System Management WG Meeting: 7/30/19

**Attendees:** Jim, Akram, Trevor (Dell), Rodney (Beechwoods), Joe (IBM). Attendees that 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
  - State of current POC
- Fuji Work
  - Metric collection by Executor – demo/discussion by Akram
    - What about RAML – how will choice of metric be documented?
      - We will need to provide some examples. This is not just a which executor issue. Different metrics could come from a C vs. Go service for example.
  - Set Configuration – current status
    - Questions:
      - Set of many parameters?
        - Not for this release. Registry API only does one or all at this time.
      - Set of readable parameters & restart?
        - Not for this release. Could do this by setting your own configuration (via Consul) and then calling SMA to restart, but not as autonomous operation.
  - Still to be done
    - Start/stop/restart all done by the executor to include stop/restart of SMA
      - Executor tracks completion and returns results
      - SMA used to be the “watcher” or the single service that stays up.
      - This is changing so that the executor stays up but not SMA
    - Safe shutdown (per last meeting)
      - Let the service decide what is part of “shutdown” operation. Each service should provide a “shutdown” function – that does the exit, but service can override and have a way to prevent immediate shutdown or wait for something to finish before it shutdown. Need to work out the details of what is returned from this method.
      - May have it already through Destructor operation in each service
      - Kill it in the right manner to make sure Destructor function fires

**New Business**
- Meeting moved to every week while we have several work streams going – same 10am CDT time
- Management tools matrix
  - Requirements
  - Management and other tools to explore
  - Change Portainer to Portainer Edge
The matrix will be available on the System Management WG sight once reviewed and ok’ed by Jeremy Phelps from Dell.

What could we do for self-certification for network management? Something to consider with Cert WG going forward.

Does SMA have RAML, QA Tests, requirements doc – for purposes of self-assessment? Yes to all – although maybe not as tidy in one document as we’d like.

- Edgex CLI – will be covered next week with Alex returns from vacation
  - Code currently in holding (see TSC July 10 meeting recording for demo)
  - Need review and approval by this group to TSC to move forward
  - What’s MVP to accept this and bring it to edgexfoundry GitHub organization
    - Unit tests
    - Should work with EdgeX security proxy/API gateway
    - Services are currently determined by hardcoded ports
      - Need services and ports to be configurable (manifest?)
    - Other commands needed for Fuji?
  - What would be “released”? Would there be artifacts? If so, how are they to be managed, versioned, etc.?