

Core Working Group Agenda 05/24/2018 meeting

Attended by: Others may have joined the call after the roll was taken at the beginning.

Discussion and action items as a result of meeting in **RED**.

Old Business

DevOps items

- Jeremy – any issues/updates we need to discuss

Documentation Hosting

- Still working; host on LF infrastructure, need build process to deposit in appropriate place
- Andy – status of
 - training and guidance for new resources in the process of doc generation
 - record a training session and post to Tech Talks
 - Action Item for Andy – look at scheduling a Zoom session and record that for reference; looking at next two weeks.

DS Requirements Discussion

- New DS SDK meeting on Tue's. Connect with Brett or Tony to get involved.
- Plan, schedule, and issues to be resolved in upcoming meeting and finalized by Jun 4 meeting

Performance Testing

- Keith – provide information around possible IoTech performance tests contribution by CA F2F meeting

EdgeX UI

- New project group under Core WG. First meeting Thur May 24th @6am PDT

Palo Alto F2F

- Please sign up (connect with @BPreston) if you are going to be there (in person or on line)
- Please visit
- <https://wiki.edgexfoundry.org/rest/documentConversion/latest/conversion/thumbnail/14123075/3> and provide feedback to agenda and topic list for next meeting
 - Review Delhi scoping – any early disagreement with proposed in/out scoping? Anyone wants to advocate adding/removing something
 - Review Architect Tech Debt – any early disagreement with proposed topics? Calls for additions/deletions from that list
 - Review Architect Enhancements – any early disagreement with proposed topics? Calls for additions/deletions from that list

TSC Working Group Chairs

- Each working group elects its own chairperson. That person serves on TSC.
- WG voter lists to be reviewed here.
- Current nominations under core (need to have this completed and voted on by 4th!!!)

- Core WG Chair: Trevor Conn (Dell)
- Test QA WG Chair: Andy Foster (IoTech)
- Applications WG Chair: Janko Isidorovic (Mainflux)
- DevOps WG Chair: Jeremy Phelps (LF)
- DS/SDK WG Chair: Steve Osselton (IoTech)
- Other working groups to nominate via their meetings
 - Security
 - System Management
 - Vertical Solutions
- 3 at-large to be elected on June 15 (Jun 1-8 nominations)
- TSC Chair to be elected from WG Chairs & TSC at-large – June 22

New Business

Code PR/Review/Acceptance Process for Post-California

- Proposal to follow more of the Docker model for code review/acceptance submitted by Drasko
- <https://github.com/moby/moby/blob/master/project/REVIEWING.md#code-review---status2-code-review>
- "Changes to code must be reviewed and approved (LGTM'd) by a minimum of two code maintainers. When the author of a PR is a maintainer, he still needs the approval of two other maintainers."
- Thoughts and Questions
 - If two reviewers LGTM, can the original creator of the PR approve and merge himself? Or is it up to the second reviewer to Approve/Merge?
 - If two reviewers LGTM and the PR has to be re-merged due some other changes to the trunk which have been merged in the interim, does the review process need to happen all over again? (I would advocate for "no")

New Export Distro design for Delhi: based on SDK

Export Distribution is essentially an EAI (enterprise application integration) problem

Export Distribution is about taking incoming Events/Readings and:

- Validating the data in the Event/Reading (valid device, valid readings, etc.)
- Filtering (per device or value descriptor today, but that could be open to other filters like temps between a range, etc. later)
- Transforming the data to the preferred format (XML, JSON today but could be YAML, TOML, CSV, etc.)
- Perform other transformation operations (optionally compressing it, optionally encrypting it today)
- Delivering the data to the endpoint of choice (which is MQTT, MQTTS, HTTP, HTTPS, cloud, Rules Engine, analytics provider etc.).

Going forward, having one export service do this is not scalable. It will contain too much code.

It must be more adaptive to the use case. We need Export services to be created from a template to include elements like above, but not have all the options in one service.

Essentially, we need an SDK that allows the export service to be created with modules the developer fills in for the validation, filtering, transforming, etc.

- The SDK would generate the scaffolding and kick off these modules (which would default to no-op elements for some use cases).
- We would need to define the API, input and output of each module (much as EAI does) so that they are easily connected into the scaffolding.
- We could produce some default export services that do things like get the data to Azure, AWS, etc. (not unlike how we provide Modbus, BACnet, etc. device services today).