LDMS User Group Meeting

January 30, 2023

Release 4.3.10

- Tagged 'OVIS-4.3.10' and available
- 78 new commits
  - Bug fixes
  - Performance Improvements
  - Sampler enhancements
  - Status command improvements, more detail, ability to reset some statistics
  - New status commands, update_time_stats, store_time_stats
  - New slingshot samplers
  - New ibmad_records sampler
  - New RAS events sampler

4.3.10 scale testing

- LDMS Samplers
  - 10k daemons
  - 14 sets (simulated with test_sampler)
- 4 1st level aggregators
- 2 2nd level aggregators
- 1 3rd level
- Resiliency testing
  - All sampler **ldmsd** periodically killed and restarted
  - One 1st level aggregator **ldmsd** is periodically killed and restarted

procstat2 - caveat

- If storing you must use decomposition

update_time_stats

```
sock:localhost:20011> update_time_stats
Updater          Min(usec)        Max(usec)        Average(usec)    Count
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all                   349.1840        45490.4320          1544.9126       79264
```

store_time_stats

```
sock:localhost:20011> store_time_stats
strgp           min(usec)        max(usec)        avg(usec)        Count
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decomp               6.9120       14522.1120         90.0275       59455
```

updtr_status

- Added skipped and oversampled counters

```
sock:localhost:20011> updtr_status summary
Name            Interval:Offset  Auto   Mode          State        Skipped counter Oversampled counter
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all             1.0s:50.0ms      false  Pull          RUNNING                    0                   0
```