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LDMS USER GROUP MEETING

April 7, 2025

Agenda

- LDMSCON2025 Registration & Contribution Deadlines
- V4.5.1 Status Updates
- Summary from the LDMS Job ID Meeting
- Q&A

LDMSCON2025 News

Register Today!



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LDMSCON2025

June 24-26, 2025 | David Rubenstein Forum, University of Chicago

Early-bird registration ends in 8 days

Register now: <https://ldmscon2025.eventbrite.com/>

Submission: <https://easychair.org/cfp/LDMSCON2025>

Website: <https://sites.google.com/view/ldmscon2025/home>

LDMSCON2025 Registration

ONLY 8 DAYS LEFT TO SAVE \$50!

<https://ldmscon2025.eventbrite.com/>

Member: \$925
Non-member: \$1025

Member: \$975
Non-member: \$1075

Remote: \$600 | Student: \$500



TODAY

April 15

May 15

11:59 PM CDT

11:59 PM CDT

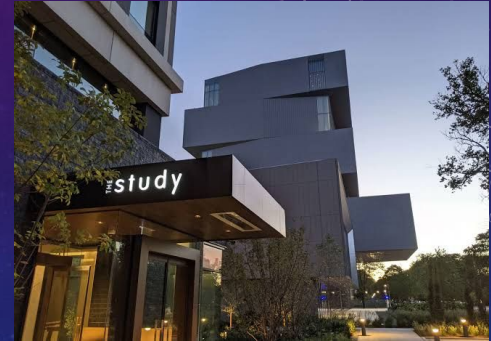
EARLY-BIRD DEADLINE

REGULAR DEADLINE

Hotel Information

The Study at University of Chicago

- \$234/night + tax 17.4% (June 23-27, 2025)
- Shoulder blocks (2 days before and after) available but limited quantity
- Booking deadline: May 24, 2025
- Located adjacent to the conference venue



Booking Information:

- Online: <https://reservations.travelclick.com/114529?groupID=4721370>
- Email: reservations.chicago@studyhotels.com (reference "LDMS User Group")
- Phone: 872.315.1322 (reference "LDMS User Group")

Call for Contributions

Share your expertise with the LDMS community:

Submit: <https://easychair.org/conferences?conf=ldmscon2025>

- **30-minute Presentations**
 - Site experiences, deployment strategies, or data analysis techniques
 - Challenges overcome, ongoing hurdles
- **15-minute Lightning Talks**
 - Early work, implementation challenges, desired capabilities
 - Perfect for high-level overviews, quick focus on specific issues, or quick tips
- **Birds of a Feather (BoF) Sessions**
 - Interactive discussions on emerging topics
 - Community-driven problem solving
- **Panel Discussions**
 - Multiple perspectives on key challenges
 - Expert-led conversations on critical issues



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Key Deadlines

- April 15 - Early-bird registration ends (8 days left!)
- - Tutorial Abstract deadline
- April 30 - BoFs and Panel proposal submission deadlines
- May 15 - Regular registration ends
- May 23 - Presentations and lightning talks abstract submission deadlines
- May 24 - Hotel Reservation deadline

Two important actions:

- **Register before fees increase**
- **Submit abstracts or proposals for tutorials, presentation, lightning talk, BoF, or panel proposal**

V4.5.1 Status Updates

V4.5.1 Status Updates

- The window to accept new features have been closed
- Currently, accept
 - Bug fixes
 - Minor, but important improvements
- On track for releasing before LDMSCON2025!



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Summary of the LDMS Job ID Meeting

Summary from the LDMS Job ID Meeting

Meeting Purpose

- Problem: LDMS's uint64 Job IDs cannot handle
 - Schedulers reuse/duplicate Job ID
 - Hierarchical job structures
- Goal: Create standardized string-based Job ID format with enhanced querying capabilities
 - Enable job_id to be human readable
 - Enable job_id to be hierarchical
 - Enable the return of metric data by job_id in a hierarchical fashion

Summary from Job ID Meeting



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Key Conclusions

- Implementation Approach:
 - Convert job_id from uint64_t to string with configurable delimiter
 - Keep job_id simple: use what users see in CLI
 - Place additional content in a new job_metadata field
 - Tag job_id to system-wide metric sets
- Query Strategy
 - Separate job ID from additional metadata for flexible queries
 - Map additional job information and metric sets using job_id string as key

Summary from Job ID Meeting

Document:

- https://docs.google.com/document/d/11yHMUpW132N1CAvEnXtvR_YdxmhiJQYhl3w60l4XF2A/edit?usp=sharing

Next Steps:

- Nichamon will write up a summary from the meeting of how the community would like to cache job information

Q&A

- Next meeting:
 - A list of prioritized bug fixes and improvements for v4.5.1 will be provided

Thank you!