LDMS USER GROUP MEETING

January 29, 2024

Agenda

- OVIS-4.4.1 has been released
- Propose a release plan for OVIS-4.4.2
- Propose a release plan for OVIS-4.5.1
- Retire the uGNI support

Released OVIS-4.4.1

- The released branch and tag name is OVIS-4.4.1
- Significant changes
  - New configuration commands
    - `dump_cfg` – dumps the current running LDMSD configuration
    - `set_sec_mod` – changes LDMS sets' UID, GID, and permission
  - A new feature to `ldms_ls` with `-d` to export a decomposition template of LDMS sets
  - Bug fixes and improvements in `store_avro_kafka`
  - Updates in the `DAOS` sampler
  - Various bug fixes
    - Fixes in the `tx2mon` sampler
    - Fixes printing formats in various places
    - Fixes in the decomposition feature
    - A fix to LDMS Munge to address the problem in the container environment
    - Fixes in the configuration paths

Proposal for Releasing OVIS-4.4.2

- Changes in 4.4.2
  - Slingshot switch samplers
  - `netlink-notify` improvement
  - Bug fixes
    - Various leak fixes
      - Configuration handling paths
      - Paths that reject connection requests: zap_ugni and zap_sock
      - Decomposition
    - A fix in the `dcgm_sampler`
    - A fix when LDMSD is configured to send log messages to `syslog`
    - A fix of `CYTHON_CHECK` m4 macro
- Freeze the OVIS-4.4.2 branch
  - Submit any new code you want considered for inclusion in 4.4.2 by Feb 2, 2024
- Target release by <u>the end of February</u>
- Last version to be released in the 4.4.* series

Release proposal for OVIS-4.5.1

- Featured new capabilities and features
  - LDMS Rails
    - Distribute set update workload of a client on multiple IO threads
    - Provide the ability to scale out the IO and CPU bandwidth for higher-level aggregators
  - Enhancement to LDMS Stream
  - A new sampler plugin that converts stream data to LDMS sets, `json_stream_sampler`
  - LDMSD and the plugins use the ovis_log library
    - Refine log severity level configuration per plugin and LDMSD infrastructure component
  - Support Maestro's configuration files in LDMSD
  - Retire LDMS's use of Genders
- All bug fixes in OVIS-4.4.1 and OVIS-4.4.2

Release proposal for OVIS-4.5.1 – cont.

- This is based on the top of tree, github/OVIS-4
- Proposed timeline
  - Accept new features until the end of March
  - Test & bug fixes
  - Target release in May

uGNI Support Retirement

- Motivations
  - The systems having the uGNI network and utilizing LDMS are retiring by the end of 2024
    - Yell if this is not accurate!!
  - Remove the requirement to specify the total size of set memory at LDMSD's startup time
  - Reduce memory utilization

Q&A

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