Platform presentation

with synchronization and collaboration system

openXeco

Open Exchange for ecosystems
https://openxeco.org/

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- ✓ Use cases
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Platform

Platform

✓ Open source with a public repository

  ● https://github.com/CybersecurityLuxembourg/openxeco-core

✓ Components

  ✓ oxe-api: API as a middle-ware between the database and the web app

  ✓ oxe-web-admin: Web app for administrators

  ✓ oxe-web-community: Web app for the community

✓ Additional web app consuming the API

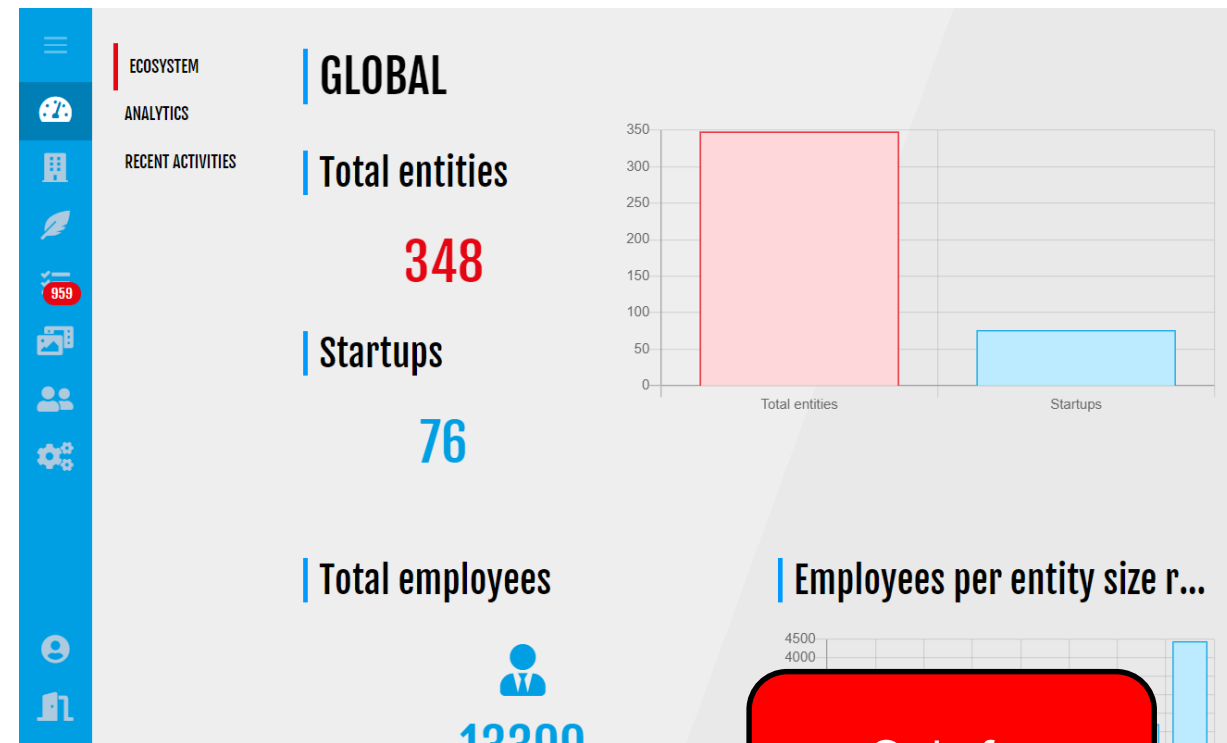# Platform

Platform: oxe-web-admin

- ✓ Manage entities
  - ✓ Including metadata, address, contacts, workforce, taxonomy
- ✓ Manage articles
  - ✓ News, events, job offers, services, tools
- ✓ Manage requests (see next slide)
- ✓ Manage taxonomies
- ✓ Control the data
- ✓ Manage settings

https://db.cy.lu/

ECOSYSTEM
ANALYTICS
RECENT ACTIVITIES

GLOBAL

Total entities

348

Startups

76

Total employees

13200

Employees per entity size r...

Only for administrators

Platform: oxe-web-community

- ✓ Manage personal data
- ✓ Manage my entities via requests
  - ✓ Including metadata, address, taxonomy
- ✓ Edit and publish articles on behalf of my entity
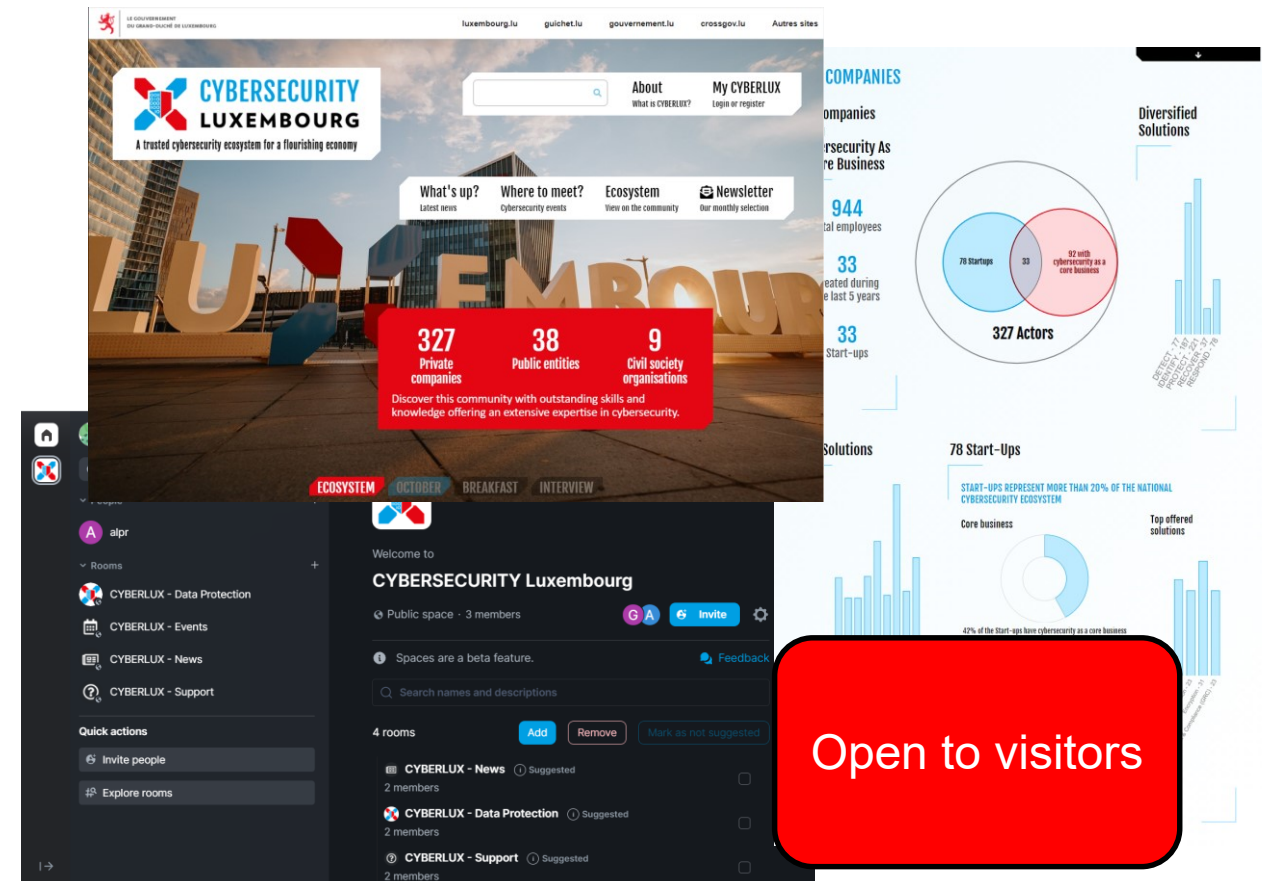 - ✓ News, events, job offers, services, tools
- ✓ Generate logo

https://my.cybersecurity-luxembourg.com/
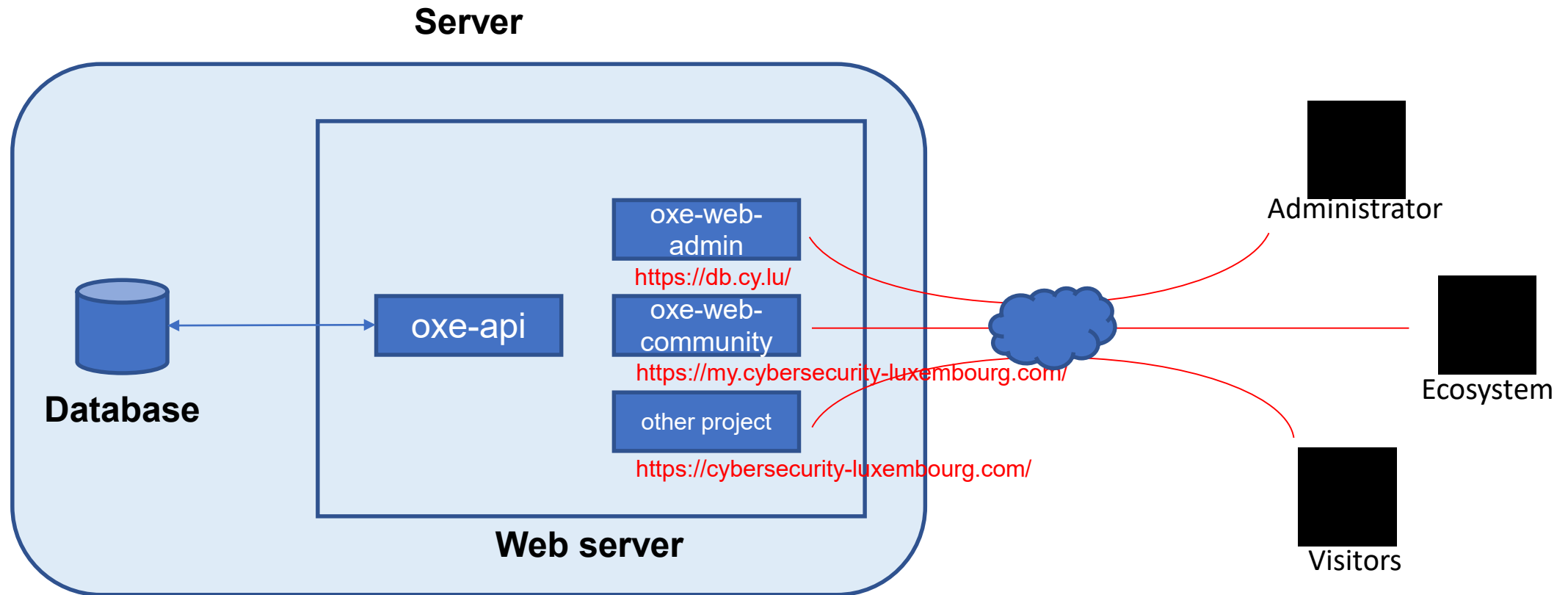

Open to ecosystem
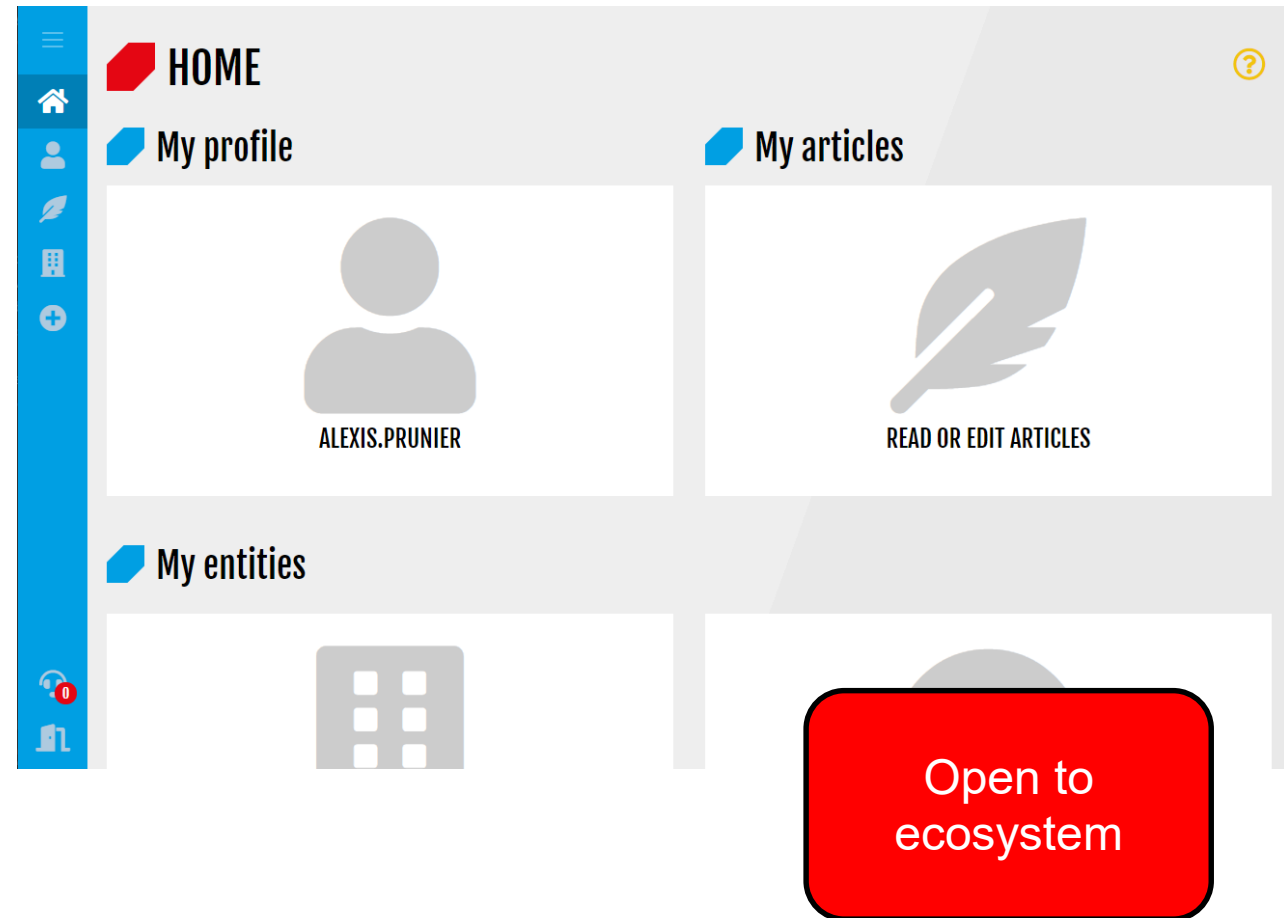
Platform: other projects

✓ Side web app consuming the API

✓ Give a representation of the ecosystem

✓ Show the article published by the administrators and the community
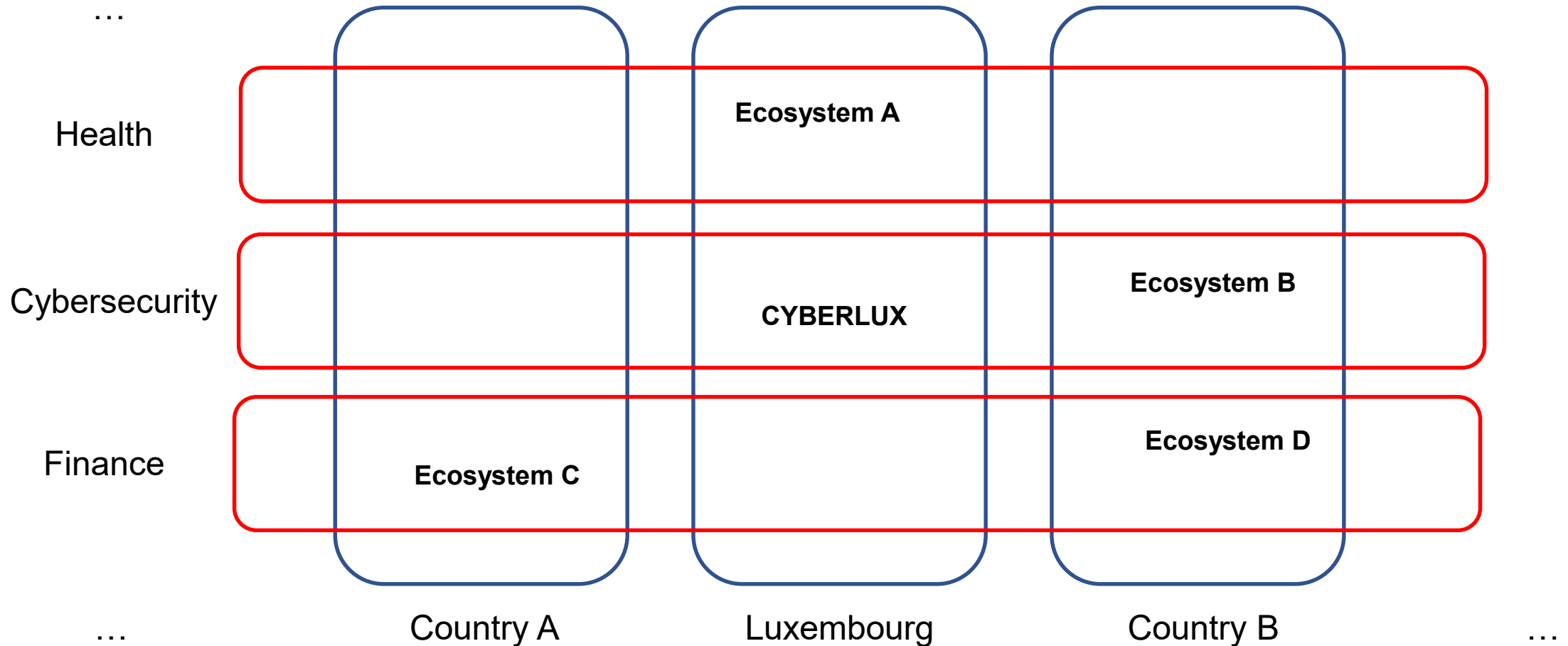
✓ Give access to any tier

Open to visitors

Platform

Connecting the ecosystems

Connecting the ecosystems

...

Health

Cybersecurity

Finance

Ecosystem A

Ecosystem B

CYBERLUX

Ecosystem D

Ecosystem C

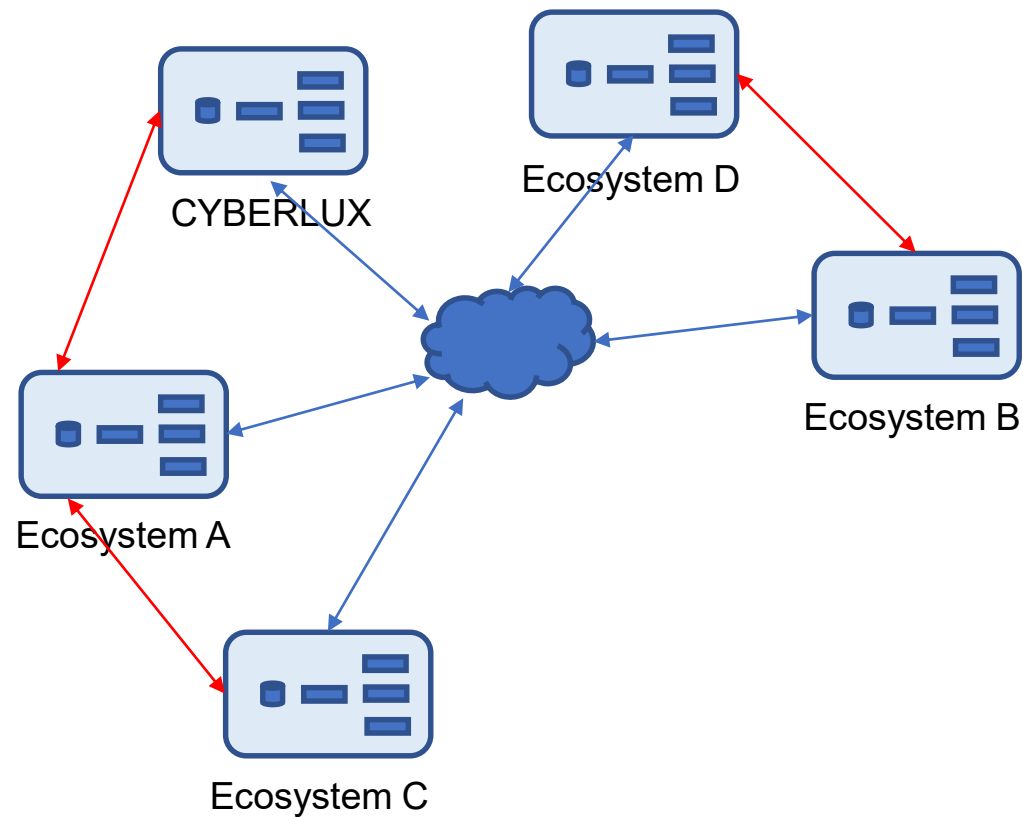Country A   Luxembourg   Country B

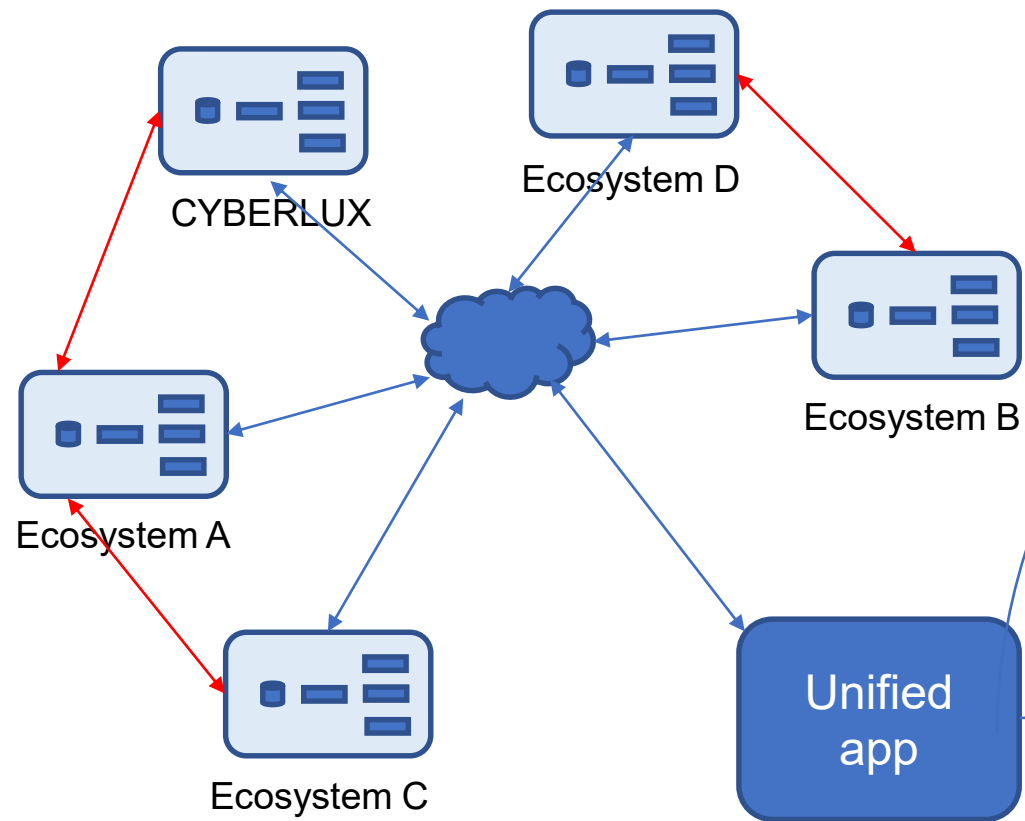...   ...

Connecting the ecosystems

- ✓ All the nodes are independently connected to the internet
- ✓ Each node can synchronize objects from another node

Connecting the ecosystems
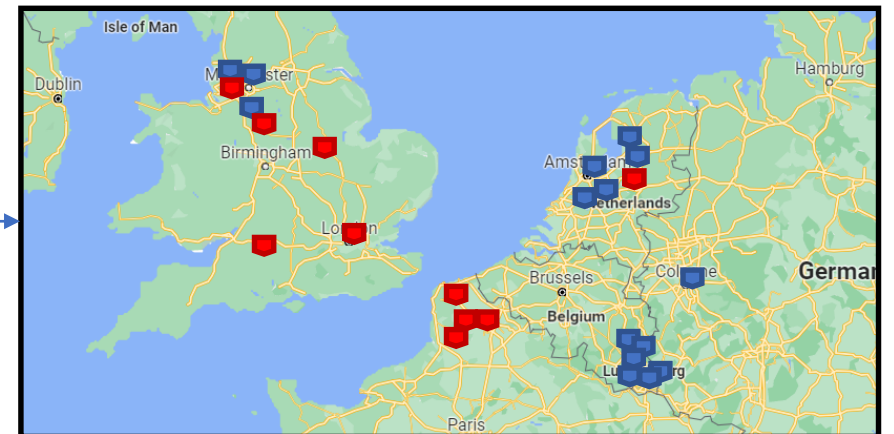

CYBERLUX

Ecosystem D

Ecosystem A

Ecosystem B

Ecosystem C

Unified app

Example of research over the whole network

Search

I want news dealing with GDPR

143 results found

Example of representation of the ecosystems

Use cases

Use case 1: Synchronization of a event

1 Organization A publishes an event about cybersecurity

2 Organization B is interested by the event and synchronize its metadata

3 Organization B has the reference on its website and redirect to the original publisher

Organization A

News

Organization B

News
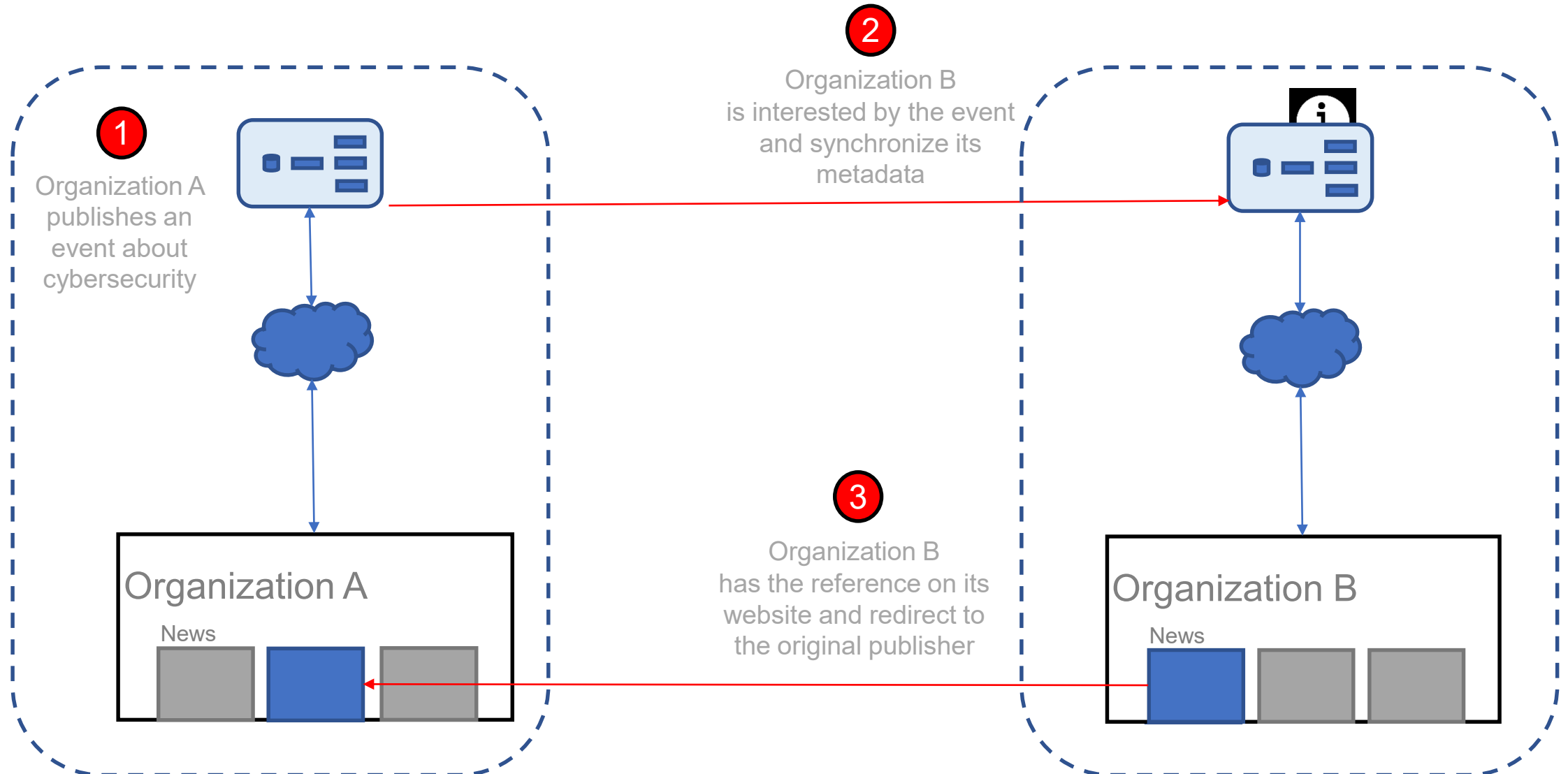
Use case 2: Project initiation
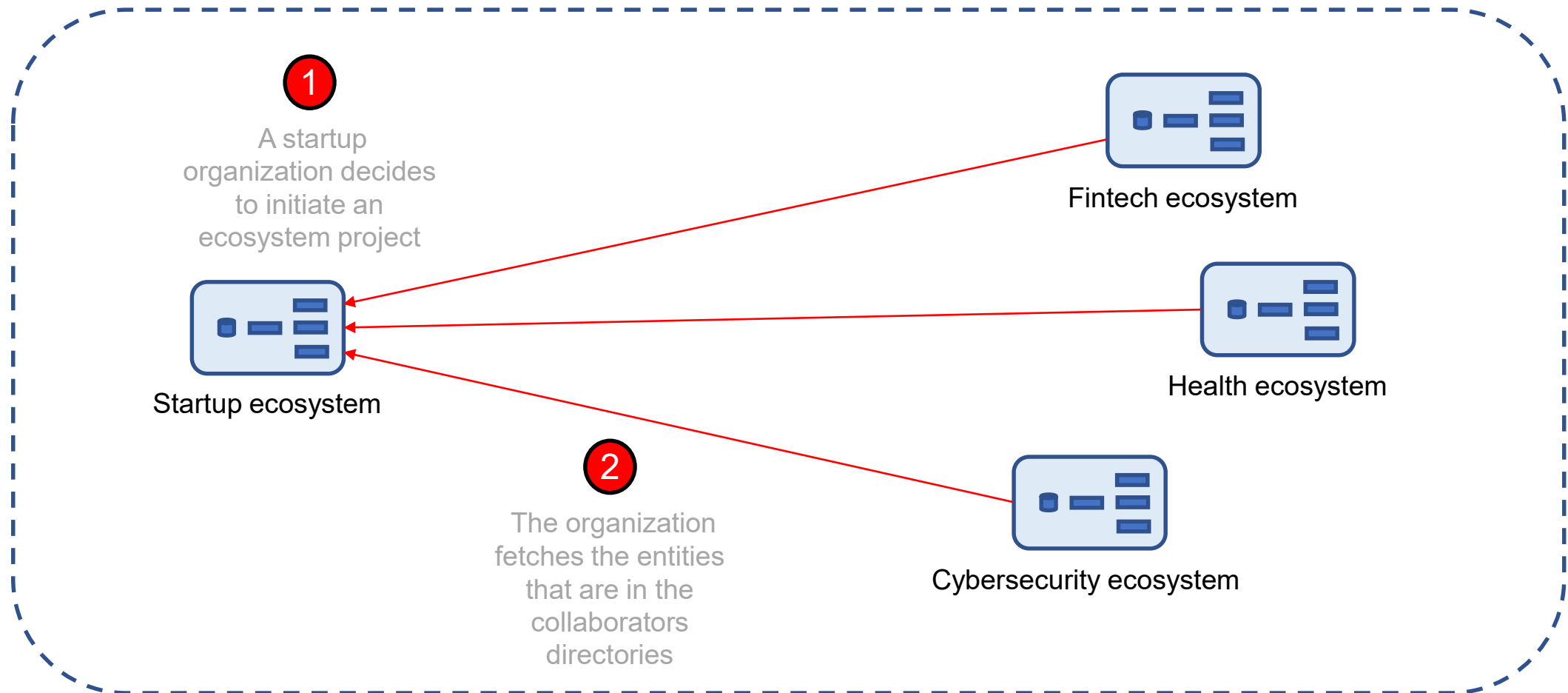
Pros of collaboration

Pros of collaboration

✓ **Build an effective open-source solution**

    ✓ Unify IT development workforce

    ✓ Share ideas of development

    ✓ Keep it free and accessible by any tier

✓ **Build an constructive community**

    ✓ Standardize data format

    ✓ Share data (entities, articles, taxonomies, …)

    ✓ Promote each other

✓ **Passively help and support new initiatives**

openXeco

Open Exchange for Ecosystems
https://openxeco.org/

END

Thanks for attention!

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