



EDGE X FOUNDRY™

# Edinburgh TSC F2F Working Agenda and Deck

Edinburgh, UK  
Oct 23-25, 2018

# WORK IN PROGRESS

**Please connect with Jim W, Brett P, or Keith S for additions,  
re-action, commentary to this deck**

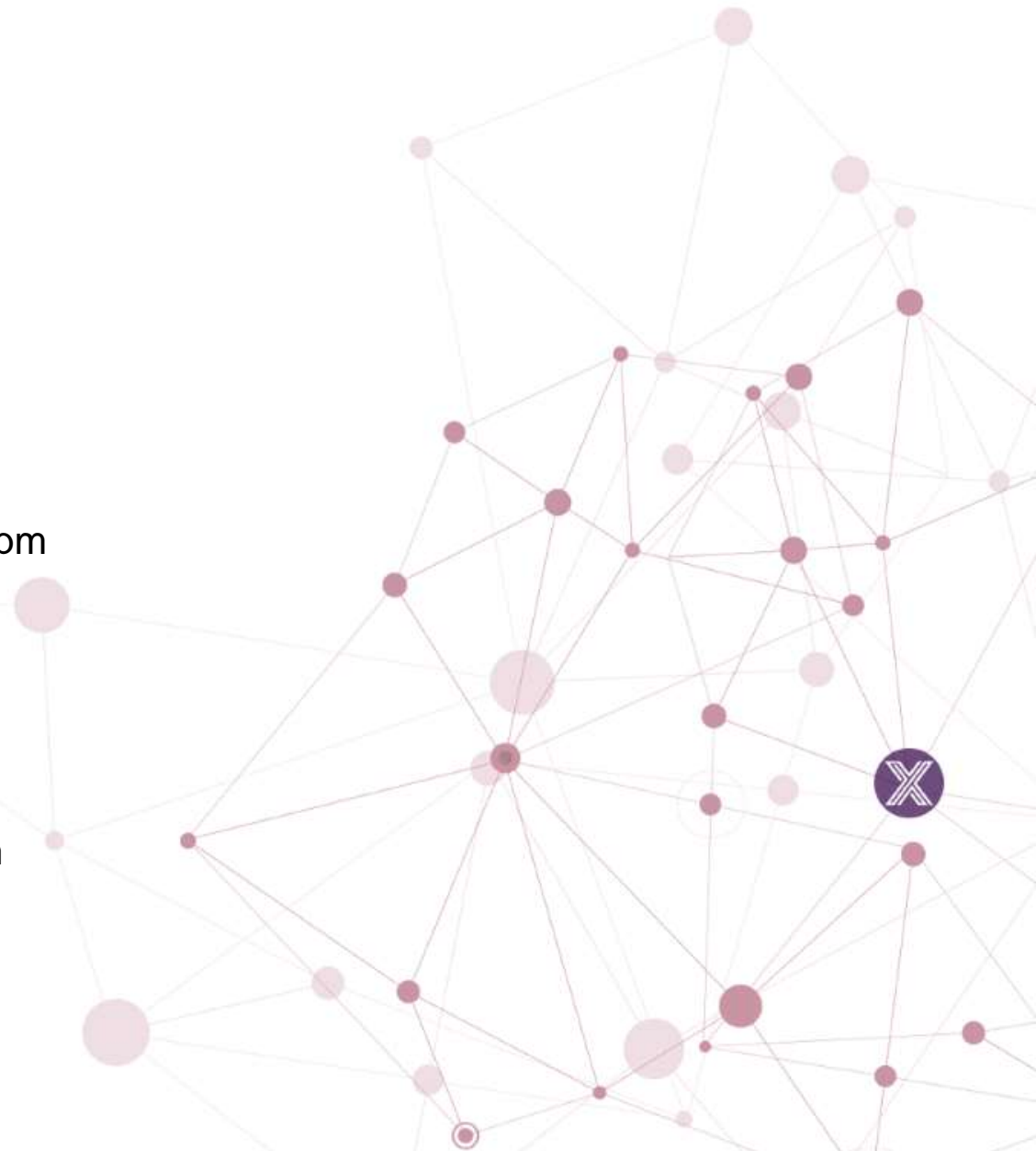


# Edinburgh Work Group Meetings (pre-F2F) – Oct 23

- System Management WG
  - What is EdgeX system management versus gateway management
  - Scoping future system management capabilities
- Security WG
- Application WG
  - Review application services design (Export Services replacement)

# Edinburg F2F Meeting

- Agenda
  - Day 1 – Edinburg planning day
    - Welcome and intro by Keith Steele (IoTech): 9-9:30am
    - Architecture day tee-up: 9:30-11am
      - Review and explanation of upcoming items
    - Edinburgh Planning – what's in/out: 11-2:30pm
      - Scope definition
    - Future Release Roadmaps - Fuji and beyond: 2:30-3:00pm
      - Long range scoping and roadmap review
    - Developer Advocate Perspective: 3:00-3:30pm
      - Better onboarding
    - DevOps Changes – 4-5pm
      - Release management, developer involvement, etc.
  - Day 2 – Architecture issues day
    - TBD architecture discussion and decisions: 9am-2:00pm
    - Demonstrator and DevKits: 2-3pm
    - Business Issues/Discussion: 3-4pm
    - Wrap up and action items: 4-5pm



# Architecture Issues Tee-up – Technical Debt

- Technical Debt (things that need fixed)
  - Mongo replacement – results of Data Persistence project group
  - Export Services (soon Application Services) – state of rework
  - Windows developer support (OMQ issue)
  - ARM 32 support (are we directly supporting or not??)
  - Tutorials and How-to-guides, particularly around south side
  - Database abstraction (hiding IDs, allow for “swapability”, etc.)
- **WORK IN PROGRESS** – provide Jim W topics you'd like to discuss



# Architecture Issues Tee-up - Enhancements

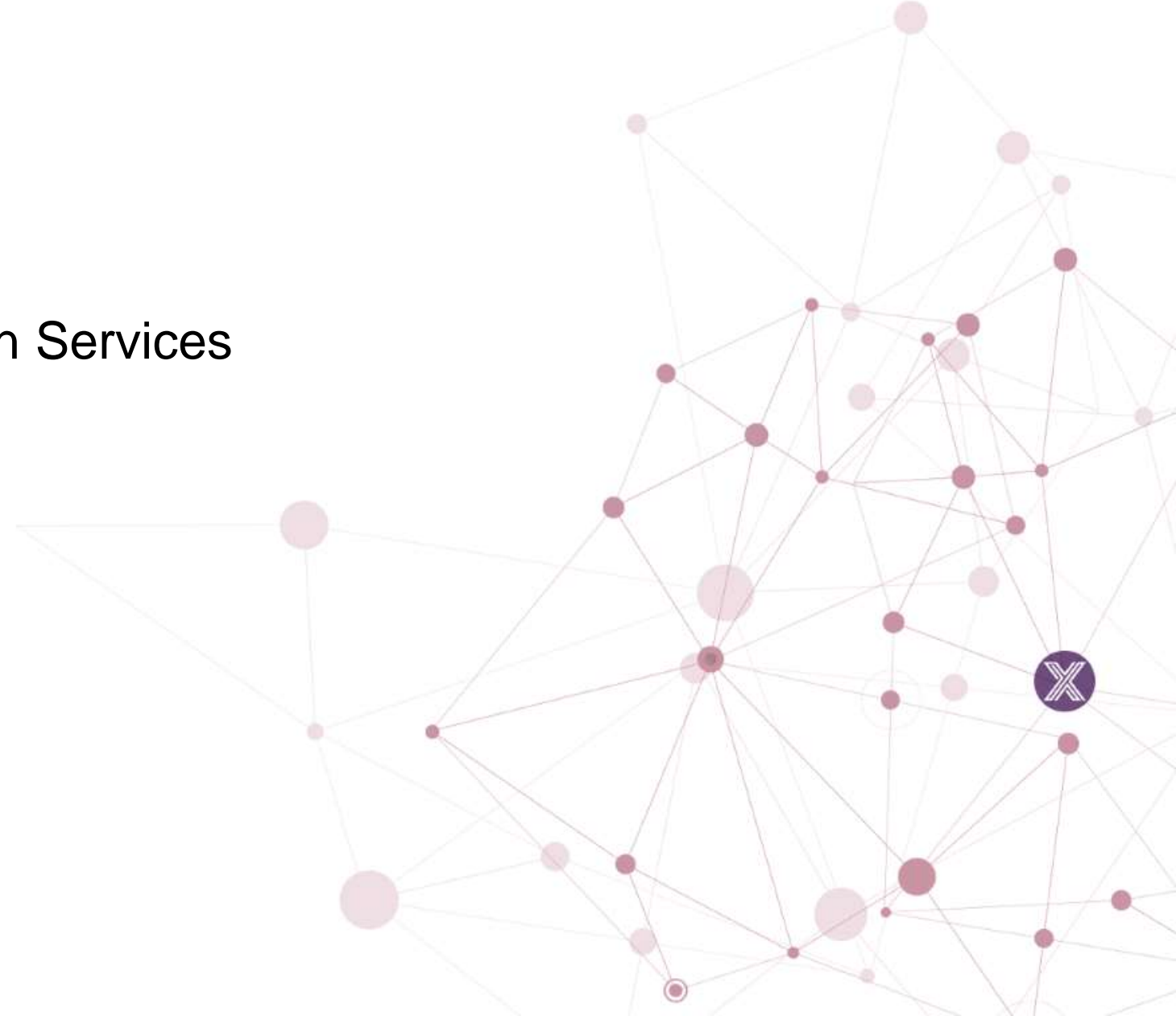
- Config changes and callback/watcher
- Performance testing (who, what, how)
- HW root of trust (HW storage abstraction) in Security
- Alternate deployment / orchestration (ex: adding Kubernetes support)
- Wiki Roadmap/Backlog list review for other topics
- **WORK IN PROGRESS – provide Jim W topics you'd like to discuss**

# Cadence Check

- April & Oct remain target release months
  - Edinburgh – April 2019
  - Fuji – Oct 2019
  - Geneva – April 2020
- F2F planning around time of completion of each release
  - Korea – April 2019
  - ??? – Oct 2019
- Conferences
  - At least 2 x large marketing/promotional events (Hannover Messe, IoT SWC)
  - At least 1 x developer focused event
    - Internet of Things World – May 13-16 (Dell Tech sponsoring)

# Edinburgh Scope

- Major themes
  - Certification program
  - Export Services -> Application Services
  - MongoDB -> ???
  - Device Services galore
- Other efforts
  - Performance testing
  - HW Root of Trust





# Certification Program

- TBD
  - What are we certifying
  - What does it look like
  - What resources does it need



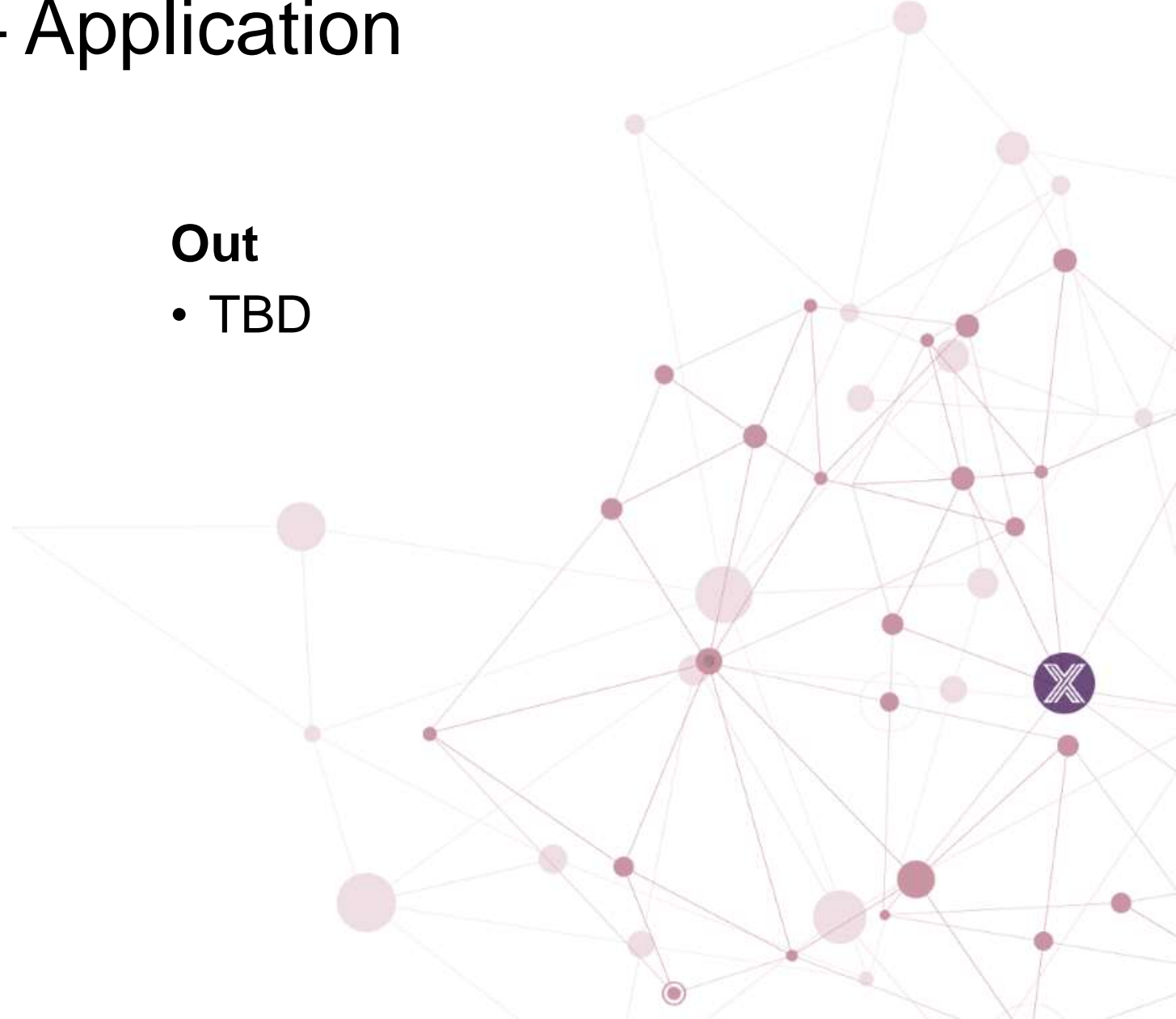
# Edinburgh Planning – Application

## In

- Export Services replaced with Application Services
- Rules Engine replacement

## Out

- TBD



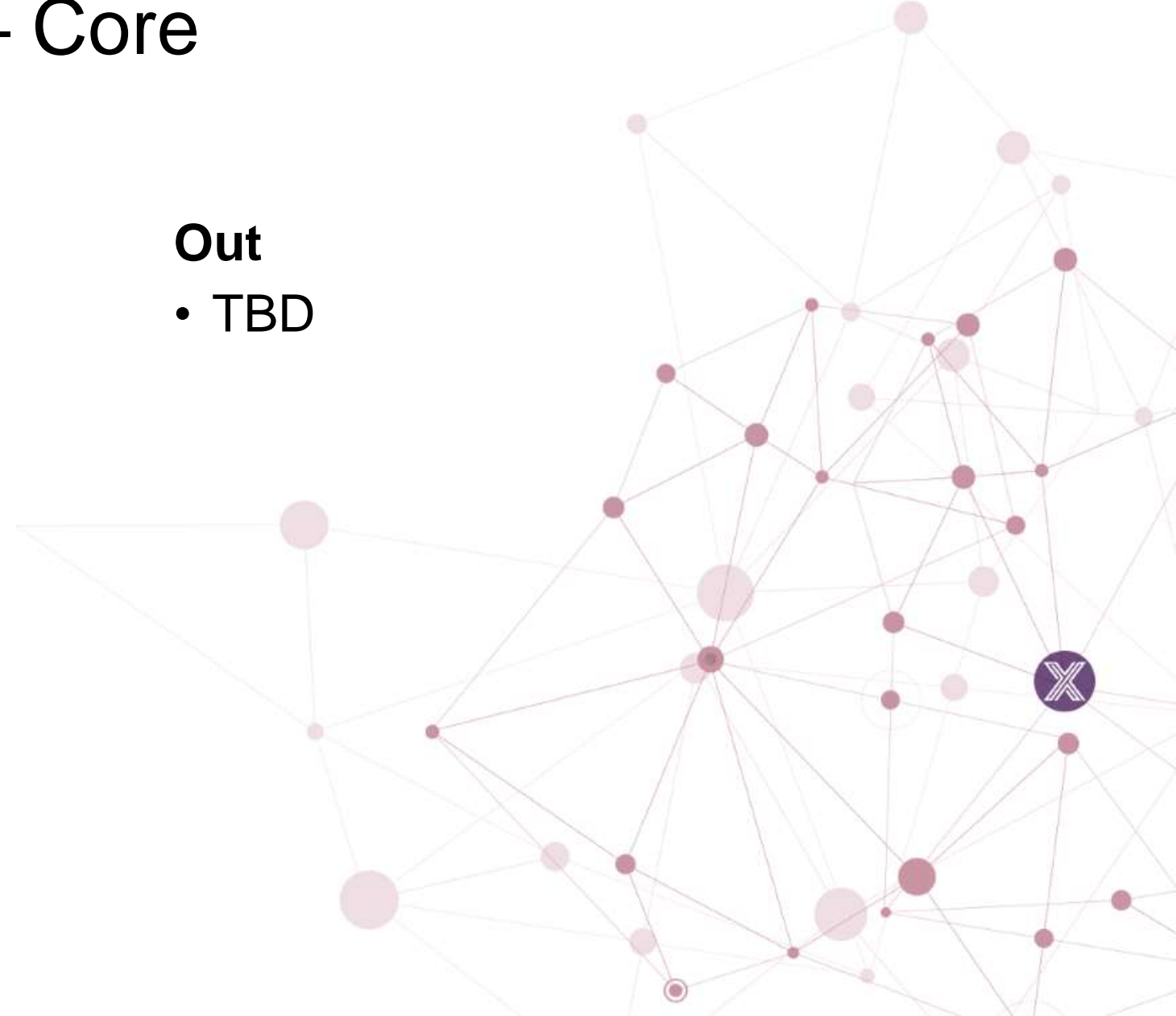
# Edinburgh Planning – Core

## In

- MongoDB replacement

## Out

- TBD



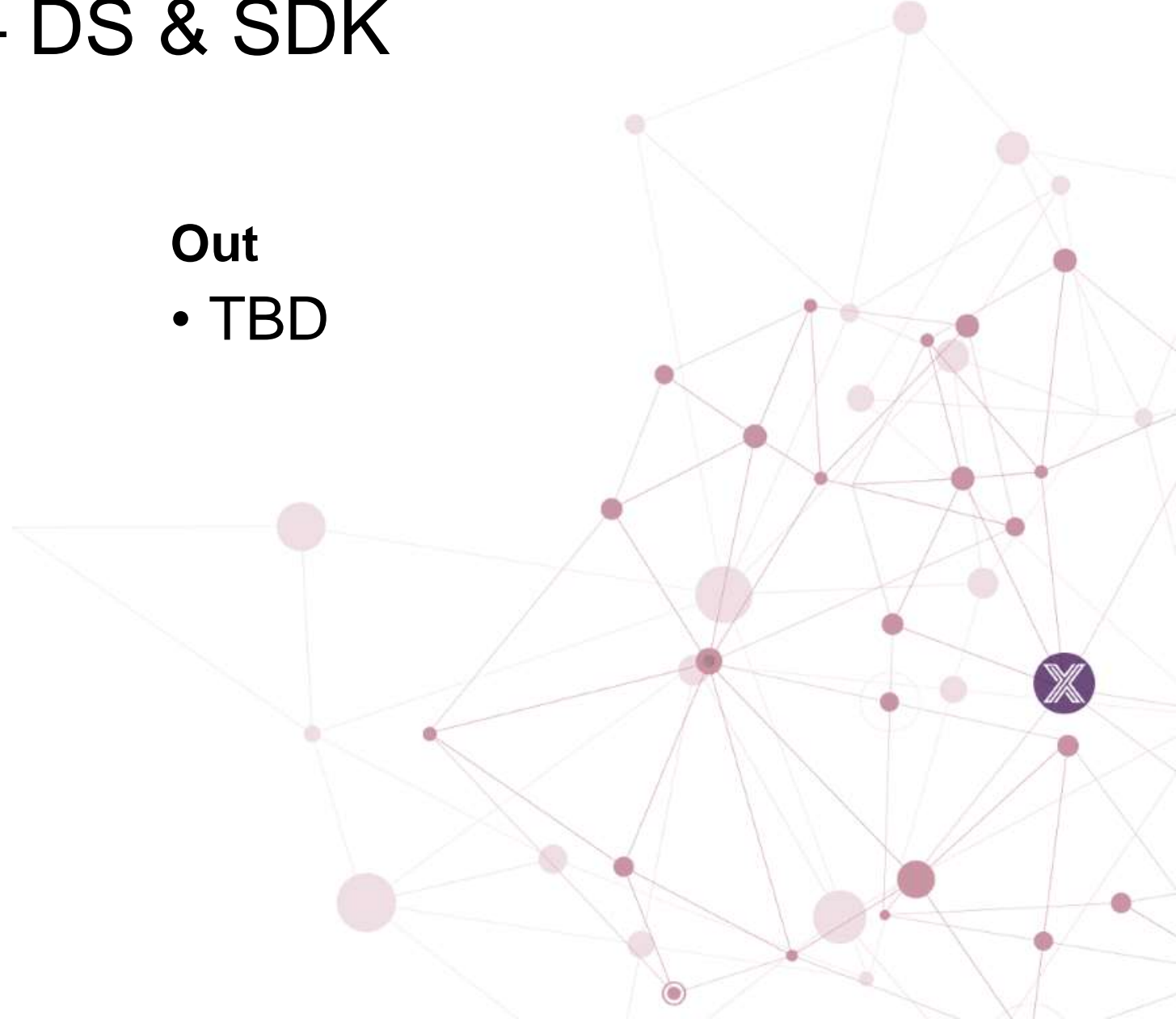
# Edinburgh Planning – DS & SDK

## In

- Device Service SDK Tutorials
- Demo/Virtual Device Services
- DS for Modbus, ... TBD

## Out

- TBD



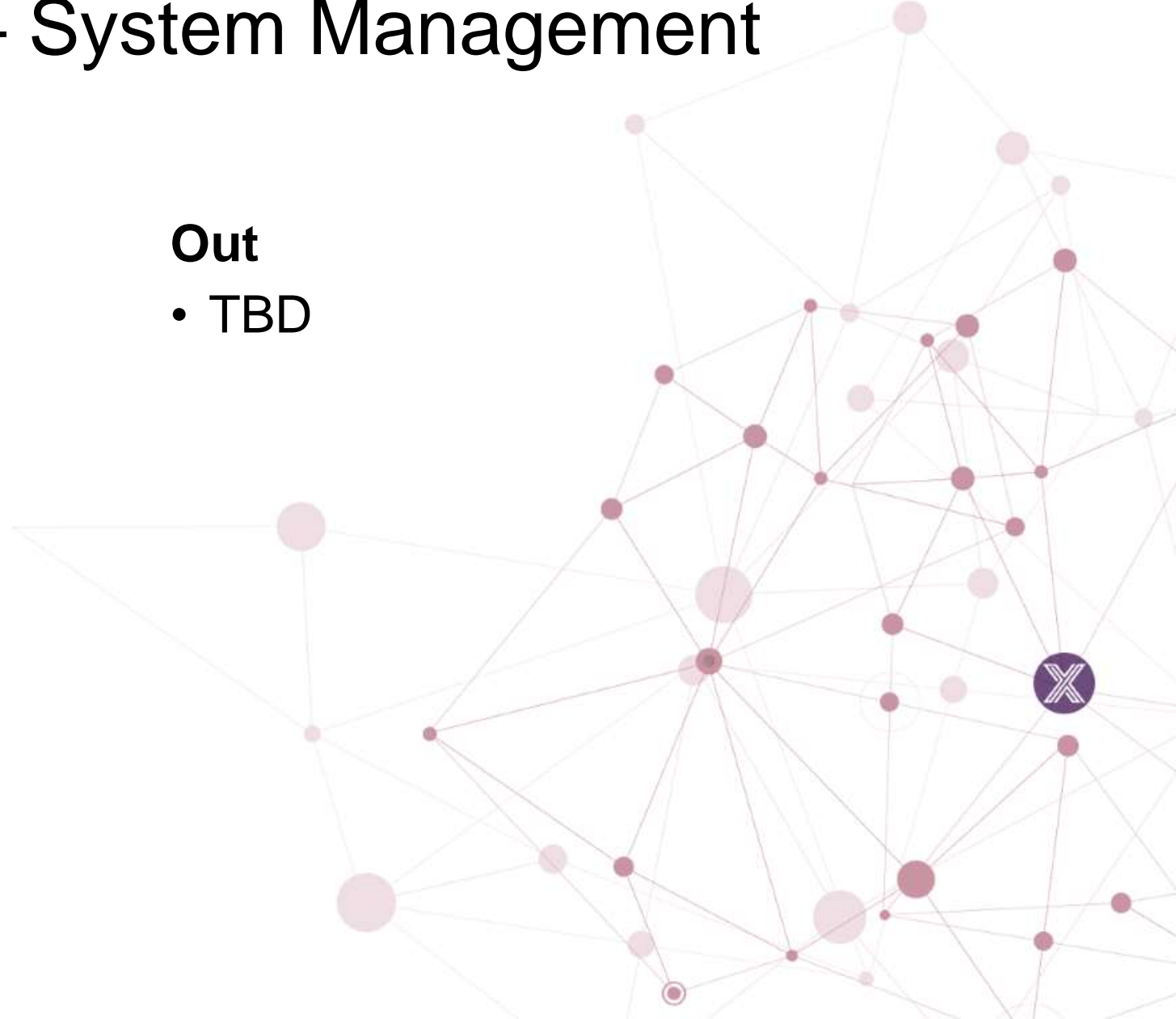
# Edinburgh Planning – System Management

**In**

- TBD

**Out**

- TBD



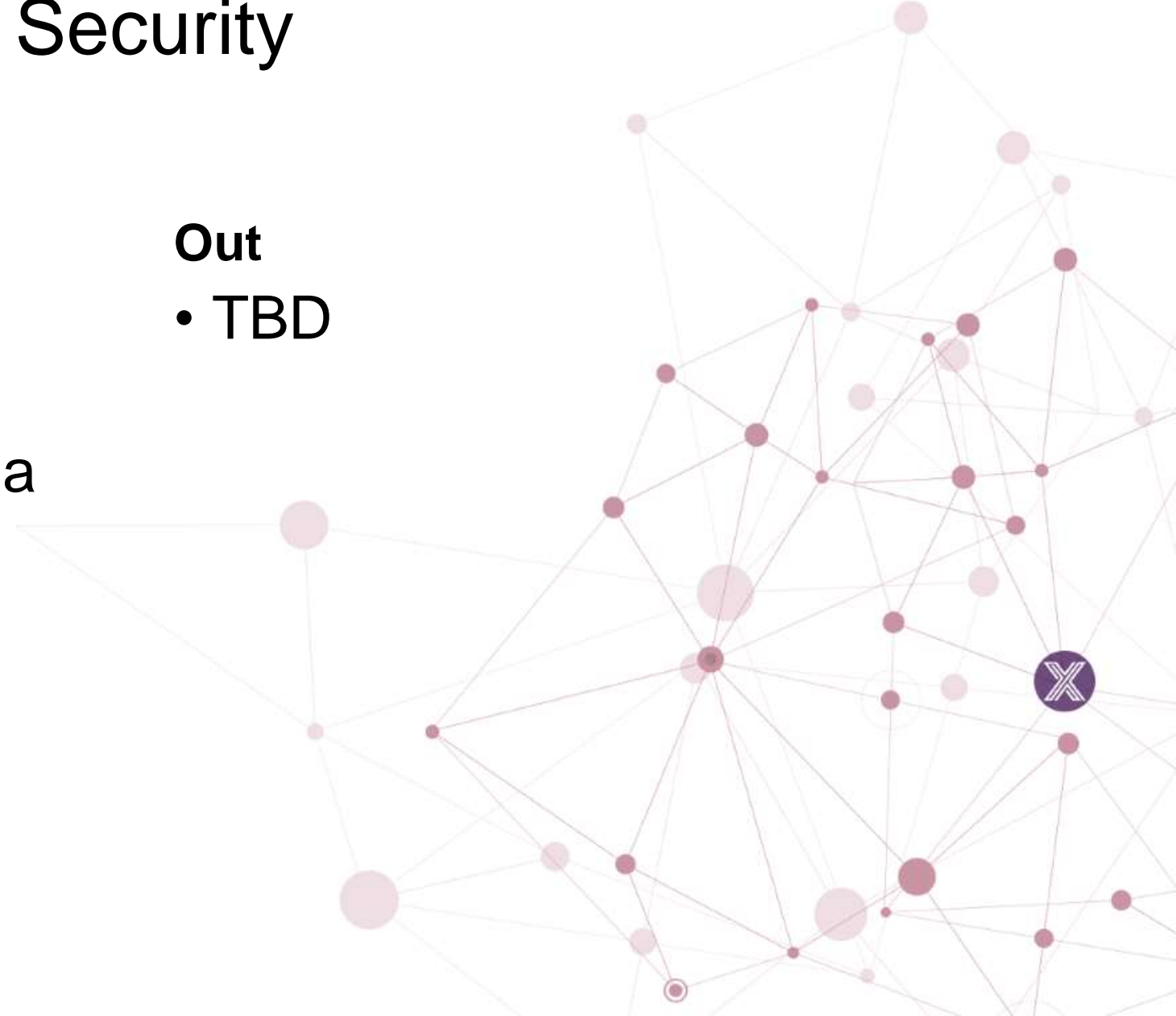
# Edinburgh Planning - Security

## In

- HW Root of Trust
  - Storage Abstraction Layer
- Service-Service comms via Kong

## Out

- TBD





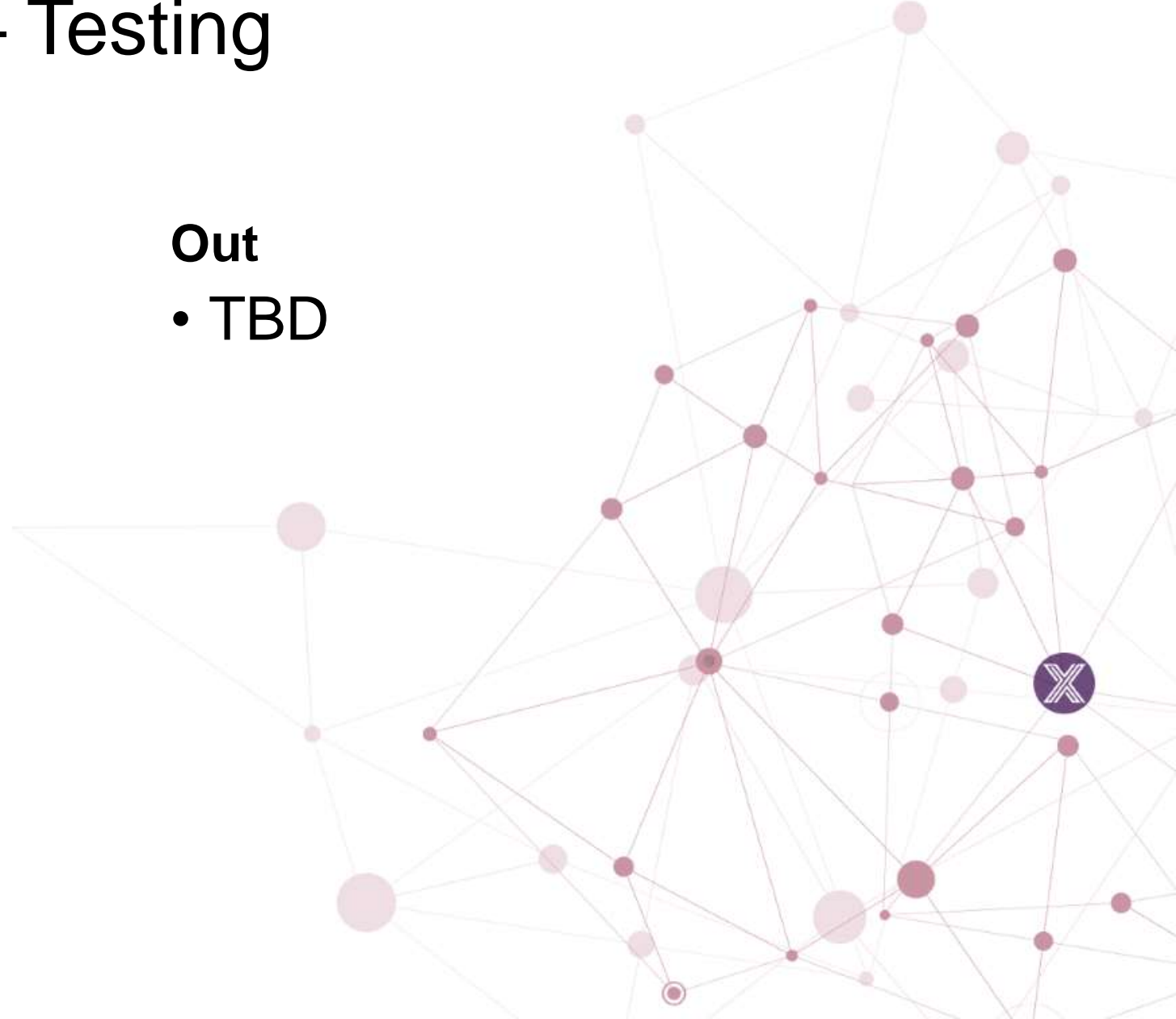
# Edinburgh Planning – Testing

## In

- Performance Testing
- TBD

## Out

- TBD



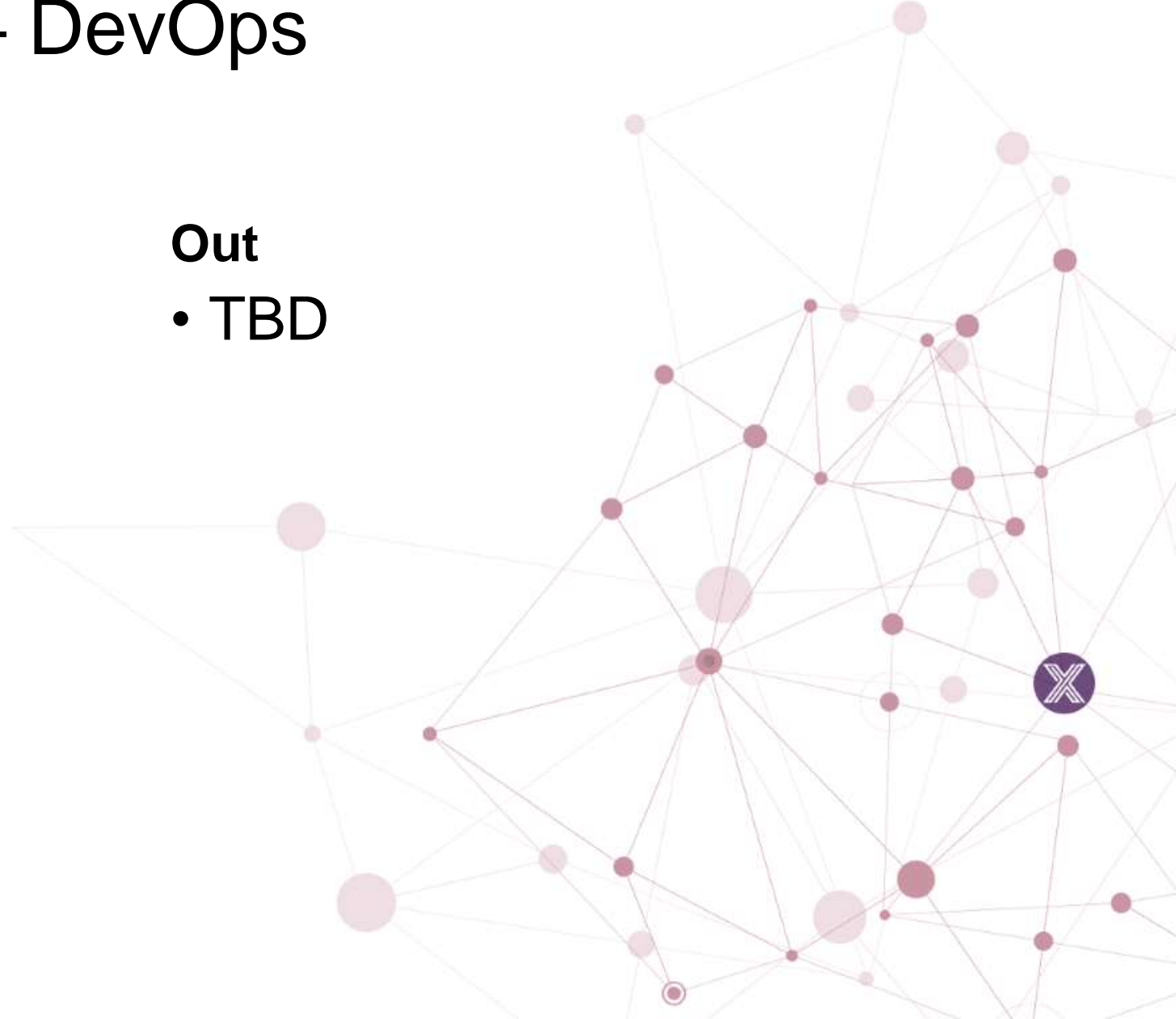
# Edinburgh Planning – DevOps

**In**

- TBD

**Out**

- TBD



# Edinburgh Planning - Vertical Solutions

- TBD



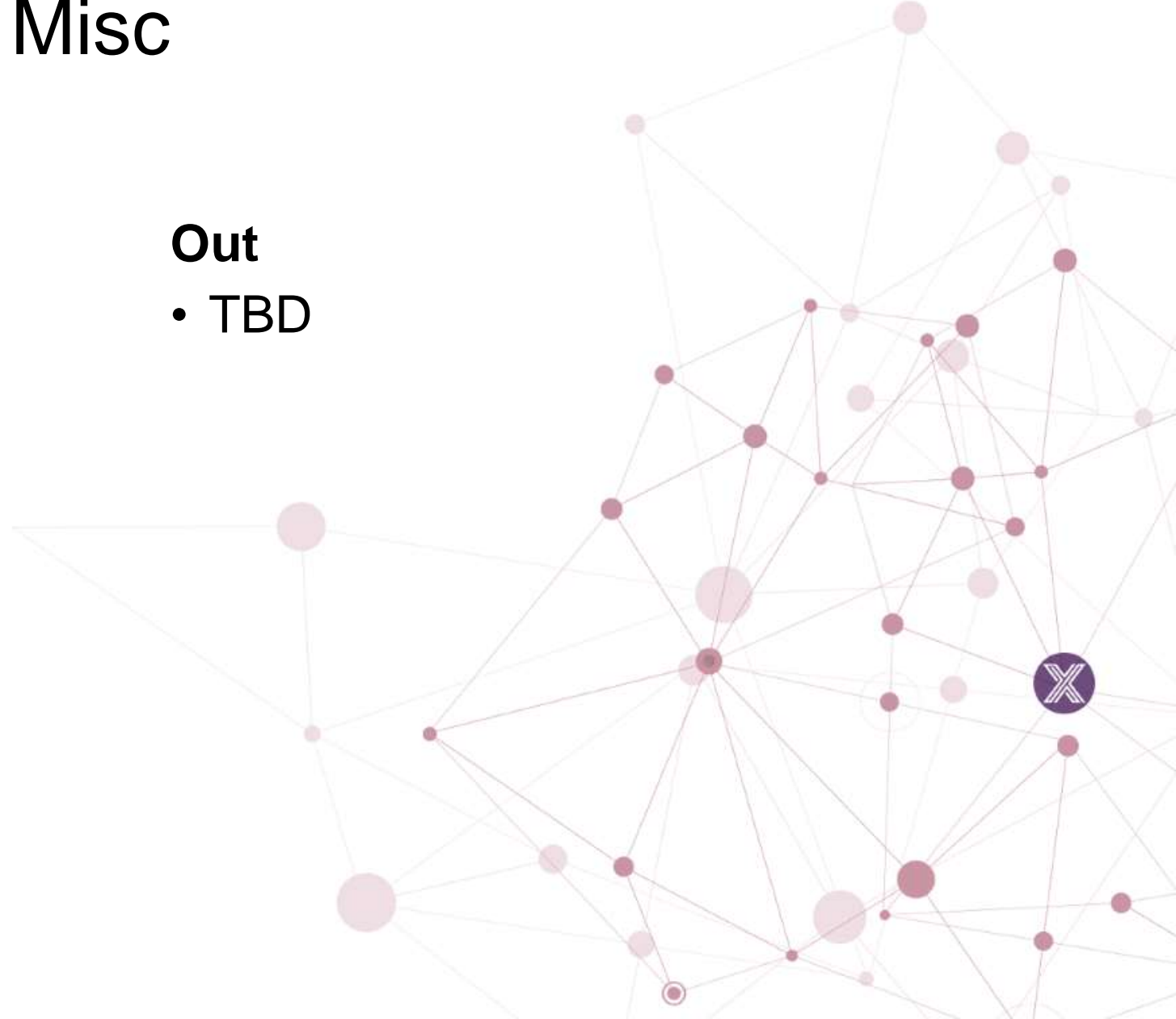
# Edinburgh Planning - Misc

## In

- TBD

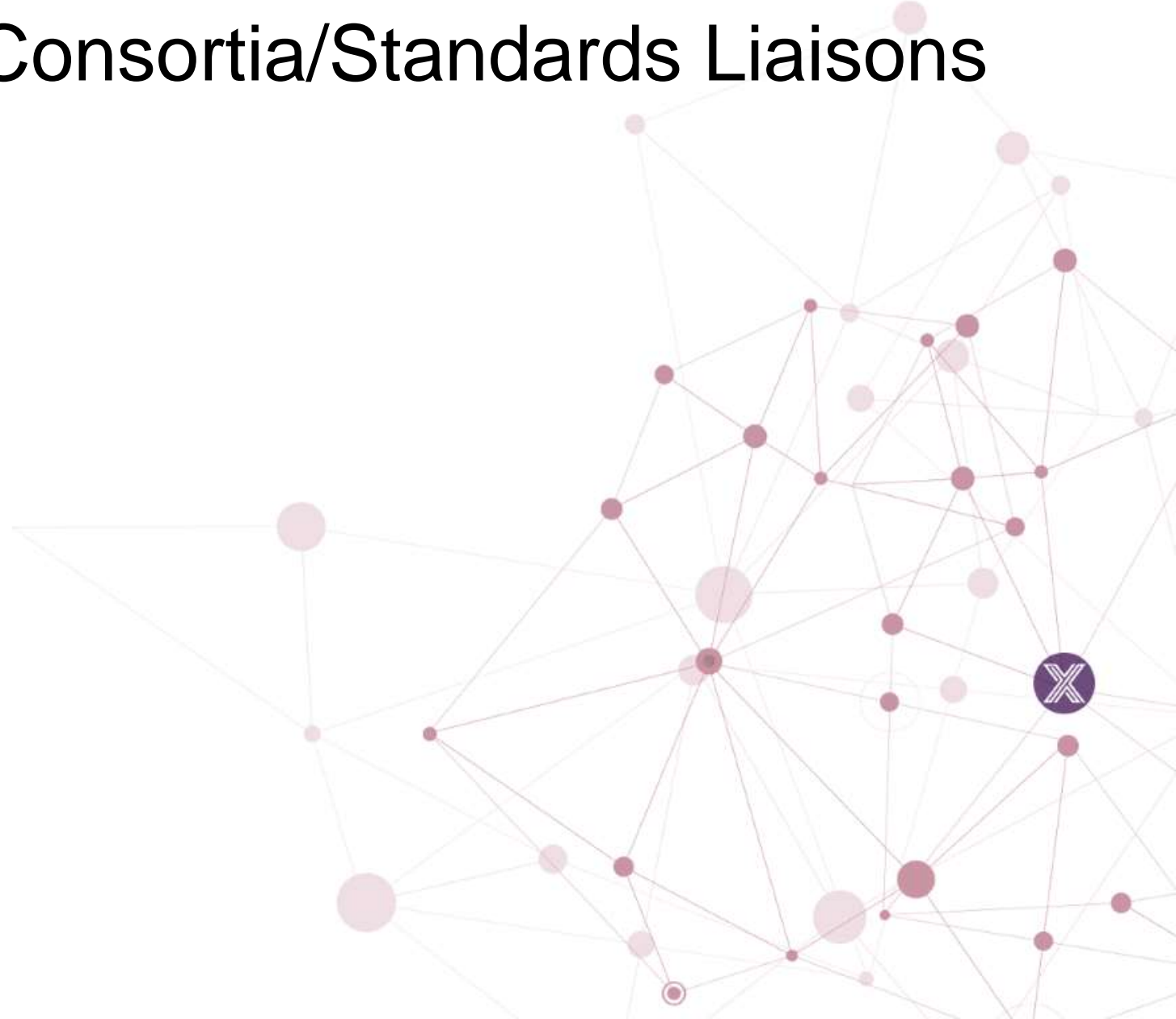
## Out

- TBD



# Edinburgh Planning – Consortia/Standards Liaisons

- TBD



# Fuji & Beyond

- Roadmap refresh
- Backlog refresh
- TBD





# Developer Advocate

- Improving onboarding
- Upcoming changes
- TBD



# DevOps

- TBD
  - Release management
  - Developer participation



# Architecture – Tech Debt/Readdress

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Discuss as potentially part of Edinburg

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TBD

Discussed time permitting and proposed for Fuji or beyond

# Architecture – Desired Enhancements

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Discuss as potentially  
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# Architecture – Desired Enhancements (Cont.)

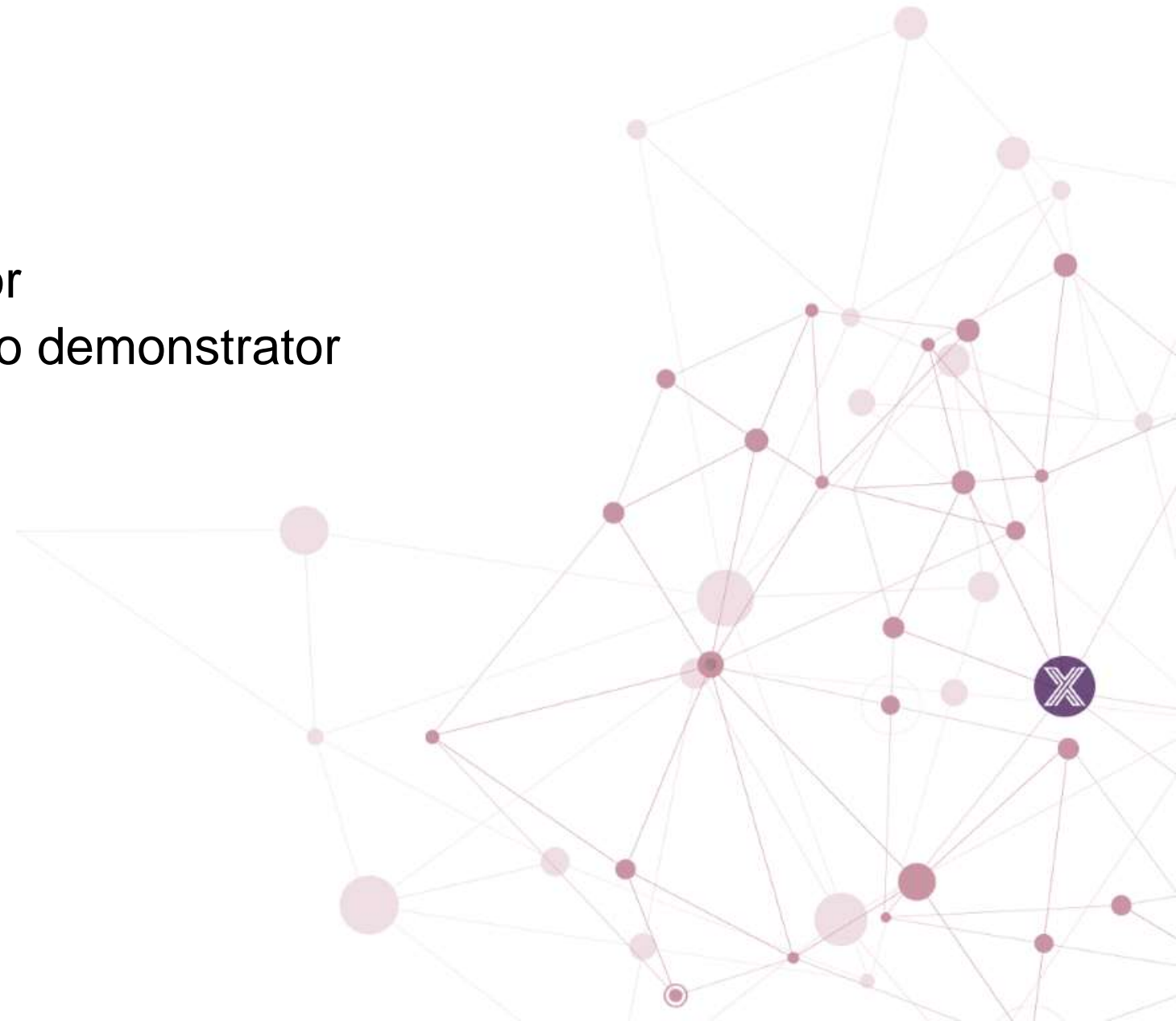
- TBD



Discussed time permitting and proposed for Fuji or beyond

# Demonstrator/DevKits

- TBD
  - Status of IoTech demonstrator
  - Potential additions/changes to demonstrator
  - DevKit





# Business Issues

- TBD

