

11-17-2021 TSC Meeting Minutes

TSC Meeting [Zoom link](#)

[Meeting Recording](#)

[Meeting Chat File](#)

Attendees & Representation. Please add your name to the attendance table below.

Attendees	
Name	Company
Dave Thaler	Microsoft
Daniel Havey	Microsoft
VM (Vicky) Brasseur	Wipro
Karan Dalal	Walmart
Juraj Vijtiuk	Sartura
Eric Tice	Wipro
Dhivya Reddy	Walmart
Satya Ranjan Pradhan	Walmart
Kartik Nagpal	
Rishabh Gupta	Walmart
Ragalahari Potti	Walmart
Brian Merrell	Walmart
Santhosh Fernandes	Walmart
Christopher Liljenstolpe	Cisco
Neil Hoff	
Jason Niesz	Walmart

LF Staff: [LJ Illuzzi](#)

Agenda

- Start the Recording
- We will start by mentioning the project's Antitrust Policy, which you can find linked from the LF and project websites. The policy is important where multiple companies, including potential industry competitors, are participating in meetings. Please review and if you have any questions, please contact your company legal counsel. Members of the LF may contact Andrew Updegrove at the firm Gesmer Updegrove LLP, which provides legal counsel to the LF.
 - [Antitrust Policy](#)
- General Topics
 - LF Antitrust Policy
 - Welcome to new attendees
 - Use Cases
 - Roadmap
 - Project structure
 - Governance
 - Technical Steering Committee
 - [Developer and Testing Forum in January 2022](#) (virtual event)
- Focus
 - Updates on ebpf.io PR - [PR](#) has been submitted. 2-4 week leadtime based on backlog
 - Updates on [Build](#) - Satya provided update on ci-build.yaml (PR links: [l3afd](#), [ratelimiting](#), [connection-limit](#))

- Proposals on Kernel Function MarketPlace
- Proposals on L3af with Kubernetes
- QnA

Minutes/Updates

Date: 11.17.2021

Meeting Proceedings:

- Kernel function marketplace
 - Scoping point:
 - Love this direction
 - Please don't call them kernel functions
 - They can run in NIC processors, UM daemons, etc.
 - Don't limit to kernel
 - XDP can run in card not in the kernel
 - Suggested Name: eBPF Program Repository
 - Well, received
 - Licensing requirements
 - eBPF programs could be GPL, but don't have to be.
 - eBPF programs can be written that do not use GPL'd code
 - Marketplace should require labeling programs that have restrictive licensing
 - Kernel version
 - Governance standards:
 - Choice of licensing is dependent on publisher.
 - eBPF programs written for the same purpose could be licensed differently
 - As easy as the app store
 - What is the level of trust in the marketplace?
 - Who will review the programs and what standards should we have?
 - Technical standards
 - [ex] Program chaining
 - legal standards
 - Required snippets
 - Multiple marketplaces
 - Public/private, etc.
 - How do you vet the code?
 - Varies by what repo you are using
 - Reputation system
 - Fully automated
 - Human intervention
 - All are valid, but there should be some heterogeneity between them.
 - Should they just be GitHub repos with automated builds?
 - Make a website or some interface to access these?
 - Reputation system sounds good.
 - How do we couple the marketplace with L3AFd?
 - Tightly or loosely coupled?
 - Push down a config w/repo to pull from and then pull the prog
 - Push down a config w/repo and the prog
 - Should we support 1 or both of these
 - Marketplace level, Orchestrator level, L3AFd level?
 - Allow unsigned eBPF programs in the control plane?
 - Do we flag them?
 - The modules must be signed in the public marketplace
 - They can do whatever they want in their own repo

Action Items

- Begin next week's meeting with: Proposals on L3af with Kubernetes