Open Horizon WG Meeting Minutes: 08/12/19

- Attendees: Akram, Michael, Trevor (Dell), Joe, Glen (IBM), Rodney, Dave (Beechwoods). Attendees who may have joined after the start of the meeting may not have been captured and listed.
- Discussion and action items as a result of meeting in RED

Old Business

- Open Horizons sub-project
  - We meet again next in *two* weeks from today, on August 26th.
- Joe provided background on where we are at with the project.
  - Jim, Joe, and Glenn discussed Jim's attempt to recreate OpenHorizon's EdgeX POC per Dave.
  - After getting the POC working, the EdgeX system management team can look at what problems Open Horizon solves, what more can be done, what works/doesn't and make recommendations to TSC and Open Horizon project on next steps.

New Business

- Jim to take the latest Edinburgh 1.0.1 compose file, to get a "minimalist" EdgeX system up and working and seeing data come up through core data (Changed to *device random* for simplicity, and commented out all other services so we can slowly add them back in to the mix as the POC grows).
  - Jim tested it on his end to make sure it works. Goal was to help get us a baseline on known working EdgeX model.
    - Jim provided Joe and team the YAML file: docker-compose.yml
    - Joe successfully did a docker-compose up -d command execution!
  - Joe recreated input.json (aka metadata to describe the transcription of services).
  - Got the Horizon services instance running, locally.
- Glen to add two files needed to make an official pattern and register it with his organization in a specific Horizon Exchange (input.json and pattern.json). He will confirm that the Pattern works and pulls the containers and can run them.
  - Containers downloaded OK. But issue with (Docker) volumes…
    - Trevor suggested: Try *docker prune (*Possible use, which Joe will confirm: *"docker system prune -a")*
  - Keep an eye on that containers start and do stay up.
- When using docker-compose, how to ensure that EdgeX Foundry is in a proper running state?
- Joe working on a detailed, reproducible set of instructions to capture running the Pattern (in a local end-to-end deployment of Horizon).
  - Available now!
  - Joe gave a demo to attendees, showing the execution of the instructions in action.
    - Helpful to the EdgeX community in gaining familiarity with the process.
- Joe to merge Jim's commit and tested with *docker-compose -f docker-compose-jpw.yml up* on OSX and Ubuntu 18 on x86.
- The *dcmartin* repo is presently not available—Investigate other options?
  - The *dcmartin* repo is no longer on our radar.
  - The repo to use, instead, will be: https://github.com/joewxboy/horizon-edgex
  - Two options for testing in context:
    - on a local instance of the Horizon services that anyone can run,
    - and on a private cloud instance.

        - To prevent false starts and frustrations on the part of the group here, I'd like to test any instructions before we roll them out.
- Based on Jim's new docker-compose-jpw.yml file, Joe to create a corresponding service-jpw.json file.
    - Hope is that it fixes the earlier issue Joe ran into…
    - If so, Joe will then be able to publish his service and corresponding pattern to the (IBM internal) alpha exchange and register my OSX machine's Horizon Agent for the pattern.
- Joe and team continue to work on instructions for setting up a dev exchange instance and/or private cloud exchange instance.
    - Goal—Over roughly the next two weeks: Aim is to troubleshoot issues (with volumes, etc., that we are currently facing).
    - Show what telemetry, *device random* serving as the data source.
    - Reconvene and share results at that time (in two weeks).
    - Meanwhile, Joe and Glen will keep the POC team up-to-date on progress on their end.