EdgeX UI
Roadmapping
8/3/20
EdgeX UI Purpose

• Today: For demonstration and developer use to manage and monitor a single instance of EdgeX Foundry (unsecured)
  • Manage (add, remove, update) the EdgeX objects (device, device services, profiles, rules, app services, etc.)
  • Monitor the EdgeX data flow (events and readings) and services
  • Monitor and manage from on-box with EdgeX (on the same host)
  • Not meant for production use

• Future: a production level user interface to manage and monitor a single instance of EdgeX Foundry (secured or unsecured)
  • To manage and monitor from on or off box
  • To monitor the state of EdgeX (status of services, memory, CPU usage, etc.) and provide alerts when something is outside of normal operating parameters
Features Today

- Display device services, devices, device profiles
- Upload/remove device profile
- Add, edit, remove device
- Display schedule intervals and interval actions
- Add, edit, delete interval and interval actions
- Display notifications, transmissions
- Display subscriptions
- Add and remove subscriptions
- Manage app services (add functions, see data temporarily, etc)
- Manage Kuiper rules
- Documentation added to docs.edgexfoundry.org
- Make sure it is usable with what we have
Roadmap

• Future needs (unprioritized)
  • Have it work remotely (on a different host)
  • Have it work with security
    • Through Kong
    • With security/TLS certificates
    • With user access controls
  • Clean up notifications/transmissions
  • Core data visualization/graphing - using core data APIs
  • Integrate with a data visualization tool??
    • Like Graphana?
  • Deal with binary data at all??
  • Metrics data visualization/data display
    • Memory, CPU, …
  • See and update configuration?
    • With appropriate service start if necessary?
    • Admin functions? Start/stop/restart services?