

# Geneva Planning for System Management

## Potential tasks

- Set read-only configuration data (and then optionally restart)
- Start/stop/restart of services inclusive of SMA (has asynch dependency)
- Support async calls to SMA (everything today is blocking)
  - Use of callbacks or pub/sub to support
- Support set config of file-based config (non-Consul)?
- Role based security on SMA APIs (security dependency)
- CLI additions
  - work with security services (API gateway) in place
  - point to alternative database

## Beyond Geneva potential tasks

- Transform and export for SMA data (appl services for sys mgmt info)
- Store system metrics locally (for store and forward)
- Actuation based on metrics change (rules engine for control plane data)
- Alerts/notifications on metrics change or service status (ex: service down, metric above threshold, etc.)
- Use of QoS and/or blockchain to prioritize resource usage by certain services (which might be detected by System Management metric collection)

## Architectural discussions

- Future / direction of OH
- Future of CLI
  - Part of regular EdgeX
  - Support users as well as developers