

EdgeX Odessa Meeting: Main Decisions and Actions

Napa Wrap-up:

- EdgeX 3.1 LTS version released very smoothly. Thanks again as usual to everyone involved
- Noted that EdgeX Docker images have each increased in size by around 8MB. This is largely due to the addition of 'apk upgrade' command to support fixing on any future CVEs. Planning some options to mitigate/reduce this in the Odessa cycle

Odessa Aims and Objectives:

- Odessa will be EdgeX version 3.2 and so backwardly compatible with V3. No breaking changes
- Odessa will not be an LTS release. LTS will remain at version 3.1 and supported until Nov 2025

Odessa Scoping:

- The group analysed results of the recent EdgeX user survey to help direct focus in this cycle. Survey showed a wide range of usage of device services and application service features. Also showed most users build on top of the base platform with the Go and/or C Device Service SDKs, and the Application Functions SDK
- URIs for Files was a main addition in Napa. In Odessa it is planned to add support for this in the C Device Service SDK and therefore support URI for Files in all main EdgeX components
- Planned replacement of Hashicorp Consul with Core-Keeper (lightweight replacement service designed by IOTech and Eaton). Work here to upgrade to the EdgeX 3 APIs, integrate and test
- Planned replacement of Hashicorp Vault with OpenBao (Linux Foundation-backed fork of the open-source Vault project). Should be a straight drop-in for EdgeX (same APIs etc) but EdgeX must follow and support the OpenBao developers and stay in touch regarding delivery times etc
- Data modelling and relationship enhancements previously requested by Eaton are in scope, especially Virtual Device Resources. To be actioned through the Device Services Working Group
- Potential new data modelling patterns requested by Oracle are in scope as UCRs with Odessa implementation TBC. To be actioned through the Device Services Working Group
- Zero Trust / Secure Distributed EdgeX (i.e., OpenZiti Integration) is in scope for implementation. Clint Dovholuk from NetFoundry has initial code ready. The ADR is currently out for TSC approval
- Documentation will continue to be improved with focus on documenting all device services in a consistent way and a refactor of the security section which is currently perceived as difficult to understand and use
- Each WG has some identified updates for 3.2 and has its own autonomy with small scope items, resources allowing

Business Topics:

- Statistics relating to usage of the EdgeX Website shows positive trends. [Google data studio](#) shows around 3000-4000 users per month. E.g., November 2023 stats show 1634 users of the main website, 487 users of the Chinese website and 1498 users of the documentation
- Search Engine Optimization (SEO) and keyword / search terms continue to be monitored with tools in place to track organic, search and referral traffic. Recommendation for members to provide more links to EdgeX website from company pages etc please. Thanks to Laura from IOTech for the analysis
- Social media especially LinkedIn continues to be important. Impressions and other metrics show increase from previous periods but new/continued content is vital. Please send any suggested content to james@iotechsys.com or laura@iotechsys.com
- The Eaton use case reference this year was excellent material, looking for more like this. Elizabeth Lee (Intel) is tasked with describing an Intel Edge AI project which uses EdgeX. More like this please
- Future F2F EdgeX meet ups / planning meetings look difficult given geographic spread of main members. However, EdgeX events in China continues to be extremely well attended

Development Process and Miscellaneous Items:

- Plan to continue with twice-yearly cadence. Melvin Sun (Intel) named the 2025 “R” release as “Rizhao”. [Rizhao](#) is a city in China located on the yellow sea and represents enlightenment 😊
- Corey Mutter replaces the outgoing Tom Brennan as Eaton representative on the TSC
- Plan to reduce WG meetings by combing Core and Device discussions to the same meeting time (likely Tuesdays 4pm PT to allow both US and APAC attendance). Changes to be communicated
- Specific Outreach WG meetings will stop and instead form part of the bi-weekly TSC meetings (continuing Wednesday 8am PT)
- Agreed the planning meeting was successful with positive and collaborative discussions. Agreed meetings over 2-3 days works well and the prewire held a month earlier continues to be important part of planning process
- Discussed adjusting timing of future planning meetings to allow both US and APAC attendance. Likely that afternoon meetings (PT) will be more effective