

LDMS USER GROUP MEETING

September 23, 2024

Agenda

- OVIS Github repo was renamed to Idms
- Currently under development
- How YAML configuration support (-y) works

LDMS Github Repo

- OVIS Github repo was renamed to ldms
 - <https://github.com/ovis-hpc/ldms>
 - The old link ovis-hpc/ovis forwards to ovis-hpc/ldms
 - You could either clone or fetch from either link

Currently under development

- Improvement in the json_stream_sampler plugin
 - Support multiple set schemas
- Improvement in the Operator Decomposition
 - Clean up the row cache when sets have been deleted
- Schema management improvement in DSOS
- YAML configuration support

How YAML configuration support (-y) works

- Nick gave a quick walk through how the -y currently works
- The changes he will make according to the discussion from the meeting
 - Rename yaml_parser to ldmsd_yaml_parser
 - ldmsd_yaml_parser returns configuration string to stdout
 - ldmsd parses the returned configuration string
- A feature suggested by Chris
 - The ldmsd_yaml_parser script can generate a list of ldmsd processes that can be executed on the same node where the script is running
 - For example, if we want to run both the sampler daemon and aggregator on a single node, we can provide a YAML configuration file to ldmsd_yaml_parser. The parser will then identify the names of the daemons specified in the YAML file that should be run on that particular node.

How YAML configuration support (-y) works

- The discussion we had during the meeting
 - If you want to cache the configuration string generated by `ldmsd_yaml_parser`, you could use `ldmsd_yaml_parser` independently to generate that.
 - For example, when you instantiate `ldmsd` with a yaml file and want to store the `ldmsd` configuration commands generated by `ldmsd_yaml_parser`, here are the steps you could perform
 - Run `ldmsd_yaml_parser` and give it the path to the yaml file and the path for the output
 - Start `ldmsd` with `-c` with the output file from `ldmsd_yaml_parser`
 - We will use `-y <PATH to YAML config file>` (small y) to keep it consistent with `-c <PATH to LDMSD config file>`
 - `ldmsd_yaml_parser` exits with an error code when an error occurs. `ldmsd` checks for error code when `ldmsd_yaml_parser` exits.