Applications Working Group

The Applications Working group focuses on discussing features, issues, and requests related to the Application Functions SDK, and export services. These services provide a way to consume data from EdgeX Core Services and send it to the configured or desired location.

Note: This working group is currently suspended

Key Working Group Facts

Working Group Creation Date: June 2, 2017
Working Group Chair: TBD

Mailing List

- Applications team mail alias: edgex-tsc-applications@lists.edgexfoundry.org
- To subscribe or unsubscribe via the World Wide Web, visit: https://lists.edgexfoundry.org/g/EdgeX-TSC-Applications

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Discussion Forum

- For support and discussions about topics related to the Applications Working group, reach out on the #applications channel in Slack.

Meeting Time

- Applications Working Group meetings are held weekly and open to the public.
- Applications Working Group meetings **TBD**
- To subscribe to the meeting invitation, please visit Community Meetings & Calendar

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Join Zoom Meeting:

https://zoom.us/j/611544838?pwd=VXhCOEFrRTJMQ2FlL2RwMjZ6WUZidz09

Meeting ID: 611 544 838
Passcode: 729106yup
One tap mobile
+16699006833,,611544838# US (San Jose)
+12532158782,,611544838# US (Tacoma)

Dial by your location
+1 669 900 6833 US (San Jose)
+1 253 215 8782 US (Tacoma)
+1 346 248 7799 US (Houston)
+1 646 558 8656 US (New York)
+1 301 715 8592 US (Germantown)
+1 312 626 6799 US (Chicago)
855 880 1246 US Toll-free
877 369 0926 US Toll-free
Meeting ID: 611 544 838
Find your local number: https://zoom.us/u/aoLL4E9yo

Application Services Summary

See https://docs.edgexfoundry.org/latest/microservices/application/ApplicationServices/

Past Meetings

Latest Meeting Notes => Click Here for All Meeting Notes

03/05/2024

Attendees:

- Lenny Goodell – Intel
- Ji Yong Huang - EMQ

Topics:

- **Review Project Board** (https://github.com/orgs/edgexfoundry/projects/50/views/2)
  - Newly Complete (8) – Since last meeting
    - Trigger Store & Forward retry after successful send#1526
    - feat: Add new StoreForwardQueueSize metric to common App services config #4751
    - MqttExportSize metric stop to collect data after set the writable.telemetry.metrics.MqttExportSize=true #1540
    - Got "duplicate metric" error after updating writable.telemetry.metrics.MqttExportSize #1537
    - feat: [App SDK] Document new TriggerRetryFailedData API #1328
    - misc doc prs
  - New Issues (0)
  - In Progress (0)
  - Release Backlog (3)
    - Document Commands via MessageBus for App Services#1323
    - [SDK] Additional (stretch) metrics#1138
    - Update App LLRP & App Record Replay to use Compiler flags to Strip Debug Info
  - Odessa Done (16)
  - Ice Box (0)

- **New Napa Defects (0)**
- **eKuiper update**
  - Latest is 1.12.7
    - https://github.com/lf-edge/ekuiper/releases/tag/1.12.7
  - 13.0 releasing this week.
    - https://github.com/lf-edge/ekuiper/milestone/23
    - zero-trust will land in patch of 1.13
  - **Opens**
    - Lenny retiring end of March.
  - **Next meeting**:
    - **TBD**
    - **February 19th meeting is canceled.**

- **Work Group currently suspended**
- March 5th, 2024: Meeting Recording
- February 20th, 2024: Canceled
- February 6th, 2024: Canceled
- January 23th, 2024: Canceled
- January 9th, 2024: Meeting Recording
- November 28th, 2023: Meeting Recording
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- January 10th, 2023: Meeting Recording
- December 27th, 2022: **Cancelled**
- December 13th, 2022: Meeting Recording
- November 29th, 2022: Meeting Recording
- November 15th, 2022: **Canceled (MN planning)**
- November 1st, 2022: Meeting Recording
- October 18th, 2022: Meeting Recording
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- April 10th, 2022: Meeting Recording
- April 5th, 2022: **Canceled (see minutes prepared before canceled)**
- April 5th, 2022 (Eaton proposal): Meeting Recording
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- March 22nd, 2022: (Eaton proposal) Meeting Recording
- March 15th, 2022: (Eaton proposal) Meeting Recording
    - EaganComboService-Requirements-to-design-3-15-22B.pptx
- March 8th, 2022: Meeting Recording
- March 8th, 2022: (Eaton proposal) Meeting Recording
    - EaganComboService-Requirements-to-design-3-8-22.pptx
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Seoul F2F

Slides shared at the Application Functions Training in Seoul: AppFunctionsSDKTraining.pdf

Overview Deck

Application Services Edinburgh Release 1.0 Overview



The Applications Working group focuses on discussing features, issues, and requests related to the Application Functions SDK, and export services. These services provide a way to consume data from EdgeX Core Services and send it to the configured or desired location.

Key Working Group Facts

Working Group Creation Date: June 2, 2017
Working Group Chair: Lenny Goodell (Intel)

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Meeting Time

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- Applications Working Group meetings **alternate weekly between Thursday at 3:30PM PT (Asia Friendly) and Tuesdays at 9am PT (EU Friendly)** (find your local time here)
- To subscribe to the meeting invitation, please visit Community Meetings & Calendar

---

Join Zoom Meeting:

https://zoom.us/j/611544838?pwd=VXhCOEFrRTJMQ2FlL2RwMjZ6WUZidz09

Meeting ID: 611 544 838
Passcode: 729106yup
One tap mobile
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Application Services Summary

App Functions (built into the SDK)

Function	Comments
Add Tags	
Batch	
Compression	GZIP and ZLIB
Conversion	XML and JSON
PushToCore	
~~MarkAsPush~~	Removed in Ireland release
Encryption	AES256 (AES has been Deprecated in Jakarta 2.1.0)
Export	MQTT, HTTP POST and HTTP PUT
Filtering	By profile name, device name, source name, resource name
JSONLogic	
Set Response Data	

App Services

App Service	Port	Source
app-sample	59700	app service configurable https://github.com/edgexfoundry/app-service-configurable
app-service-rules	59701	app service configurable https://github.com/edgexfoundry/app-service-configurable
app-push-to-core	59702	app service configurable https://github.com/edgexfoundry/app-service-configurable

app-mqtt-export	59703	app service configurable https://github.com/edgexfoundry/app-service-configurable
app-http-export	59704	app service configurable https://github.com/edgexfoundry/app-service-configurable
app-functional-tests	59705	app service configurable https://github.com/edgexfoundry/app-service-configurable
app-external-mqtt-trigger	59706	app service configurable https://github.com/edgexfoundry/app-service-configurable
app-rfid-llrp-inventory	59711	https://github.com/edgexfoundry/app-rfid-llrp-inventory
rules engine/eKuiper	59720	app service configurable https://github.com/edgexfoundry/app-service-configurable

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Meeting Minutes

Latest Meeting Notes: **All Meeting Notes**

- December 7, 2021: Meeting Recording
  - Eaton App/Device Service Proposal and Requirements
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