

Progress Report



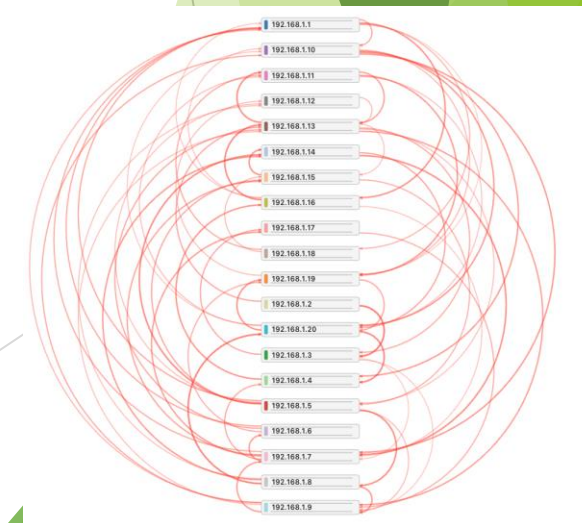
- The 10-page paper submission for INDIS@SC25 was accepted.
- 2 talks and 1 runtime demo during Supercomputing 2025.
- ESnet knowledge-sharing session: https://youtu.be/kS1R0iRjv_g.
- External collaboration opportunities: 2026 subcontract with W&M (2 PhD students), LDMS@SNL, ExDigiT@OLCF, SPEAR@UIC

<input type="checkbox"/>	TITLE	CITED BY	YEAR
<input type="checkbox"/>	eCounter: Inline Per-IP Network Monitoring at Millisecond Resolution via eBPF X Mei, J Chen, A Singh, I Baldin, D Lawrence Proceedings of the SC'25 Workshops of the International Conference for High ...		2025
<input type="checkbox"/>	TrioSim: A Lightweight Simulator for Large-Scale DNN Workloads on Multi-GPU Systems Y Li, Y Bao, G Wang, X Mei, P Vaid, A Ghosh, A Jog, D Bunandar, A Joshi, ... Proceedings of the 52nd Annual International Symposium on Computer ...	3	2025



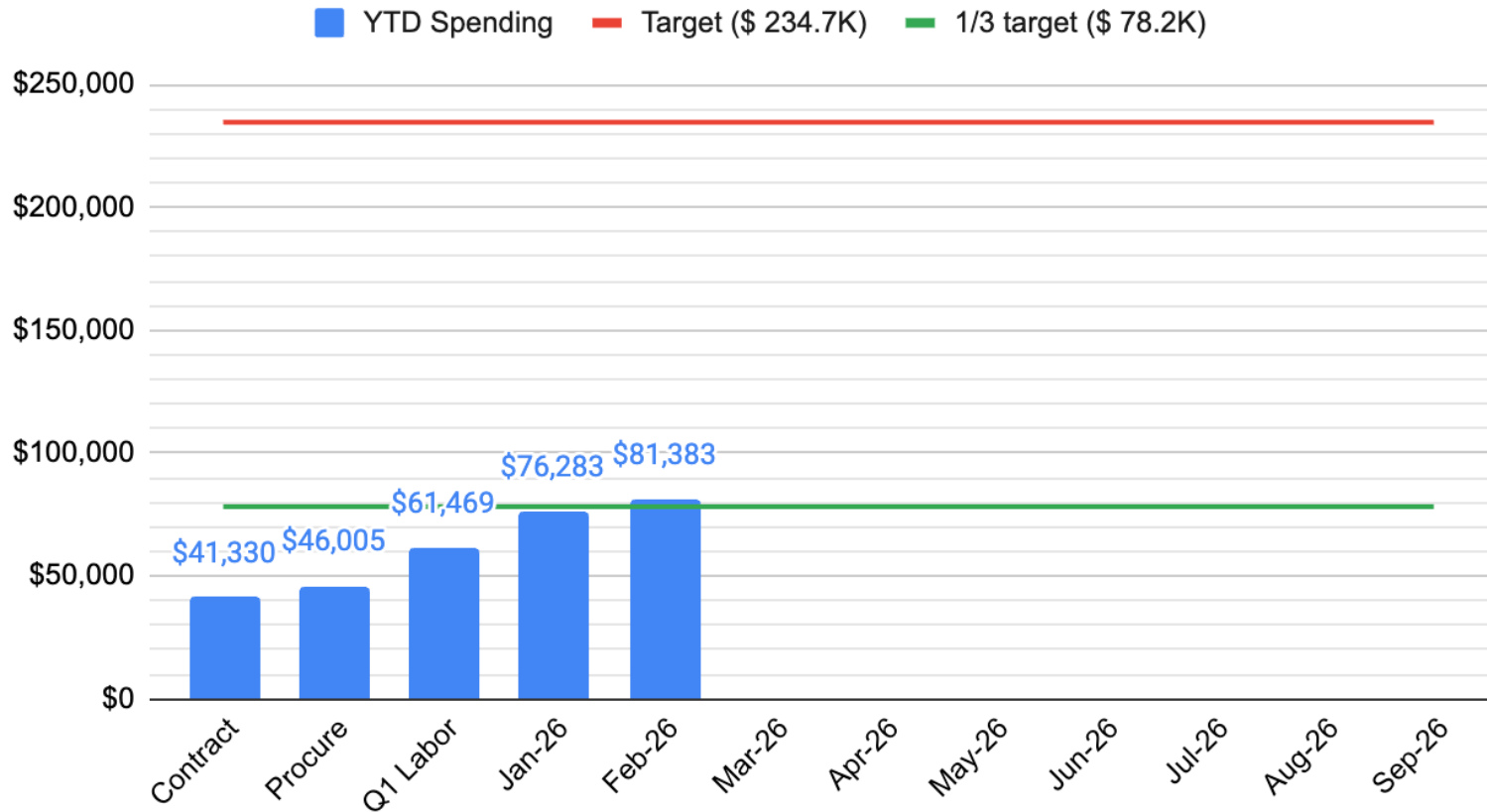
- FY26 progress
 - Telemetry data streaming system (Redis & DAOS):
https://github.com/cissieAB/ld2606_daos_redis
 - Real-time view of network dynamics:
https://github.com/sarchlab/ldrd_vis
- Paper submission: SC26 workshop, summarizing existing findings on DAOS scalability benchmarking on Aurora (ALCF).

LD2606: Broader Uses of Data Processing Units (DPUs) in JLab 100 Gbps Testbeds, CST



Financial Report

LD2606 Accumulated Spending



- \$81.4 K up to Feb. 6, representing 34.7% of the total budget.
- Ongoing procurement for a BF3 DPU. Transceivers and cables will be ordered separately.
- Will open a summer internship position. Candidates have experience at ALCF@ANL.