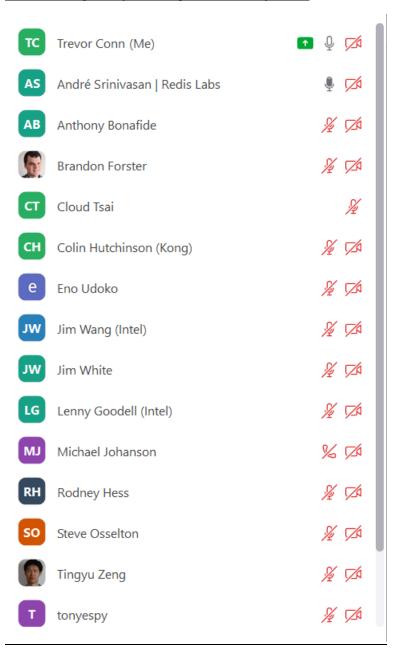
Core Working Group Meeting Notes (7-May-2020)



- Redis Memory Limit
 - o Discuss how/whether this is configurable
 - O What happens when the process runs out of memory?
 - An error on write operations is returned
 - O How much memory does the process allocate?
 - By default ALL
 - This includes virtual memory if configured, accessing data swapped to disk can cause latency
 - o Do we need additional setup content/guidance in the docs?

- ANDRE: Will provide content, brief pre-amble with links to Redis-provided content
- Redis does persist to disk, default behavior in EdgeX snapshots data based on time/data volatility (key changes)
 - There are additional strategies for snapshotting but the above is default
- Redis doesn't operate on persisted data, only data that's in memory. Persistence is there to avoid data loss.
- O What happens when system is restarted?
 - Redis will load data from pre-existing .rdb file if it exists
- Snapshot frequency is configurable either by time or # of keys changed
 - Snapshot versus append-only
 - Use both for ultimate data protection during recovery
- Clean-up operations
 - Vanilla EdgeX can facilitate clean-up via scheduler calling core-data, events older than 7 days
 - Core-data DELETE endpoint w/specified age
 - Example: delete all events older than 24 hours
- Redis secure compose timing issue (Lenny)
 - Issue will be submitted, Andre will triage. May be specific to resource constrained environments.
- Lingering Geneva Milestone items
 - o Review https://github.com/edgexfoundry/edgex-go/milestone/5