



OGC



Sandia  
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# 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



WHERE

David Rubenstein Forum,  
UChicago



REGISTRATION

Opens in early Feb



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](mailto:nichamon@ogc.us)
- Jim: [brandt@sandia.gov](mailto:brandt@sandia.gov)

Thank you!

# Q&A

- Next User Group Meeting will cover planned multi-tenancy support in Idmsd
  - Multi-tenancy support in Idmsd 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 Idmsd 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