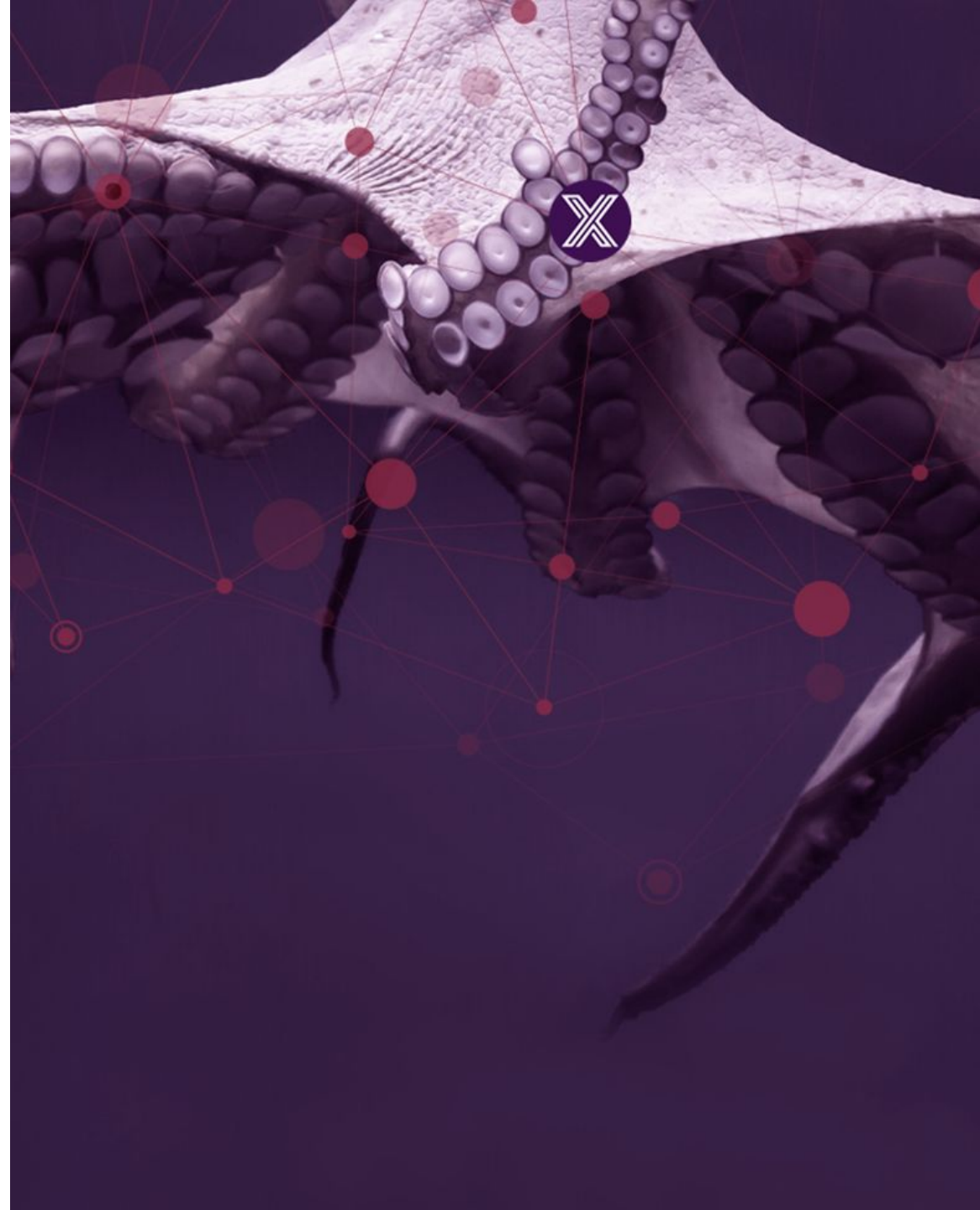


EDGE X FOUNDRY™

Architect's Meeting

July 27, 2022

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Today's Agenda

- ADR and UCR Updates
- EdgeX Minnesota (3.0?) Planning
 - Deprecated Items - Summary
 - Breaking Change Items - Summary
 - Backward Compatibility Items - **TODO**

ADR & UCR PROCESS review (as of 9/26/22)

<i>ADR name and PR number</i>	<i>Status</i>	<i>owner</i>	<i>Work Group</i>
Extending Device Data (UCR) - split from parent/child UCR	https://github.com/edgexfoundry/edgex-docs/pull/845 under review - approvals so can be put to TSC vote	Tom-Eaton	AS/core
Parent/Child device relationship & Application Services Extending Device Data (UCR)	https://github.com/edgexfoundry/edgex-docs/pull/800 up for TSC vote (5 votes in favor so far) 6 votes received, UCR merged	Tom-Eaton	DS
Provision Watch more Device Properties (UCR)	https://github.com/edgexfoundry/edgex-docs/pull/806 up for TSC vote (3 votes in favor so far) 6 votes received, UCR to be merged	Tom-Eaton	DS
Hybrid App-Device Services (UCR)	https://github.com/edgexfoundry/edgex-docs/pull/809 under re-review	Tom-Eaton	DS
Record and Replay (ADR)	https://github.com/edgexfoundry/edgex-docs/pull/863 under review	Lenny	App Service
core data cache	https://github.com/edgexfoundry/edgex-docs/pull/723 Jim to add UCR for this	Jim White	Core
global configuration	EdgeX 3.0 item (not in scope now)	Lenny	Core
URI reference (profiles, config, etc.)	EdgeX 3.0 item (not in scope now; may be sub part of global config)	Lenny	Core

EdgeX 3.0 Planning

Deprecated items list

Note: these will actually be removed in 3.0

- References to ZeroMQ (allowing for the refactor of go-mod messaging - see next slide)
- Remove SMA and executor
- Username/password for SMTP
- App Services old AES encryption
- Legacy Snap options
- Old tagging in edgex-UI
- LastConnected and lastReported in Device Services
- Kong Oauth2 plugin (keeping JWT)
- Deprecated aspects of App Functions SDK:
 - MessageProcessor interface
 - SetFunctionsPipeline and LoadConfigurablePipeline
 - NewTags factory method in app functions

EdgeX 3.0 Planning

Focused on non-backward compatible changes:

New Features

Yes:

Needs more discussion:

- Global configuration

No

- Internationalization of metadata
- Time Series DB in place of Redis

Technical Debt

Yes:

- refactor go-mod messaging to support single host messaging (relating to removal of ZeroMQ)
- Move protocol properties to JSON typing

Needs more discussion:

- Lowering JSON overhead (gzip an option)

No

- Move command service and API into core metadata
- Move some config options to static vars in code
- Force units on a device resource to be mandatory

Still to process: backward compatible changes... see

<https://docs.google.com/document/d/1-77RGAo76K3OBxmaJK96KfWsM2c3MNU2dyi7tCJQkKU/edit>



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Thank You