VOLTTRON™ Historians

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Modularized Historian

- Historians can be built for any storage solution
- Previous versions did not have option for local storage
- BaseHistorian
  - Can be extended for any solution
  - Handles subscribing to Bus
  - Local cache
**Historian Data and Execution Flow**

**Main Thread**

1. Normalize Data
2. Message Bus
   - devices
event
   - datalogger
   - analysis
   - record

**Publish Thread**

1. Data Queue
2. Backup Data From Queue to Disk Cache
3. Retrieve Oldest Data From Cache
4. Call `publish_to_historian`
5. Cache Empty or Nothing Published?
6. Publish Timeout?
7. Remove Published Data From Cache

- Yes
- No