

# 2023-06 - FD.io: CSIT Performance Dashboard

## Topic Leader(s)

- [Maciek Konstantynowicz](#)
- [@Tibor Frank](#)
- [Peter Mikus](#)
- [Vratko Polak](#)

## Topic Description

45min

Overview and discussion of the new LFN [FD.io](#) CSIT Dashboard, [csit.fd.io](#), covering VPP and DPDK network data plane testing, performance and telemetry.

## Topic Overview

Will cover a number of dashboard usability scenarios including results comparisons between platforms, drill-downs into key compute efficiency metrics and working with data to detect and track performance anomalies.

Will use performance data from [FD.io](#) CI/CD automated tests executed on a range of servers running in labs hosted by LFN [FD.io](#), including: Intel Xeon (clx, icx, spr), Intel Atom (dnv) and Arm (Taishan, ThunderX2, Ampere Altra).

If you are interested in network performance testing in general, or [FD.io](#) project specifically, this session is for you.

## Slides & Recording



lfn-dtf2023-csit-fdio.pdf

- [lfn-dtf2023-csit-fdio.pdf](#)



## YouTube

Please indicate your session type in the blank space below and then remove this Info field.

- Live Interactive Session



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## Agenda

### FD.io CSIT Performance Dashboard

- Overview - VPP and CSIT core projects
- CSIT Dashboard - [csit.fd.io](https://csit.fd.io)
  - Infrastructure
  - UI and presentation layer
- Usability Examples
  - Performance and efficiency comparisons
  - Failures, Anomalies and Root Cause Analysis

## Minutes

- [Maciek Konstantynowicz](#) Presented CSIT project overview and discussion of CSIT Performance testing and specifics of CSIT Dashboard
- [Peter Mikus](#) Presented CSIT Dashboard Infrastructure architecture
- [Tibor Frank](#) Presented CSIT Dashboard presentation layer architecture
- [Maciek Konstantynowicz](#) Presented Benchmark Areas & Methodologies available in CSIT Dashboard results. Demonstrated features of CSIT Dashboard.
- [Vratko Polak](#) Presented how to do Failure, Anomaly & Root Cause Analysis using the CSIT Dashboard
- [Maciek Konstantynowicz](#) Presented lists of CSIT technical papers and project resources.
- Q&A
  - [Dave Wallace](#) suggested creating a way for identifying what testbeds are used for a given protocol. Perhaps starting with a wiki page of links to test results. Ideally a search function based on separate parameters would be best.
  - [Dave Wallace](#) asked if anyone was using data for marketing purposes and required static data format? No response from those present. [Maciek Konstantynowicz](#) indicated that feedback so far has been that consumers prefer the dynamic views of the data and folks take screenshots to include in marketing collateral.

## Action Items

