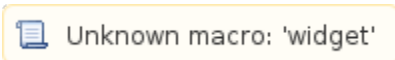
- <https://medium.com/walmartglobaltech/open-sourcing-traffic-mirroring-ebpf-package-to-the-l3af-project-2e4cb7ec941c>
- <https://lfnetworking.org/open-sourcing-traffic-mirroring-ebpf-package-to-the-l3af-project/>

#### Relevance of eBPF to LF-ANUKET - Proposal to collaborate:



#### Cloud Native eBPF Day Europe, May 2022:

- ☐ [Santhosh Fernandes](#)add slides from eBPF Day



#### LFN Developer & Testing Forum, January 2022:

- [L3AF: eBPF for Windows and Cross Platform eBPF programs](#)

#### L3AF Blog Series:

Part 1: <https://medium.com/walmartglobaltech/introducing-walmarts-l3af-project-how-do-we-use-ebpf-to-provide-network-visibility-in-a-8b9ae4d26200>

Part2: <https://medium.com/walmartglobaltech/introducing-walmarts-l3af-project-xdp-based-packet-processing-at-scale-81a13ff49572>

Part 3: <https://medium.com/walmartglobaltech/introducing-walmarts-l3af-project-control-plane-chaining-ebpf-programs-and-open-source-plans-b96c54823ada>

#### October 2021 Press Release:

<https://www.lfnetworking.org/announcement/2021/10/11/walmart-moves-production-grade-networking-project-l3af-to-the-linux-foundation/>



**ONE Summit- October 2021:** Introducing L3AF, a Platform to Launch and Manage eBPF Programs



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**eBPF Summit Video (August 2021):**

<https://lnkd.in/gAVTR2Z2>

[https://lnkd.in/gzFtP\\_nn](https://lnkd.in/gzFtP_nn)

**Logo files-** [L3AF Logo Zip File.zip](#)

**L3AF Power Point Template -** [L3AF\\_PPT.pptx](#)

**LFN Developer & Testing Forum, January 2022:**

- [L3AF: eBPF for Windows and Cross Platform eBPF programs](#)

**Technical Charter Updated -** [Technical Charter - Updated](#)