LDMS USER GROUP MEETING

November 4, 2024

Agenda

- GitHub updates
  - 'OVIS-4' is now 'main'
  - Tag issues and pull requests with Milestones
- Release v4.4.5 updates
  - YAML support implementation – Ready for review
  - Hostname resolution error handling improvements
  - Parameter naming decision: 'reconnect' vs 'reconnect_interval'
- LDMS Documentation Discussion
- Q&A

GitHub Milestone Tracking

- Better way to track issues and patches for future releases
- Created two milestones:
  - v4.4.5 – For immediate fixes and patches for upcoming release
  - v4.5.1 – For features and fixes that can wait for future release
- Issues and pull requests are now tagged with their target version
- When creating issues or pull requests:
  - Feel free to suggest a version target

Release v4.4.5 Updates

YAML Support

- The patch is ready for reviews and tested.
- PR 1461: https://github.com/ovis-hpc/ldms/pull/1461
- We aim to merge it this week

Improve Hostname Resolution Error Handling

Background

- ldmsd exits if hostname given at `prdcr_add` is unresolved
- Block aggregator start when DNS is down

Changes in PR 1492:

- Warning instead of exit at configuration time
- Continue aggregator startup
- Resolve hostname at connection and each reconnection
- Report error once on failed resolution at reconnect

Next step:

- Modify the PR to report error at every reconnect attempt
- It won't resolve after the hostname is resolved
- Make it configurable whether to cache the IP

'reconnect' vs 'reconnect_interval'

Background

- Recent Change in v4.4.4
  - `prdcr_*` : 'reconnect' is the new parameter name
  - 'interval' is kept as deprecated alias for backward compatibility
  - Clarifies that 'interval' means reconnect interval

```
prdcr_add name=node-1 reconnect=1000000 …
prdcr_add name=node-1 reconnect=1s …
```

- Suggestion to use 'reconnect_interval' instead
- Alias to 'reconnect_interval'
  'sample_interval'
  'update_interval'

LDMS Documentation Discussion

- Chris proposed using reStructuredText Documentation similar to Flux-framework as a path forward
  - https://github.com/ovis-hpc/ldms/discussions/1476

Q&A

Thank you!