

# 06-05-2023 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
<a href="#">SHANKAR MALIK</a>	University of Delhi
<a href="#">Jay Sheth</a>	Walmart
<a href="#">Mehul Gulati</a>	Netaji Subhas University of Technology
<a href="#">Daniel Havey</a>	Microsoft
<a href="#">Santhosh Fernandes</a>	Walmart
<a href="#">Jason Niesz</a>	Walmart
<a href="#">Dhivya R</a>	Walmart
<a href="#">Arunkanth Abbigari</a>	Walmart
<a href="#">Ajay Raut</a>	Walmart
<a href="#">Charles Liu</a>	Walmart
<a href="#">Karan Dalal</a>	Walmart
<a href="#">Dave Thaler</a>	Microsoft
<a href="#">Bo Hong</a>	Microsoft

LF Staff: [LJ Illuzzi](#)

## Agenda

- [LF Antitrust Policy](#)
- Meeting note taker
- Welcome new attendees
- Issue discussion/Dev updates
  - Lead off with RBAC <https://github.com/l3af-project/l3af-arch/discussions/57>
- Release Management (Dhivya)
- [LFN Developer & Testing Forum June 2023](#) - Review calendar/L3AF Schedule
- Optimising Traffic Mirroring
- AOB

- General Topics (cover as needed)
  - Use Cases
  - Roadmap
  - Project structure
    - Governance
    - Technical Steering Committee

## Minutes/Updates

- **Issue discussion/Dev updates**
    - L3AF R2
      - RBAC <https://github.com/l3af-project/l3af-arch/discussions/57>
        - Option 1: RBAC framework using x.509 PKI Certificate Attributes
          - Not every CA will issue those types of certs (w/usernames)
        - Option 2 OATH
          - No work required. Just consume already existing resources.
          - Many enterprises already using it.
            - ex: Windows Active Directory
        - Option 3. Digital Signature based Authorization with mTLS
          - Minimal overhead.
          - Partly extensible. Partly standards compliant.
          - Protocols mature, framework not so mature.
        - Option 4. SHA256 Hash based Authorization with mTLS
          - Don't want l3af to be the actual auth service.
          - Custom implementation
      - We don't want to take ownership by building our own RBAC
        - Building an e2e RBAC does not align with L3AF goals
          - Also managing the RBAC lifecycle
        - Enterprises should use their own control plane to manage L3AFd
        - Supporting only 2 roles at first is okay, but we have to be extensible
        - Most enterprises will have central control.
          - Leave it up to them.
      - **Option 2.** mTLS with OAuth 2.0 Client Authentication, but:
        - If nobody is going to use anything other than read/write then we do not need to build RBAC now.
          - We will document how to integrate RBAC option 2.
            - Document how L3AFd could integrate with the above
    - feat: introduce interface-based data types #229 - <https://github.com/l3af-project/l3afd/pull/229>
      - Standardize to open source.
      - Finish most of R2 PR then merge this.
      - Approach agreed upon.
    - Update configs from command line argument #242 <https://github.com/l3af-project/l3afd/pull/242>
      - Please review
    - Update native loading of root programs #245
    - Loading XDP and TC program blockers
      - <https://github.com/l3af-project/l3afd/issues/191>
        - Waiting for Intern
        - Build fails(?) Missing package.
        - Workaround by making conditional dependencies where Linux specific calls are only used on Linux builds.
      - <https://github.com/florianl/go-tc/issues/17> - Need to update our issue.
  - L3AFD v2.1
  - L3AF on Windows
    - [LFN Mentorship Program for L3AF on Windows](#)
    - Set of milestones next week
  - DT&F
    - 5 am PST L3AF project update
    - Shankar 5G uF
- **Release Management**
- **LFN Developer & Testing Forum June 2023 - June 6-8, 2023. Virtual event**
  - Review calendar/L3AF Schedule
  - Link to [L3AF topic submissions](#):
  - [Topics Submission Page](#)
  - [Virtual D&TF session guidelines](#)
  - Reminder to [Register](#)
  - Best place for marketing the project- this is how we grow the community within LF/LFN
  - Question: should June 6 TSC meeting be canceled so the community can attend D&TF? (many LFN communities will cancel TSC meetings that week in lieu of D&TF).
- **Optimising Traffic Mirroring (Arunkanth) [Link](#)**

- **Any Other Business**

## Action Items

- ☐ [Dhivya R](#) Release Management Plan- add milestones for testing, documentation, package. What else is needed from a delivery standpoint?
- ☒ LJ Illuzzi Open SSF Scorecard. Is it visible on LFX Security
- ☒ LJ Illuzzi Draft LFN Board response to eBPF standards

## Future Agenda Items

Start with

- RBAC <https://github.com/l3af-project/l3af-arch/discussions/57>