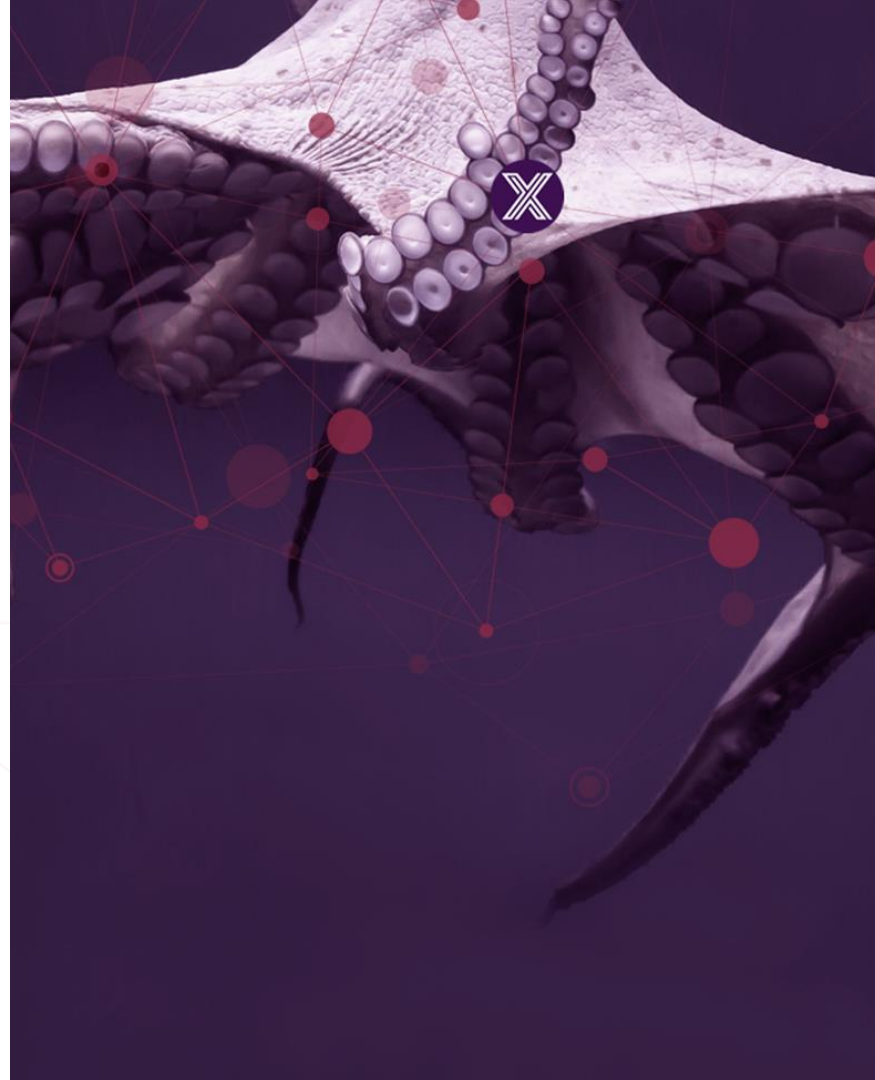




Open Retail Reference Architecture (ORRA)

Initial Project Kickoff Meeting

March 18, 2021



LF Antitrust Policy Notice

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Examples of types of actions that are prohibited at Linux Foundation meetings and in connection with Linux Foundation activities are described in the Linux Foundation Antitrust Policy available at <http://www.linuxfoundation.org/antitrust-policy>. If you have questions about these matters, please contact your company counsel, or if you are a member of the Linux Foundation, feel free to contact Andrew Updegrave of the firm of Gesmer Updegrave LLP, which provides legal counsel to the Linux Foundation.

Agenda

- Welcome – Camillo / Joe / Henry
- Announce: Chairs and Secretary
- ORRA Goals
- Discussion: reach a consensus on the following
 - Desired outcomes for the next 3-6 months
 - Proposed initial architecture
 - Execution Plan
 - Objectives
- Next meeting



ORRA Project Co-Chairs and Secretary



Arnaud Le Hors (IBM)
ORRA Chair



Susan Jefferson (IBM)
ORRA Secretary

- **(Co-)Chair** – This is the leadership and facilitator role. Duties include running meetings and setting the agenda, regular presentations and updates to the founding member projects, recruiting new participants to the project, speaking with the press, and delegating these duties as needed.
- **Secretary** – This is the information capturing and disseminating role. Duties include capturing and publishing meeting minutes, scheduling meetings, creating documentation and templates (or standard forms), and delegating these duties as needed.

From: <https://wiki.edgexfoundry.org/display/FA/ORRA+Governance+Structure>

ORRA Goals

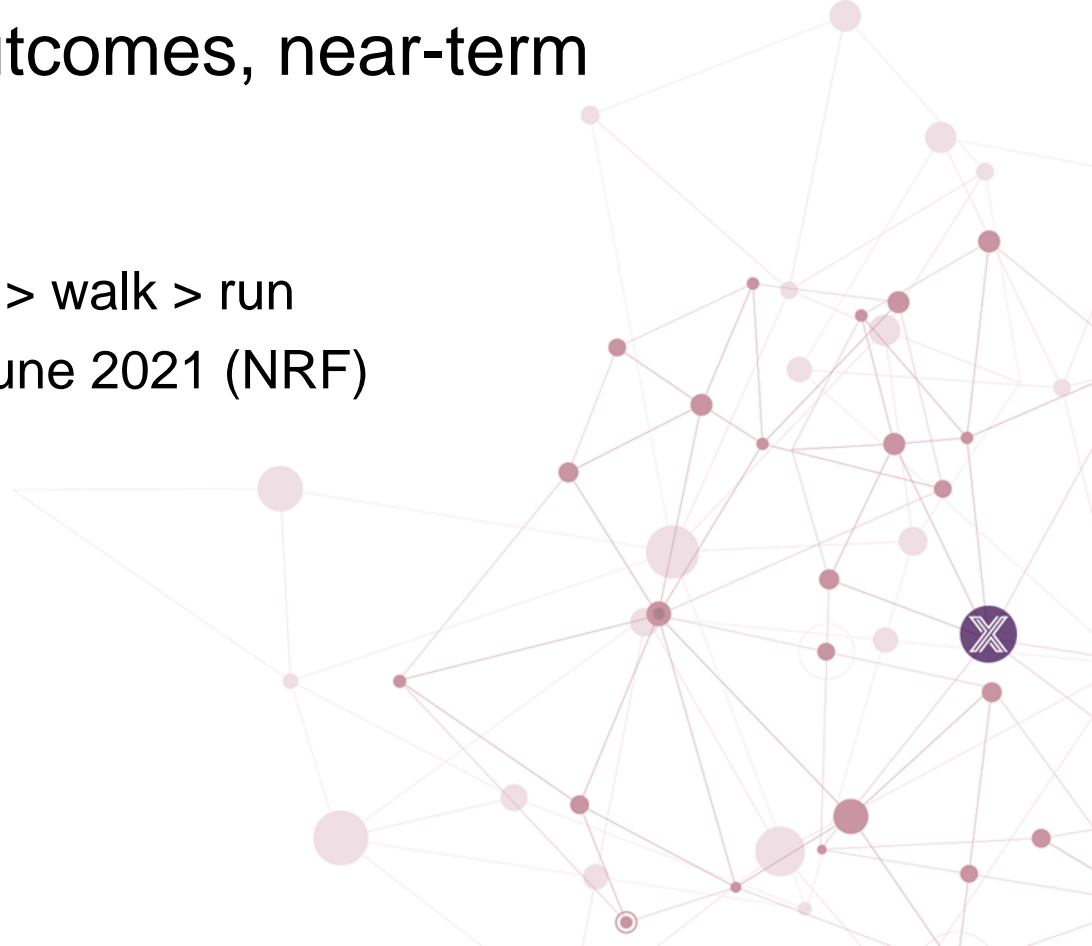
Create...

- A base foundation of retail-centric APIs at cloud and edge for building best-in-class retail experiences (that allow multiple vendors, suppliers and projects to both utilize and implement the APIs)
- A common application deployment platform for edge-native deployments (to minimize validation and integration testing required)
- Consistent integration methods, drawing on cloud-native development practices (so that integrating applications and data at the edge uses the same technology as at the cloud)
- A comprehensive set of connectors for retail IOT devices
- A community based on OSS principles to enable higher velocity of innovation

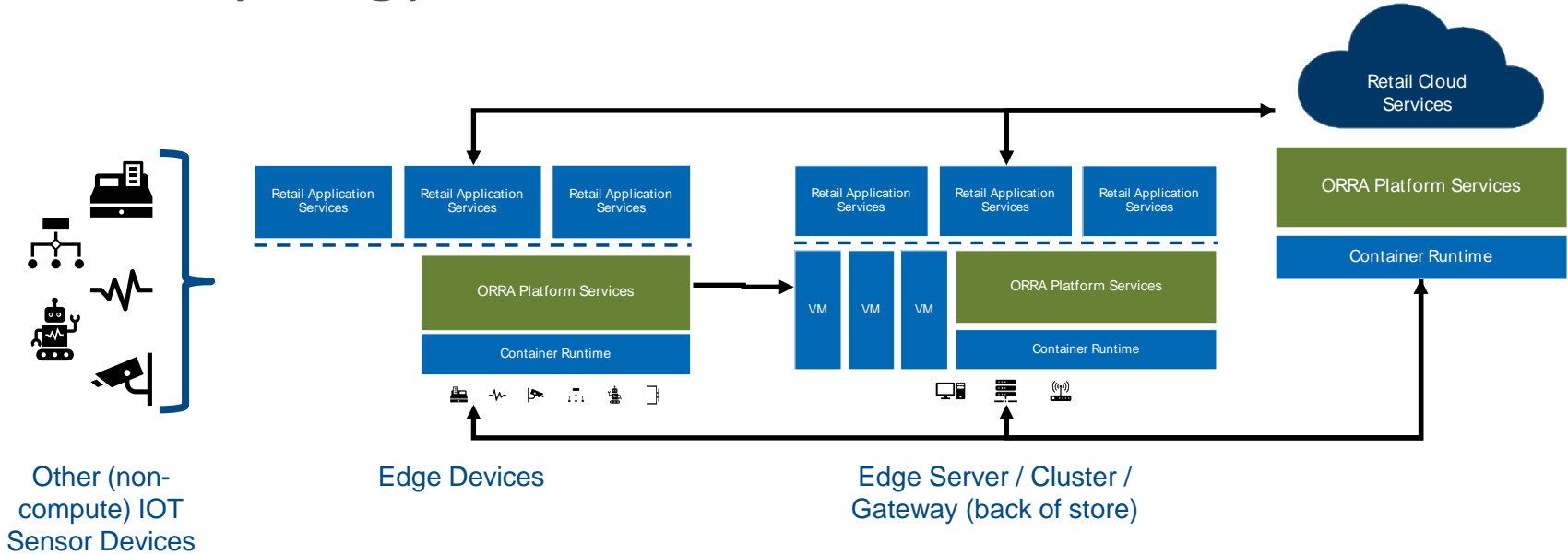
<https://wiki.edgexfoundry.org/display/FA/Open+Retail+Reference+Architecture>

Discussion: Desired outcomes, near-term

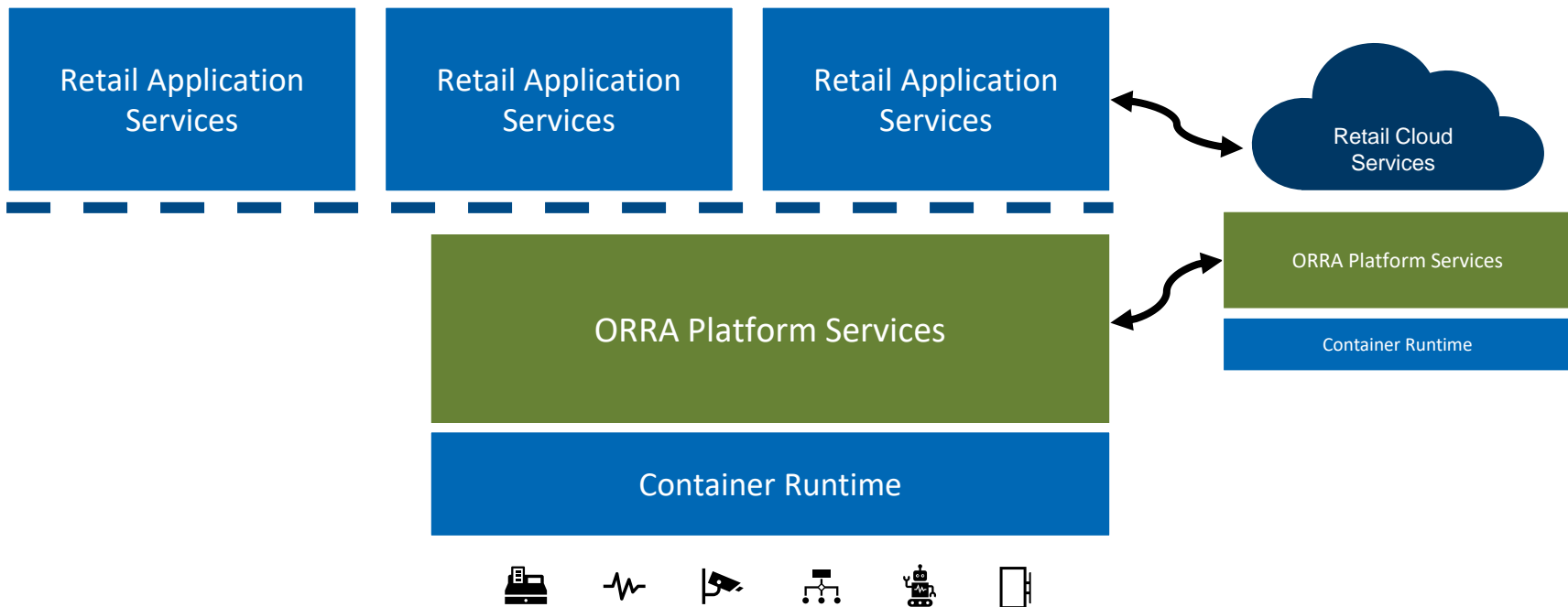
- Define MVP phases: crawl > walk > run
- Crawl phase target date: June 2021 (NRF)
- Walk phase target date:
- Run phase target date:



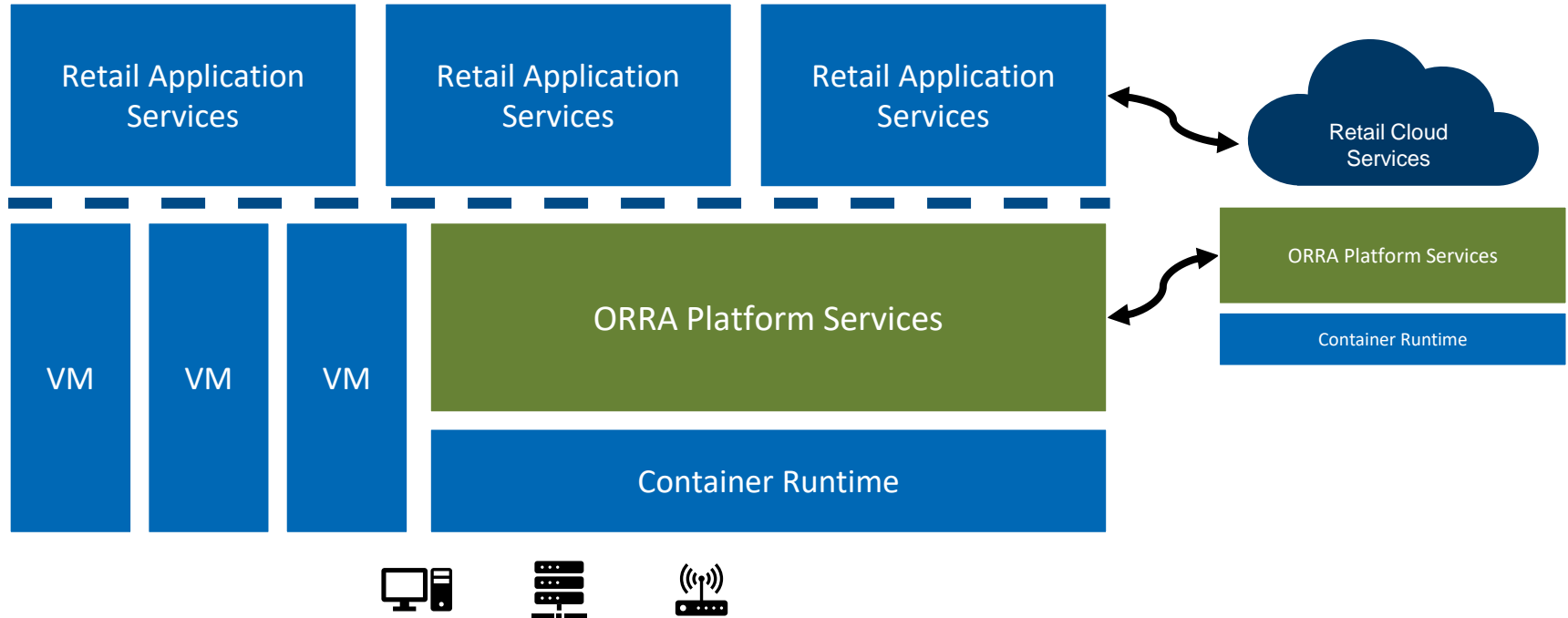
Store topology architecture



Retail Edge Device



Retail Edge Server / Cluster / Gateway (Back of Store)



Discussion: ORRA Execution Plan

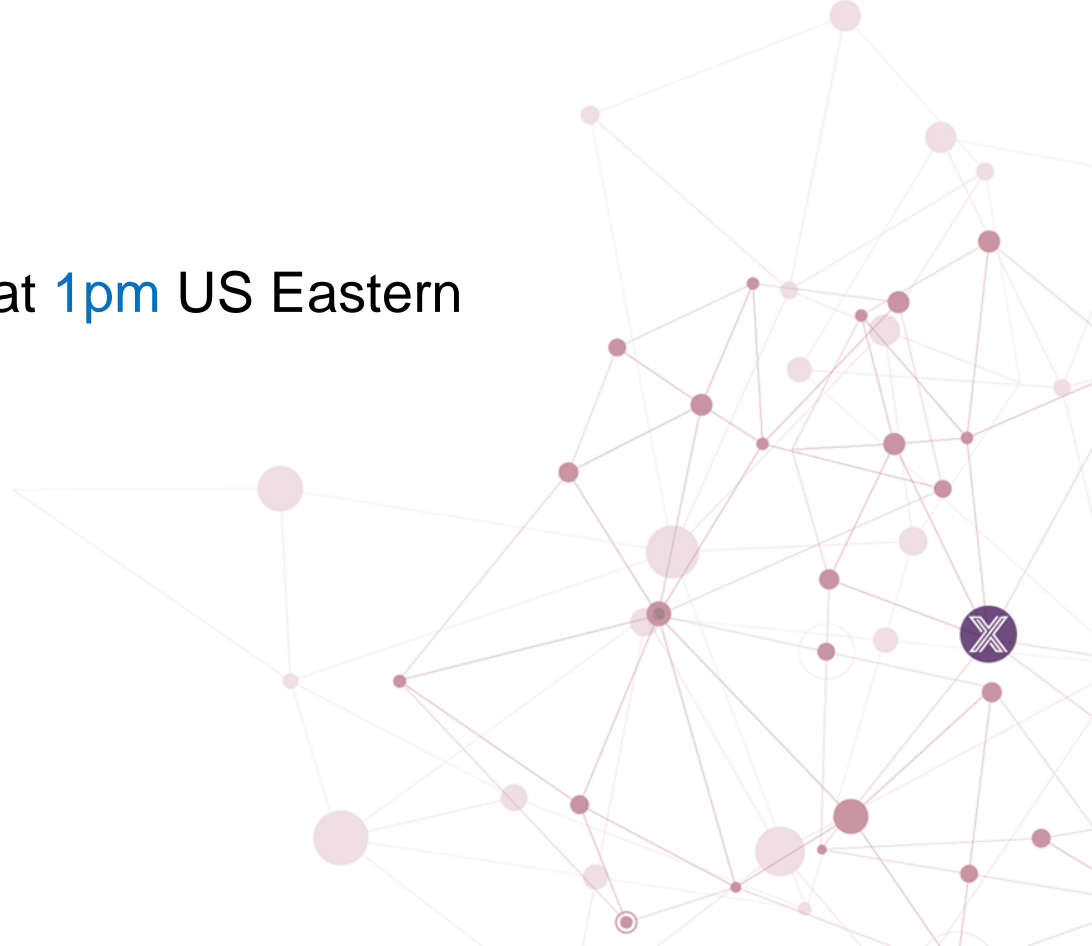
- Agree on foundational components
- Identify missing components
- Request proposals on missing components
- Create integration and testing plans
- Identify gaps in planning: documentation, DevOps system, etc.

Discussion: ORRA Objectives

- Create a framework in which retail suppliers and vendors work together in an ecosystem to deliver their unique value that is vibrant and economically attractive to Retail merchants.
- Develop solutions that:
 - share a common infrastructure
 - have a consistent integration method
 - leverage common security practices
 - have a consistent approach to support and service

Next Meeting

- [April 1, 2021](#) (no fooling) at [1pm](#) US Eastern



The background features a detailed illustration of a squid's mantle and arms, rendered in shades of purple and white. A network of red dots connected by thin lines is overlaid on the squid, suggesting a digital or data theme. A small, stylized 'X' logo is visible on the squid's mantle. The logo consists of a white 'X' inside a dark purple circle.

EDGE X FOUNDRY™

Thank you