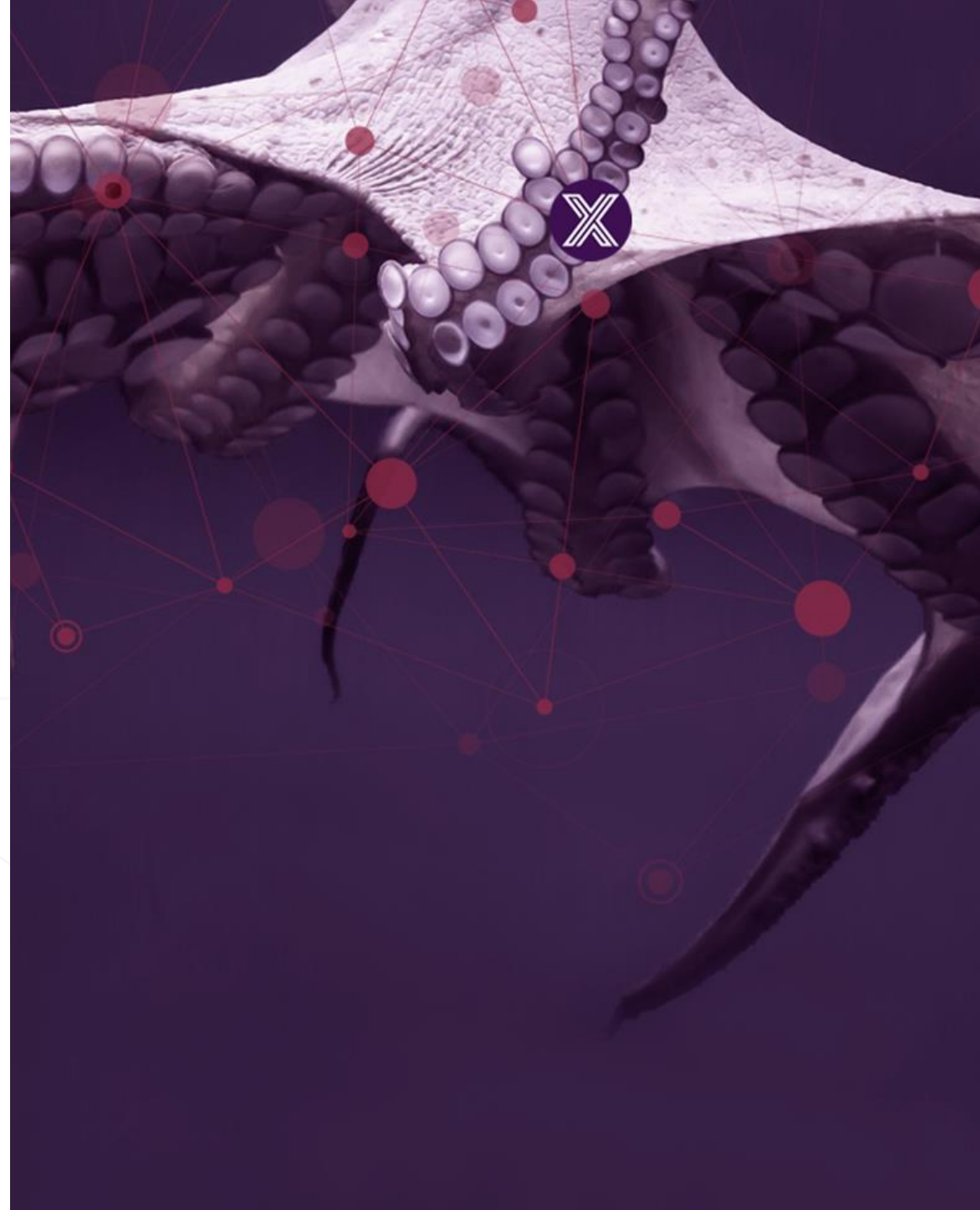




Commerce Project Meeting

March 27th, 2019



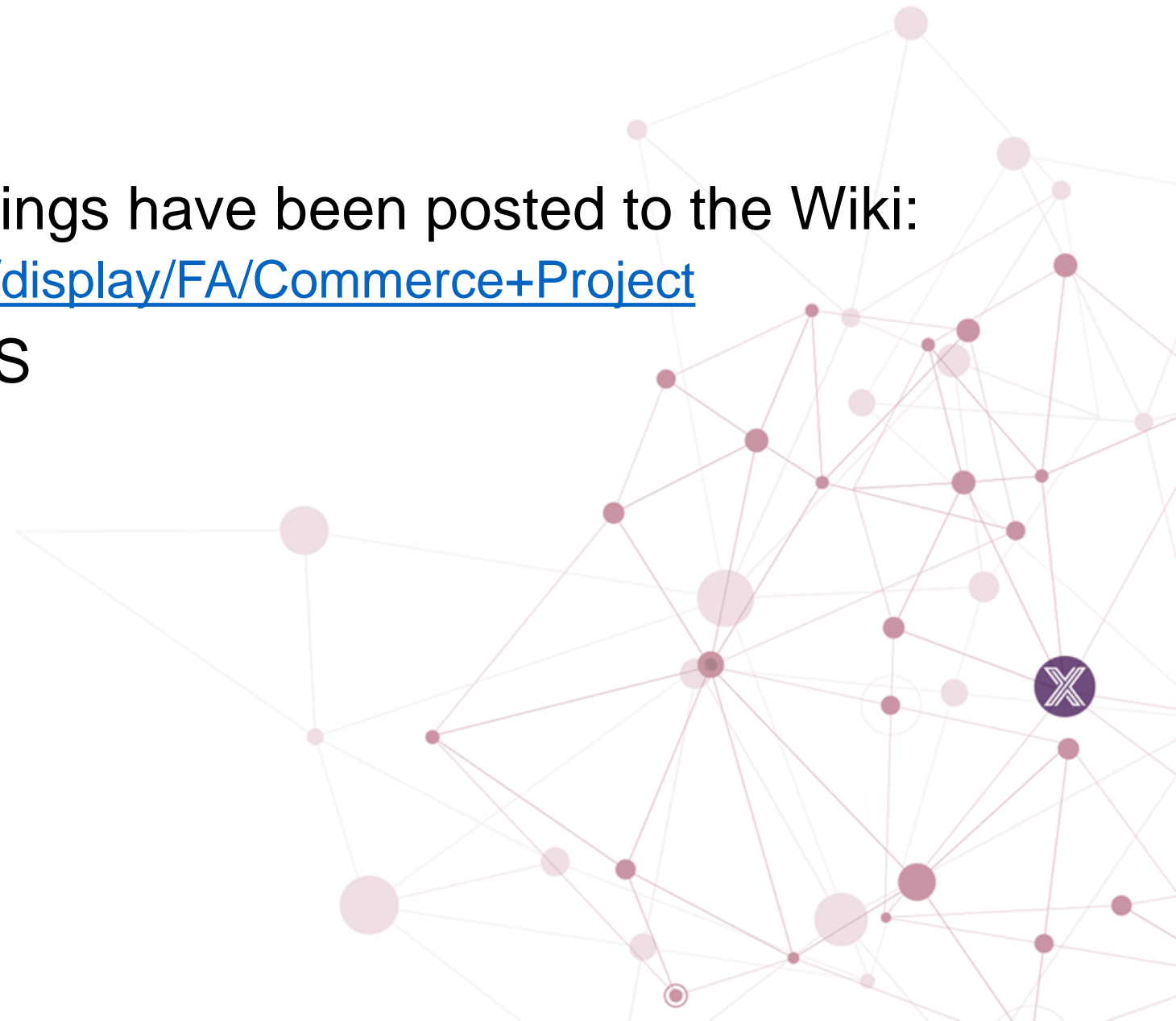
Rough Agenda

1. Roll Call and Opens
2. Review previous Opens
3. Calendar Update
4. Diagram preview
5. Commerce Project Getting Started / FAQ
6. Camera Device Service Overview



Previous Opens

- Previous Slides and Recordings have been posted to the Wiki:
 - <https://wiki.edgexfoundry.org/display/FA/Commerce+Project>
- Connection with NRF / ARTS
 - <https://www.omg.org/retail>



New Calendars

- Bi-weekly
 - Tuesdays at 8AM PST
 - Wednesdays at 4PM PST



The IoT Challenge

Challenge

Integration

Simplification

Innovation

Focus

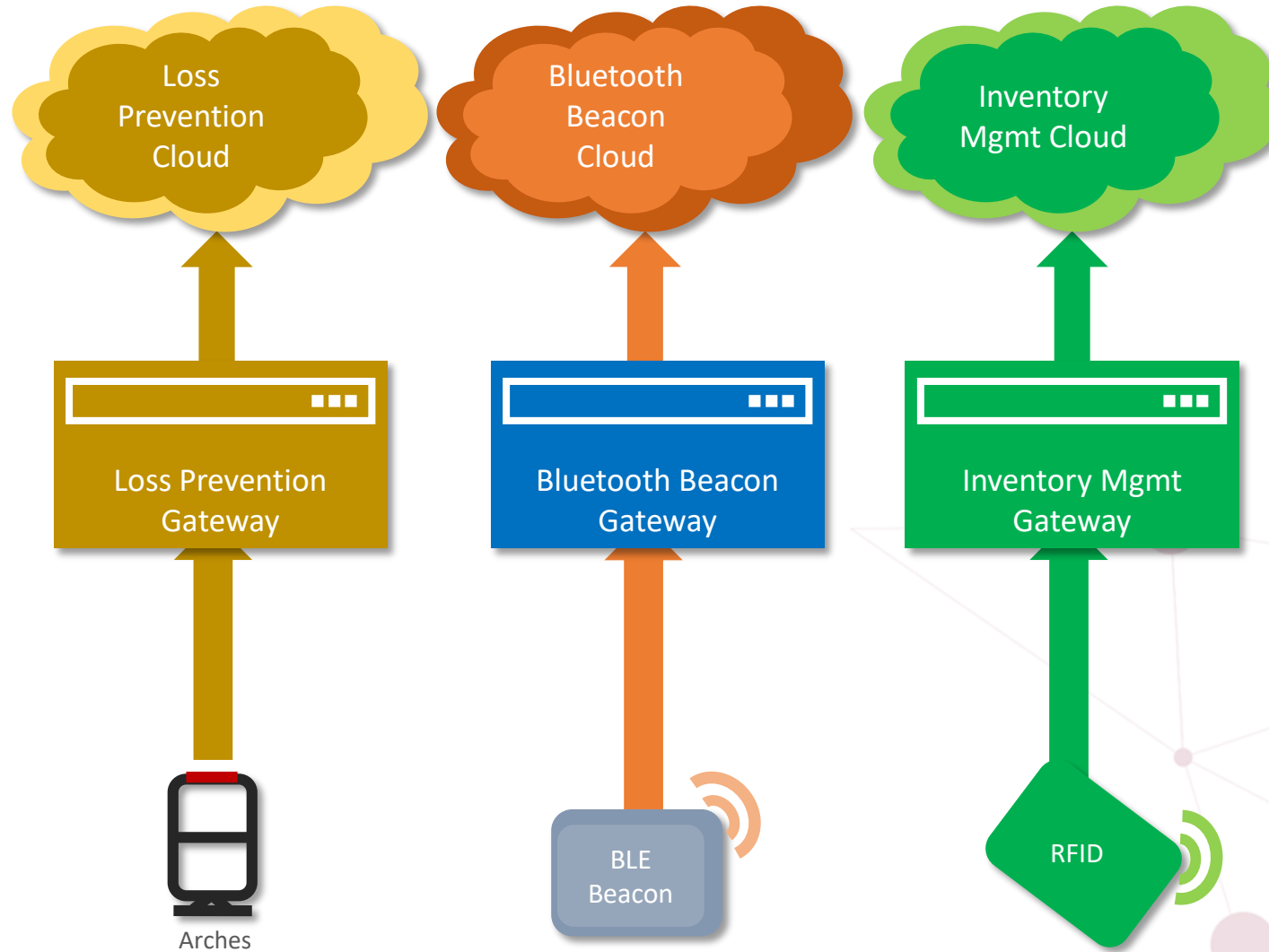
Middleware

Future Ready Compute

AI Ready

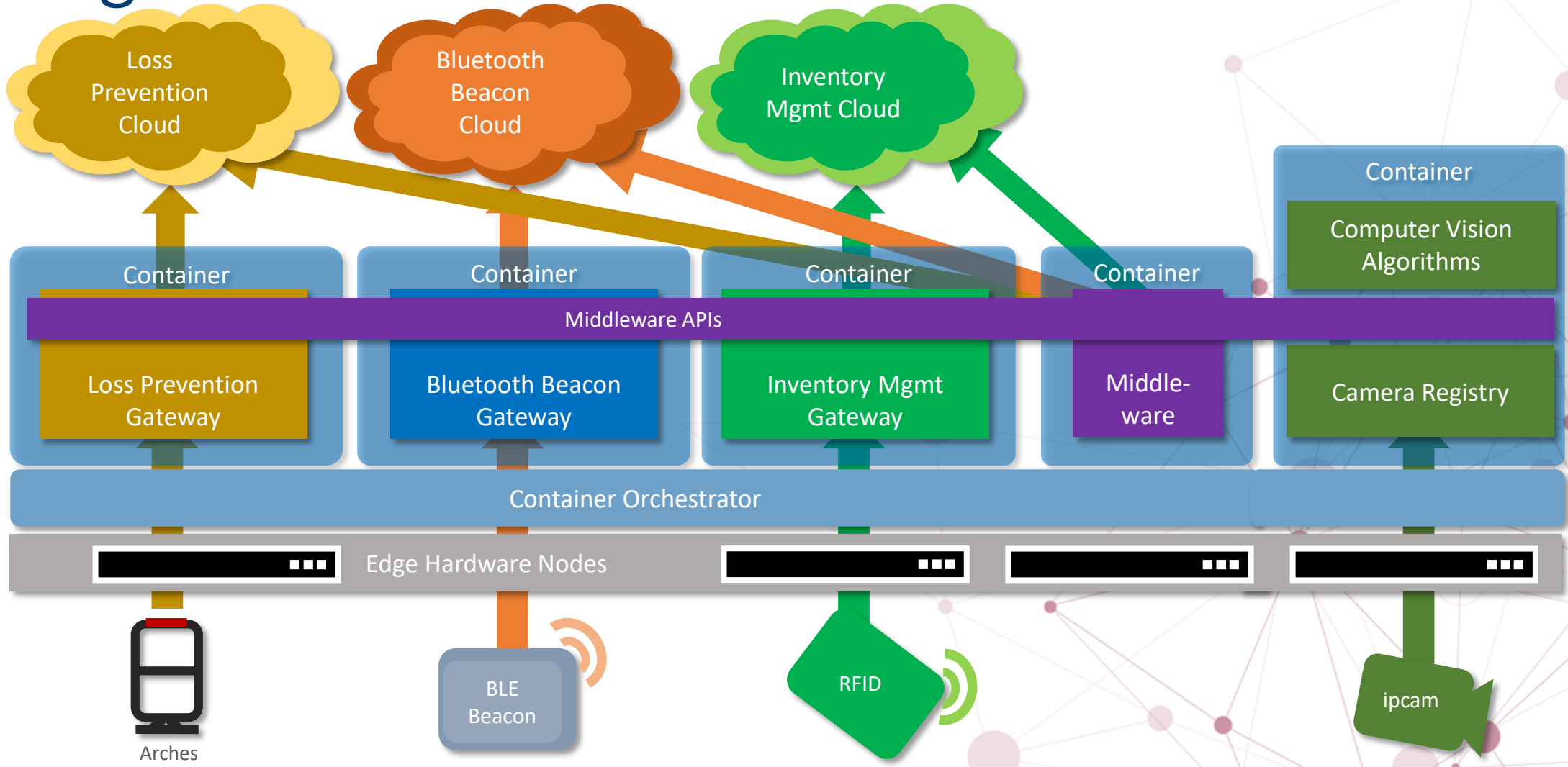


The Store Room Closet



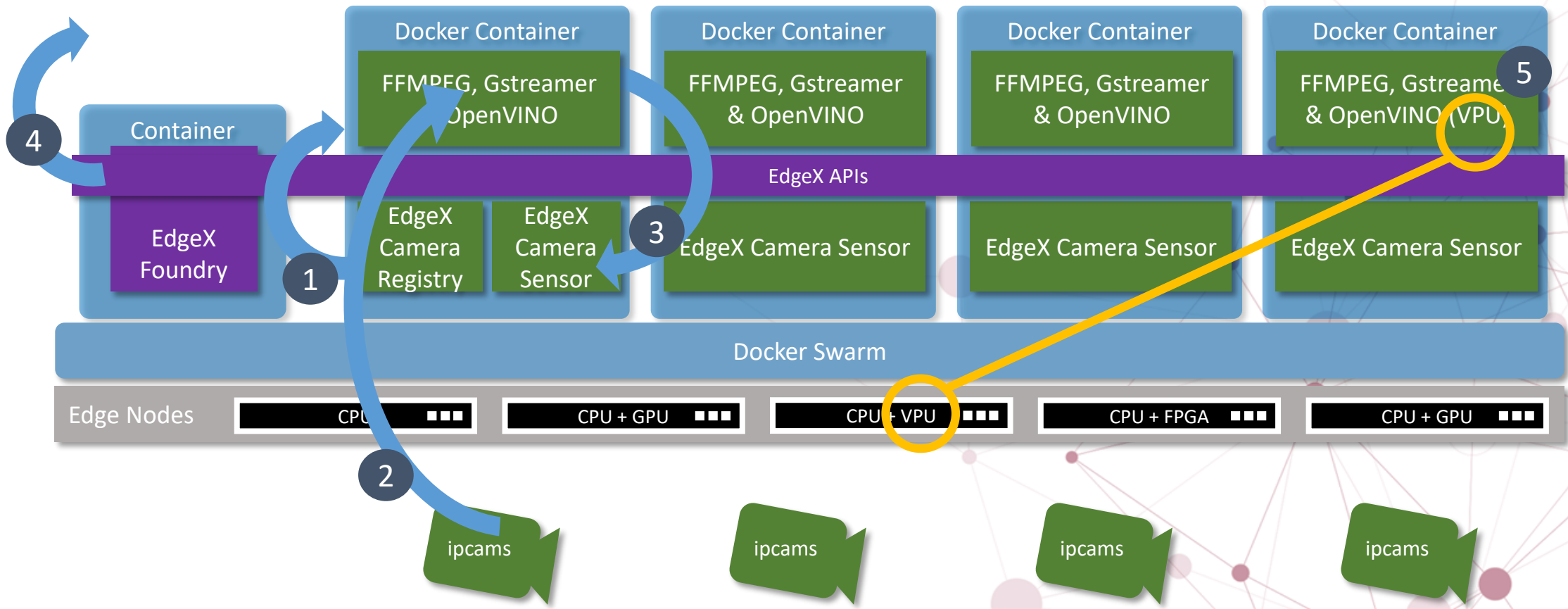
Integrate, Simplify and Innovate

Integrate

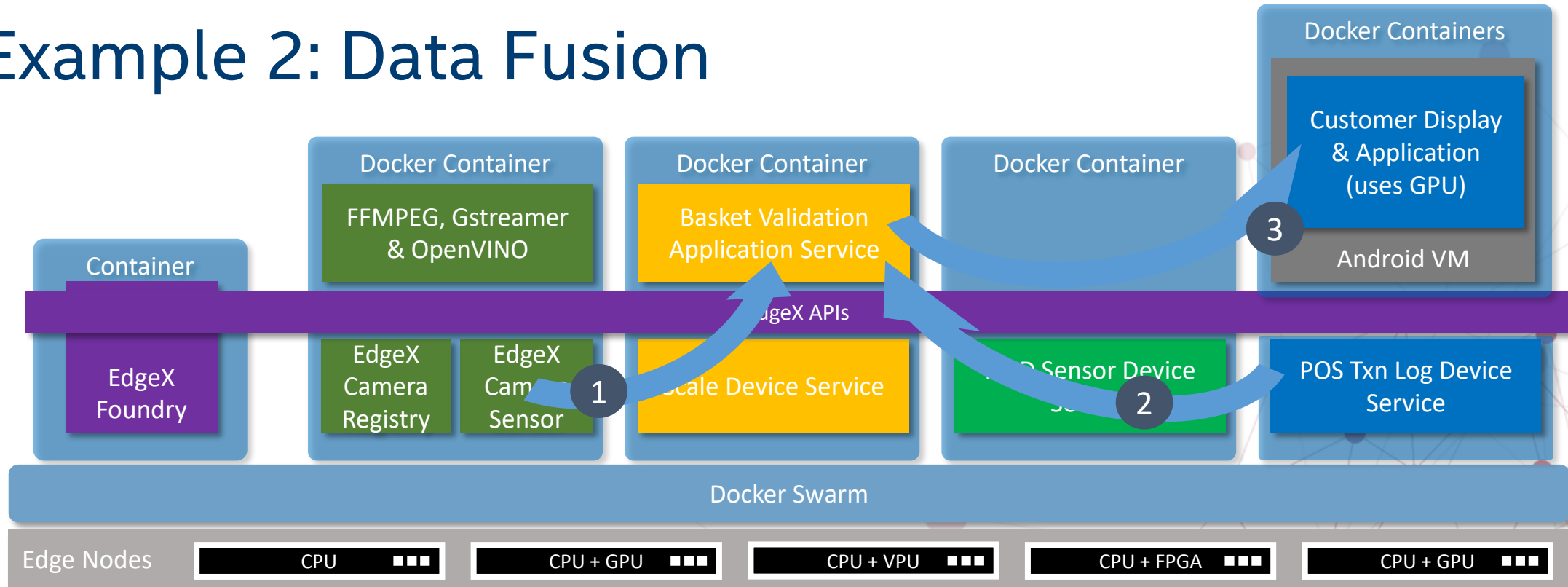


Example 1: Computer Vision

- 1 Gstreamer pipelines are spun up based on camera tags
- 2 IP cameras stream data to Gstreamer pipelines
- 3 Inference events are published to EdgeX
- 4 EdgeX makes inference available for apps and export
- 5 Containers utilize accelerators when available



Example 2: Data Fusion



- 1 Cameras are used as virtual sensors in the experience
- 2 Sensors such as scales and scanners feed the basket validation algorithms
- 3 Data from separate sources, separate vendors, are utilized to guide the customer experience