

Catena-X 101 - the fundamental building blocks of a live data space

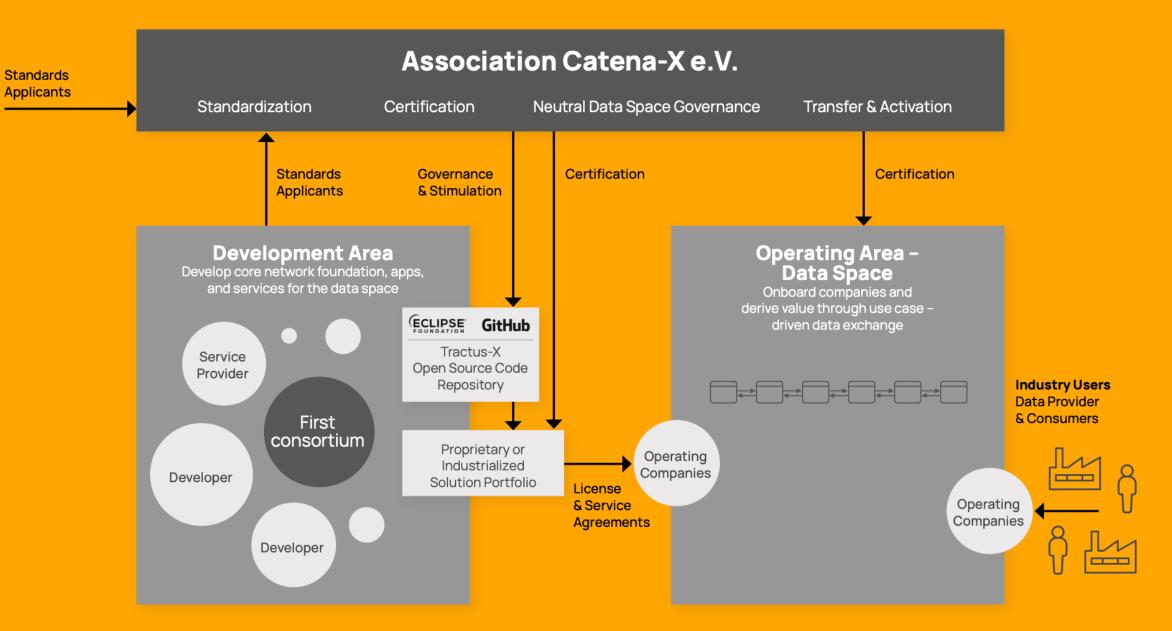
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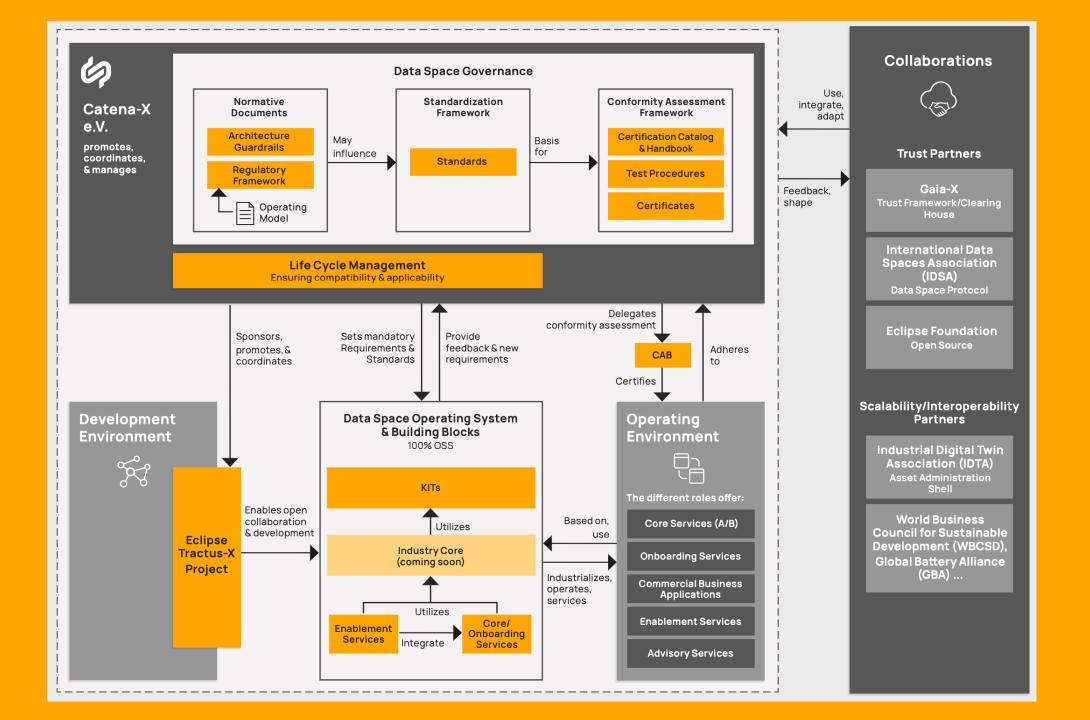


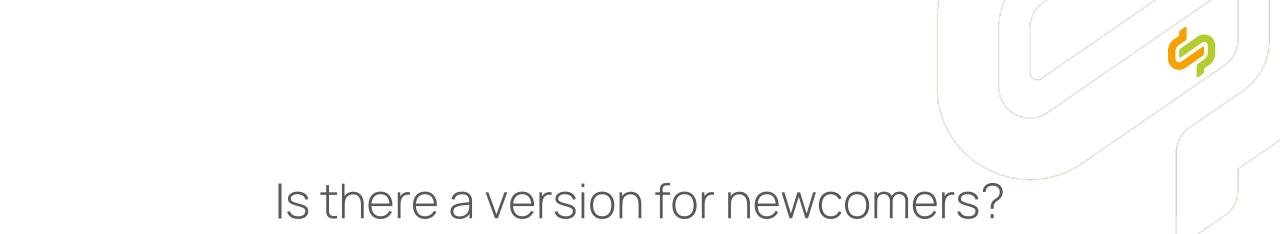
## What are conceptual foundations of a live data space?





What's required to operate them?





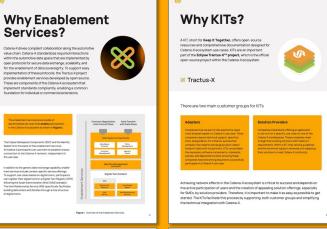


# Catena-X

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"showing the most basic knowledge about a subject"

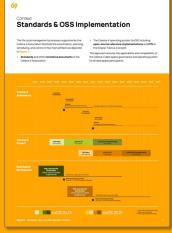














Example 1

KITs 101

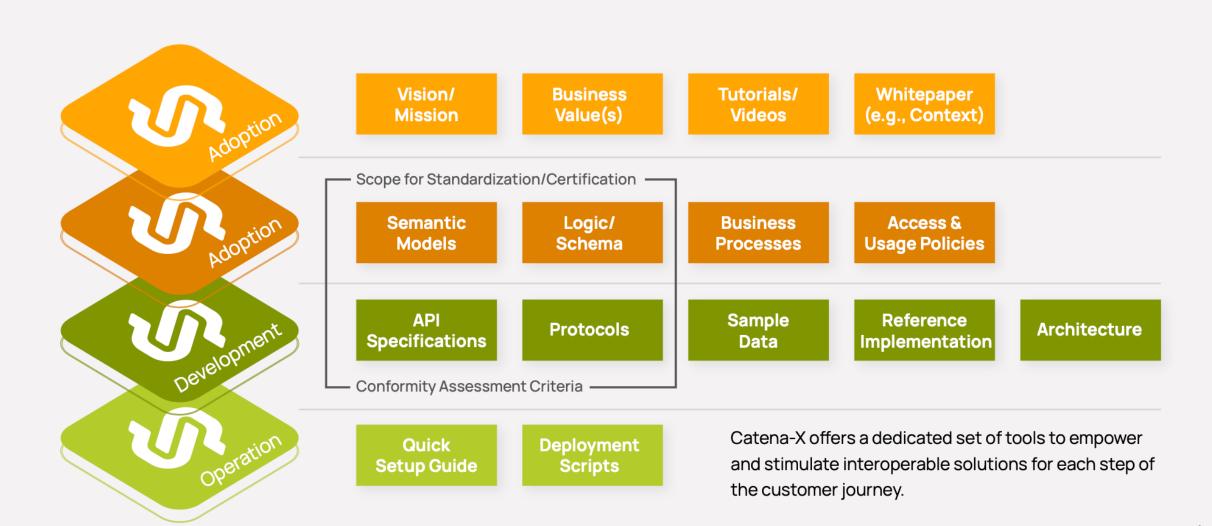
## Why KITs?

To build an ecosystem of interoperable business applications, Catena-X consolidates all essential code and non-code artefacts for a use case into a KIT (Keep It Together). This comprises standards, open source developer resources and technical documentation that ensure Catena-X principles such as trust, sovereignty, and interoperability. The KIT structure is standardized to accelerate the adoption by solution providers.



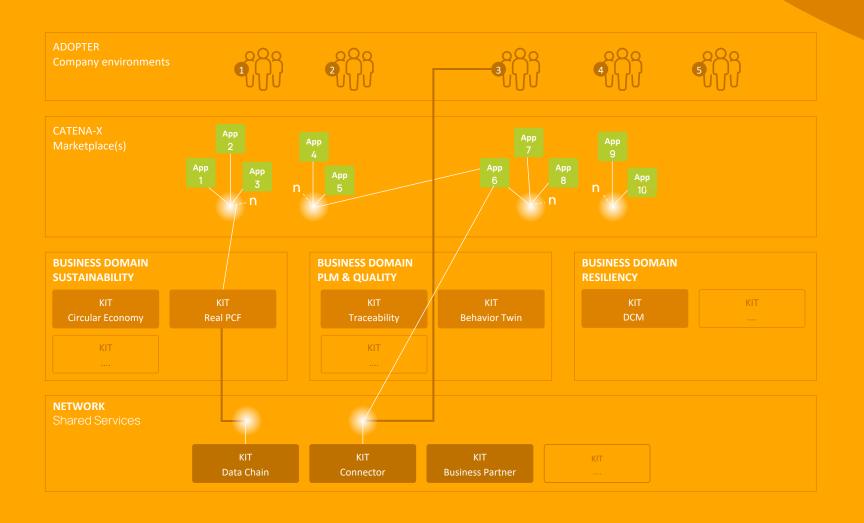


#### **Our KITs Toolbox**





#### KITs in action





#### Example 2

## Data Space Governance 101

## Why Data Space Governance?



Providing a reliable, trustworthy, and transparent ecosystem is at the very heart of the Catena-X value proposition, because trust is the foundation of any successful supply chain collaboration. Secondly, stipulating scalability within Catena-X and outside of its own data space boundaries is our goal. Scalability attracts further participants and drives adoption of Catena-X way beyond its original scope. The Catena-X data space governance manifests these declared goals via strategic partnerships with neutral, independent partners.

To ensure that these fundamental principles are adhered to, the Catena-X initiative works with independent governance units:

- Identity: Gaia-X partnership for establishment of an overarching Trust Framework.
- Data Exchange: International Data Space Association (IDSA) partnership for industry-agnostic foundation of sovereign data exchange.
- Development: Eclipse Foundation partnership for proven software development processes, best practices, and management of repositories in open source.
- Industry-specific logic: Catena-X Association partnership for driving standards on common business needs of the automotive industry.



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#### Example 3

### Enablement Services 101

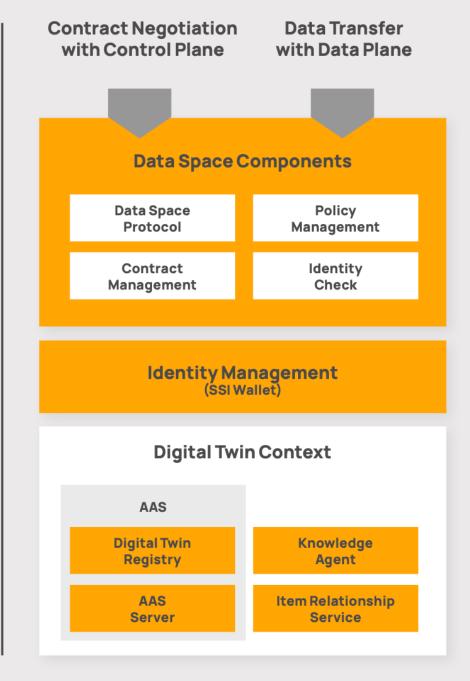
## Why Enablement Services?

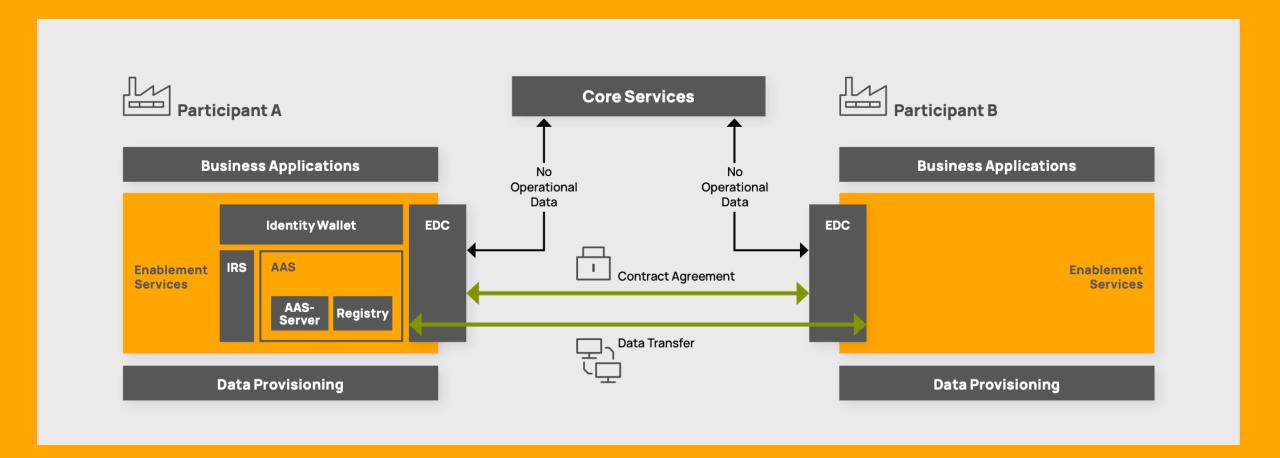
To access a data space like Catena-X, a participant needs standardized connectivity method to ensure interoperability, trust and a compliant usage of common interaction patterns. Therefore the Enablement Services combine the three aspects of Identity Management, Data Exchange via a Connector and access to compatible Digital Twins. These Enablement Services need to be deployed decentrally under the responsibility of each participant and are ensuring harmonized connectivity, trusted identity, and a common language on business



**Enablement Services** 

The enablement services are a bundle of decentralized services that **enable** participation in the Catena-X ecosystem as shown in **Figure 1**.





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