

LDMS USER GROUP MEETING

Jan 12, 2026

Agenda

- V4.5.2 Status
- LDMSCON2026
- Q&A

V4.5.2 - Status

- Plan release is Jan 16
- Branch is b4.5



V4.5.2 Changes

- Fix CLIENT_CLOSE race in ldms_msg
 - The client close event could be delivered ahead of outstanding receive events
- Fix slurm_sampler2 - all tasks exit does not infer job exit
 - slurm_sampler2 was prematurely setting the job exit time which prevented sets from having their job_id set properly
- Fix setns() issue on slurm due to ldms_msg
 - Message bus changes added a thread that was not getting cleaned up at fork. This prevented slurm jobs from running in containers when the the plugin was configured in plugstack.conf
- Fix nested structure definitions in anonymous union
 - C++ programs would not compile if including ldms.h

V4.5.2 Changes (continued)

- Resolve issue with trailing 0 on daemon names/hostnames being removed
 - ldmsd_yaml_parser truncates trailing 0 on hostnames so it parses and generates a wrong list of hostnames
- Various bug fixes in the lustre sampler plugins
- store_influx: fix faulty job_id assumption
 - The plugin crashes if a metric set doesn't contain job_id or component_id
- Fix decomposition group timeout value parsing
 - The return code from ldmsd_timespec_from_str() is not checked, allowing invalid timeout formats to be processed without error
- Fix IPv6 address selection in ldms_xprt_listen_by_name
 - When a specific host is provided, getaddrinfo() may return IPv6 addresses even on systems without IPv6 networking configured, causing subsequent bind/listen operations to fail
- Fix libovis_log linking issue in rdc_sampler and ibnet sampler plugins

LDMSCON2026

LDMSCON2026



WHEN

June 9 - 11, 2026



REGISTRATION

Opens in early Feb



WHERE

David Rubenstein Forum,
UChicago



INFO & WEBSITE

More info at

<https://sites.google.com/view/ldmscon2026>



LDMSCON2026 Tentative Program

- LDMS Plenary: Review and future planning
- Keynote (TBD)
- A few tutorials (will be soliciting additional ideas) e.g.,:
 - LDMS-focused statistics -> operational knowledge
 - LDMS data analysis
 - Use of new msg bus capabilities
 - Multi-tenant aspects
- Focus area group discussion sessions (will be soliciting additional ideas) e.g.,:
 - Multi-tenancy
 - Application/job resource usage
 - Monitoring at deployment time
 - Directional changes desired
- Open discussion sessions

LDMSCON2026 Tentative Program: Call for Presentations/Demos coming soon (15-min & 30-min)

- LDMS performance benchmarking/analysis
- System monitoring, data analysis and visualization
- Application monitoring, data analysis and visualization
- New monitoring paradigms and telemetry sources (e.g., multi-tenant, on-switch, application)
- Utilization of monitoring data, e.g., feedback to applications, Admin notifications
- Utilization of monitoring infrastructure for other purposes (e.g., feedback to system and application elements and processes)
- Quantum monitoring
- Always-on monitoring enabled application performance analysis
- Supporting data-driven resource allocation/scheduling considerations
- Cloud deployment and monitoring
- Other?

For LDMSCON2026 content request/input:

Please email either

- Nichamon: nichamon@ogc.us
- Jim: brandt@sandia.gov

Thank you!

Q&A

- Next User Group Meeting will cover planned multi-tenancy support in ldmsd
 - Multi-tenancy support in ldmsd has been brought up
 - Suggestion from the group:
 - People who know the workload set-up: Flux or Slurm should join the discussion
 - It would be good to understand how the multi-tenancy support in ldmsd work
 - We will give an overview presentation of how the current multi-tenancy support work in the next User Group meeting on Jan 26
 - If it is identified that a separate meeting should be held to discuss in more depth or to accommodate people who want to join, we will decide and do so in the next meeting
 - Nichamon will send out an email to LDMS mailing list to let the community know that we will cover the multi-tenancy in the next meeting