



**Data  
Spaces**

truzt



# Cloud – State of the Art?

Companies can't afford not to use cloud services

According to a recent KPMG survey, three out of four companies use cloud services. So using the cloud is IN. But there are very different kinds of cloud. Public, private or hybrid cloud? Internet providers or smart phone vendors like to offer their customers a package that includes a free cloud solution. That way you can lose track very quickly as to which kind of cloud you're in and what kind of billing model would suit you best. Hybrid cloud models are the best option – a flexible, agile and secure operating mode – but then customers don't have the necessary know-how for the complex requirements that come with them. In the end you're increasingly under pressure to go to one of the hyperscalers. So cloud is certainly in – but it is also very much out. What to do?



# Cloud is out!

let's gaze at the stars together ...

Cloud ist OK, but it obscures your view of the cosmos.  
Utilize the cosmos to build your own constellations in  
the data spaces. truzzt clears your view of the stars.

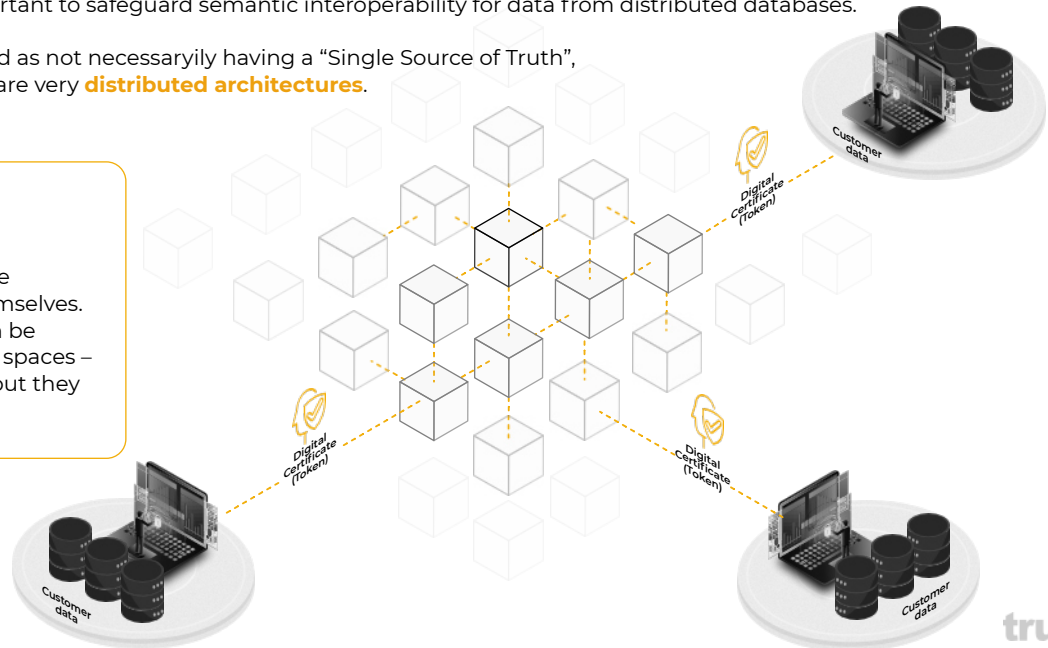
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# What are Data Spaces?

1. Data Spaces aim for **virtual integration** of physically dispersed data. Basically the data are left where they are generated and managed.
2. There is no overarching databank design, and therefore no design integration. According to the **data spaces integration concept** the only integration is done on the semantic level. That's why vocabularies are important to safeguard semantic interoperability for data from distributed databases.
3. Data Spaces is defined as not necessarily having a "Single Source of Truth", because data spaces are very **distributed architectures**.



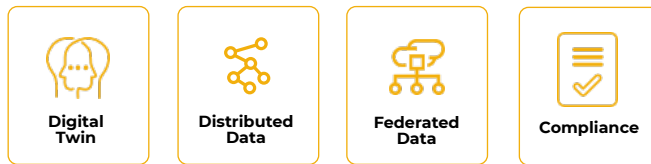
4. Data spaces can be nested within themselves. Nested spaces can be created from data spaces – they can overlap, but they never are disjoint.



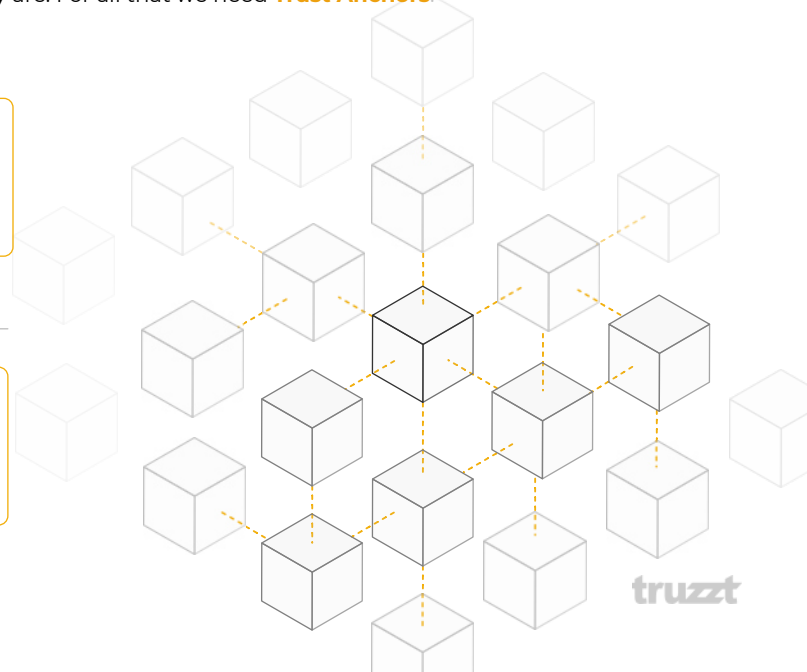
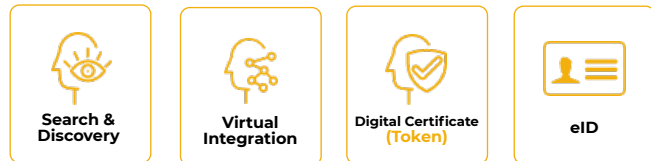
# truzzted Data Spaces

The concept of **Data Sovereignty** as well as **Data Traceability** – as a data originator I want to make sure that I can determine who can do what with my data in a given data space, and who will not be given access to my data, and what the terms and conditions are. I also want transparency about what's happening to my data when I share them – so I want traceability.

From the data recipient's point of view – they would also like to be able to trust that the actor they meet in such a data space or ecosystem is really who they say they are. For all that we need **Trust Anchors**.



## Features







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# Where to find us



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Interaction  
Sovereignty



GAIA-X

Policy Concept



Infrastructure



MOBILITY

HEALTH CARE

F&B AGRICULTURAL

SMART CITIES

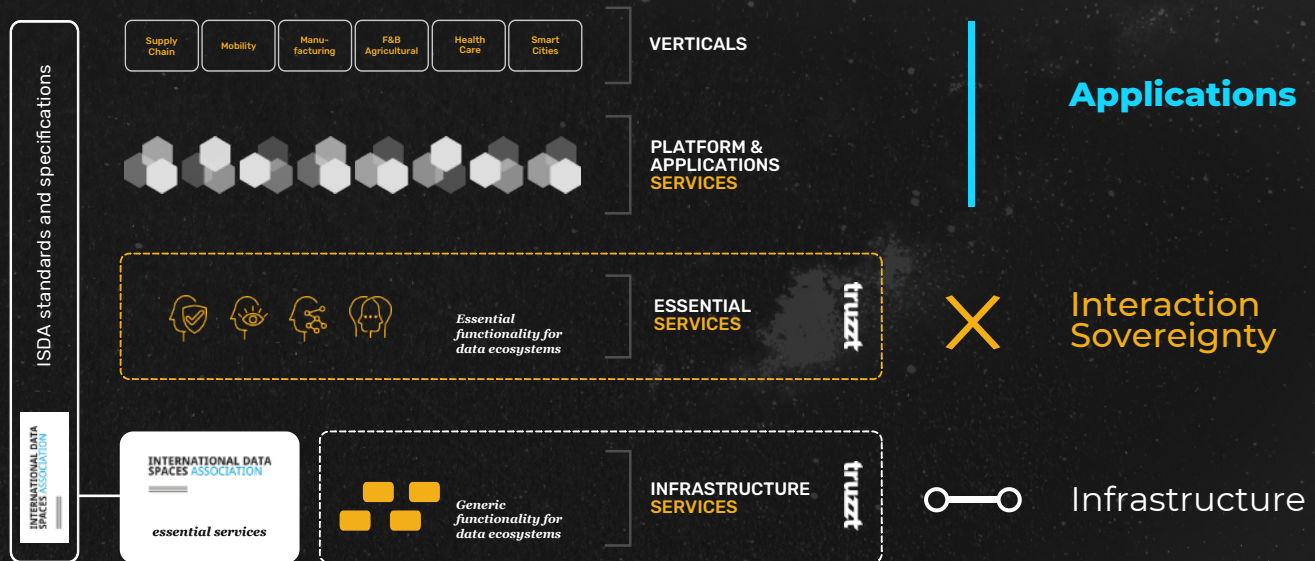
SUPPLY CHAIN

MANUFACTURING

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# Interaction Sovereignty





# truzzt box services



**truzzt connectors** – hardware and software solutions for linking proprietary / external data pools



**Clearing** – monitoring of all data flows including transaction tracking and securing compliance on all levels (e.g. GDPR)



**Search & discovery** – interpretation and standardization of data for accurate mapping, data enhancement and operating data platforms



**Knowledge** – optimizing data management and monetizing for all participants



**Value exchange** – monetizing data flows



**Marketplace** – The Marketplace is assumed to be a logical extension of the Broker concept serving the mediation of Digital Resources by means of shared metadata descriptions.

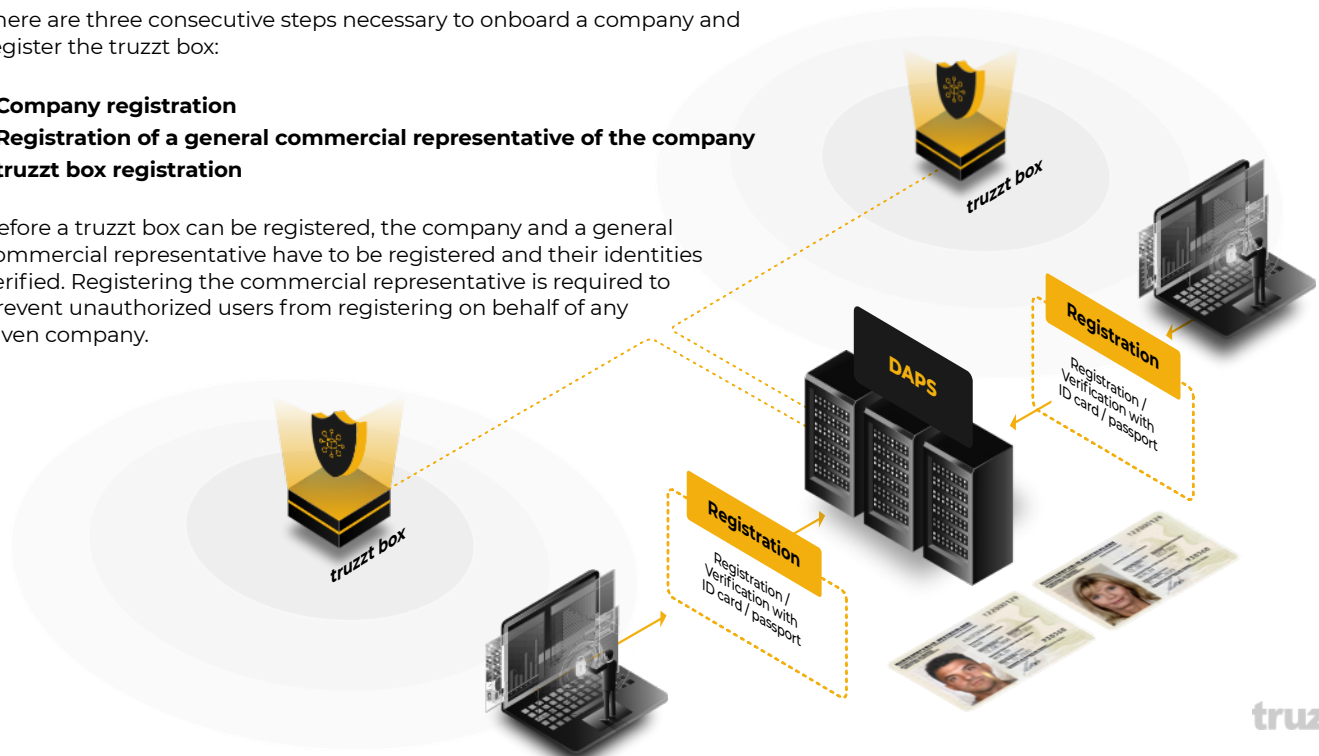
# 1. Onboarding

## Onboarding and Authenticating the truzzt box

There are three consecutive steps necessary to onboard a company and register the truzzt box:

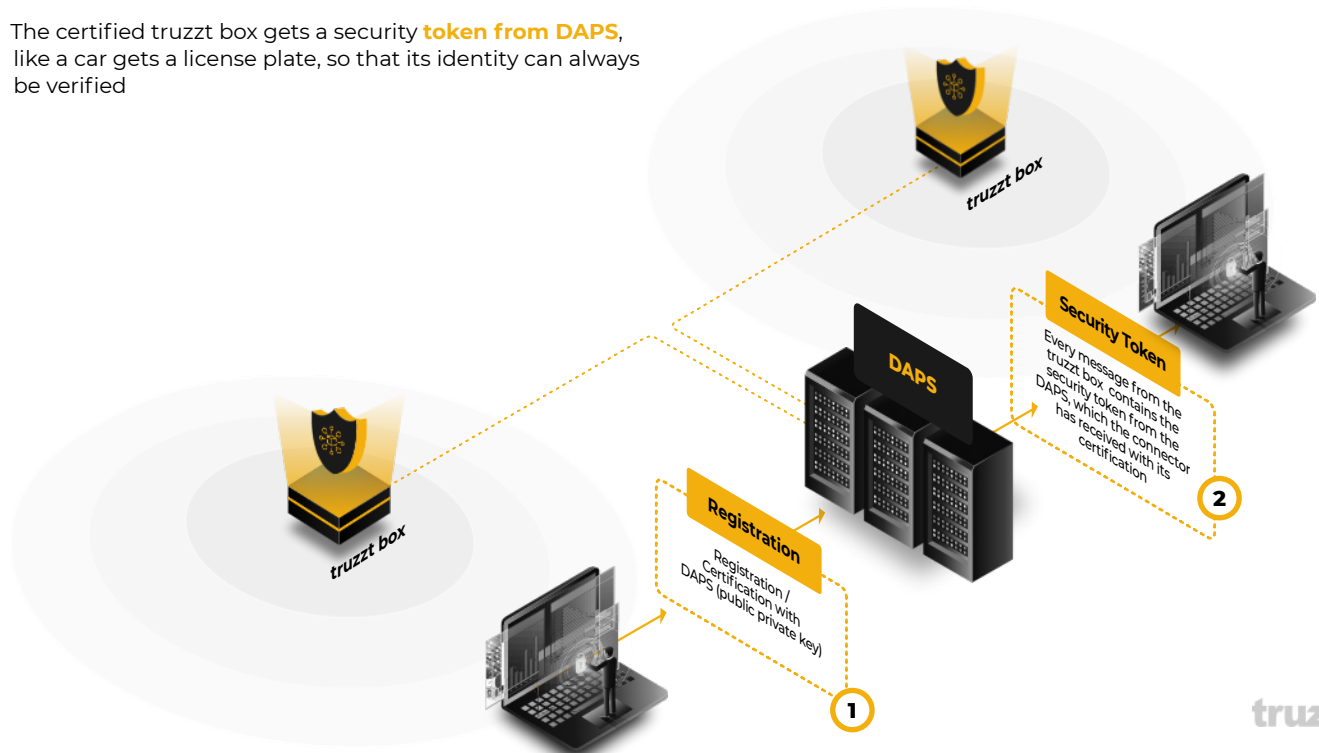
- **Company registration**
- **Registration of a general commercial representative of the company**
- **truzzt box registration**

Before a truzzt box can be registered, the company and a general commercial representative have to be registered and their identities verified. Registering the commercial representative is required to prevent unauthorized users from registering on behalf of any given company.



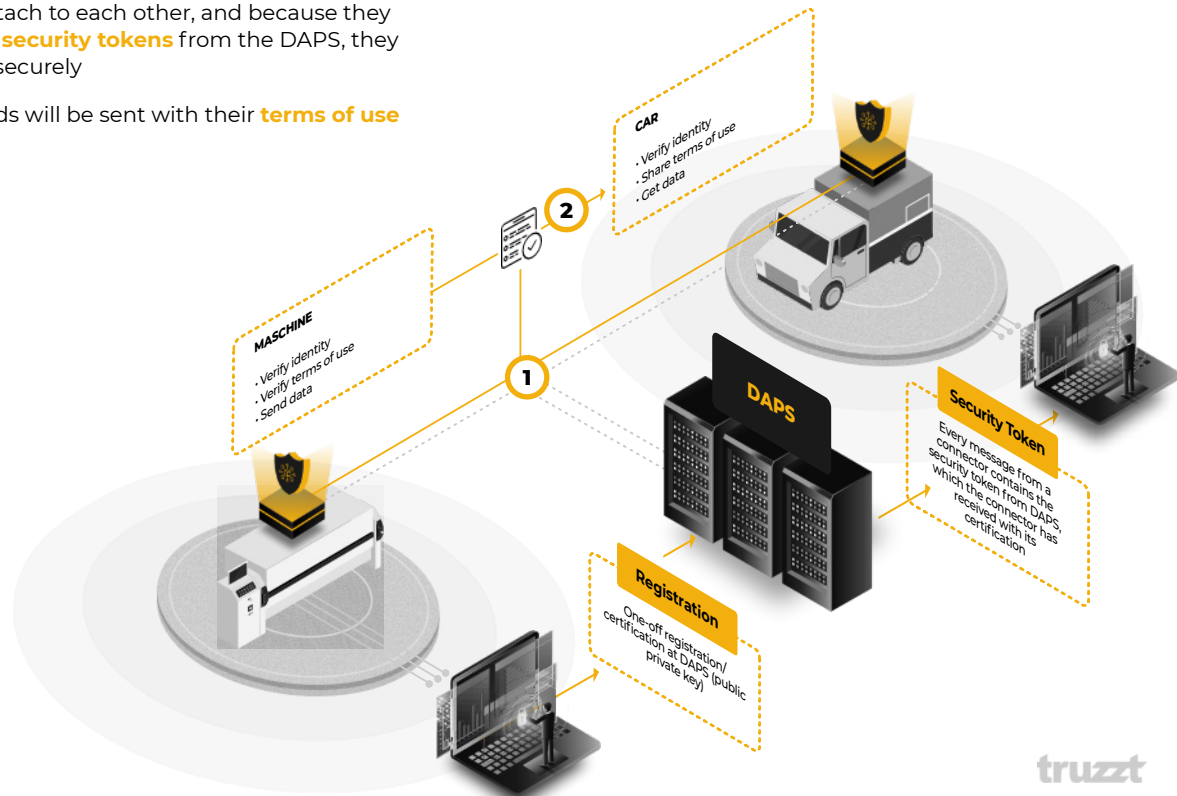
## 2. Connecting truzzt boxes

1. The truzzt box has to register with DAPS and will be **certified** with a public key
2. The certified truzzt box gets a security **token from DAPS**, like a car gets a license plate, so that its identity can always be verified



# 3. Attaching Terms and Conditions

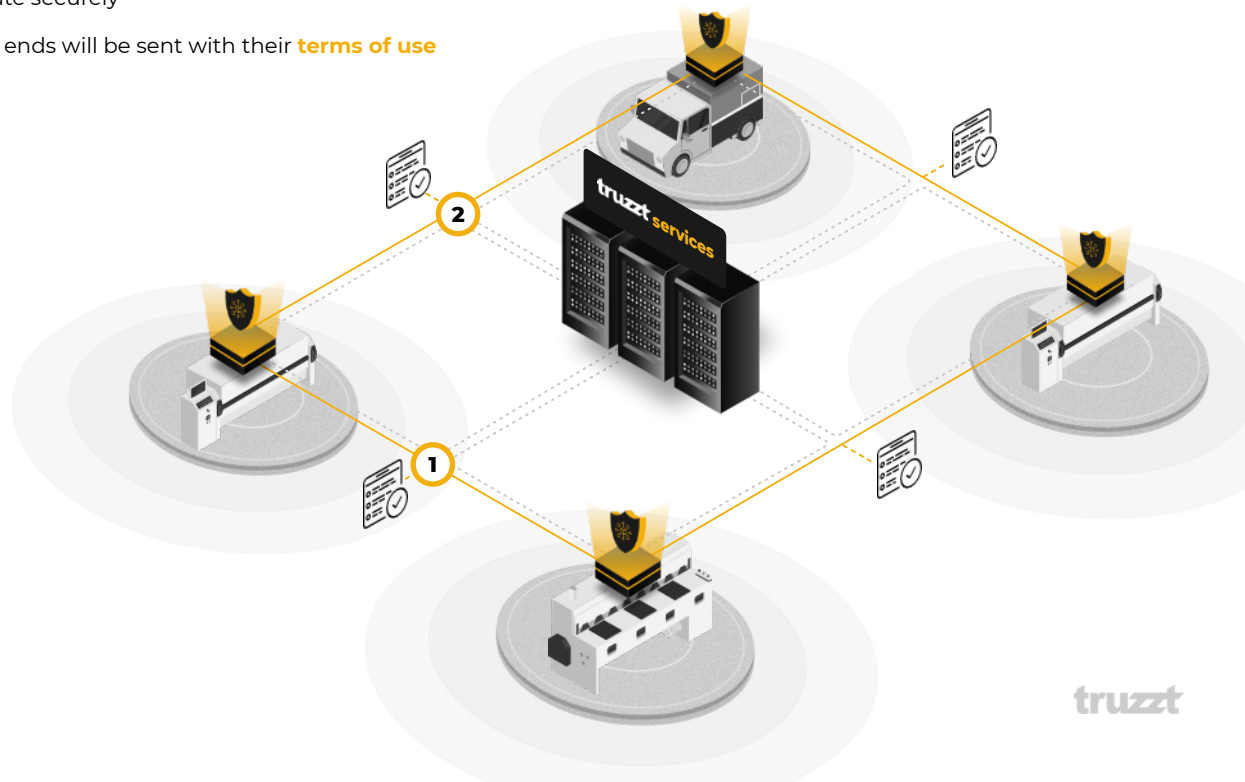
1. Two truzzt boxes attach to each other, and because they both have received **security tokens** from the DAPS, they can communicate securely
2. Data from both ends will be sent with their **terms of use** attached





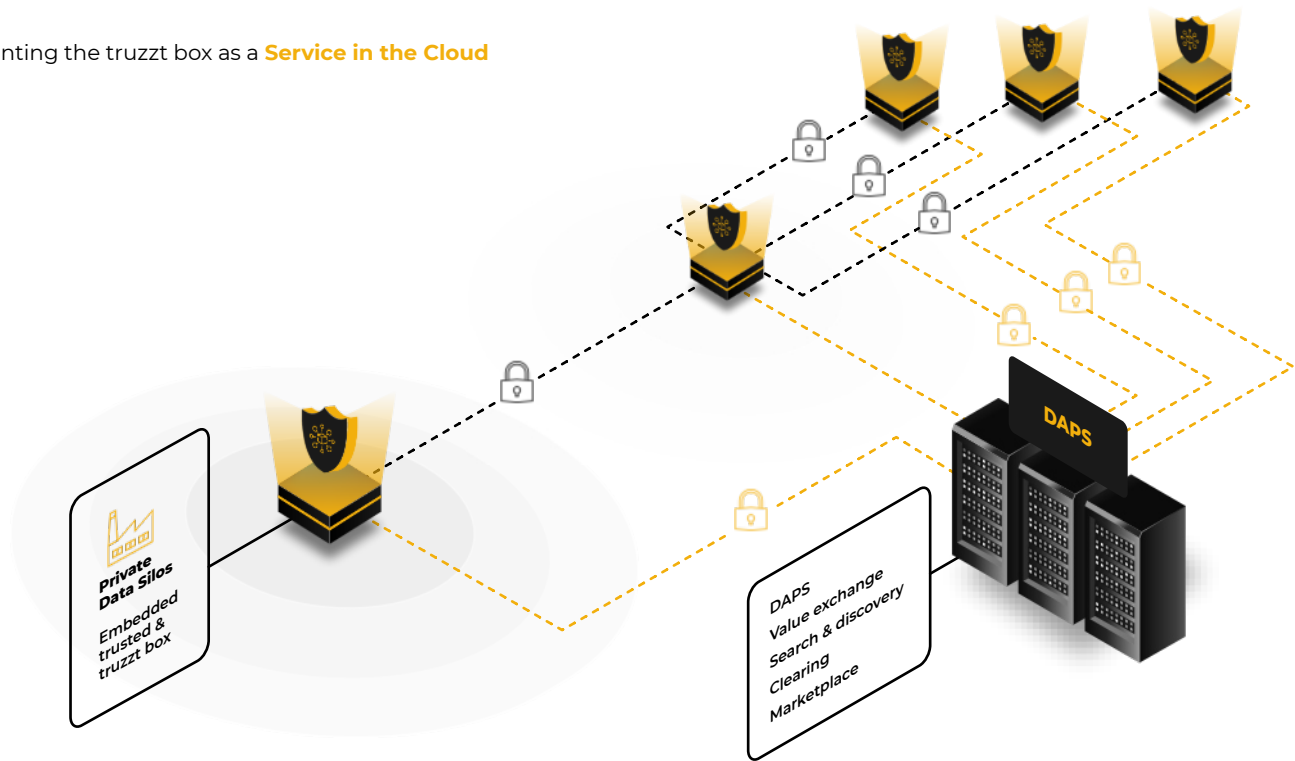
## 4. Connecting several truzzt boxes

1. Several truzzt boxes attach to each other, and because they both have received **security tokens** from the DAPS, they can communicate securely
2. Data from both ends will be sent with their **terms of use** attached



# 5. truzzt box as a service

Renting the truzzt box as a **Service in the Cloud**





# 6. truzzt box services



Connectors



Clearing



Knowledge



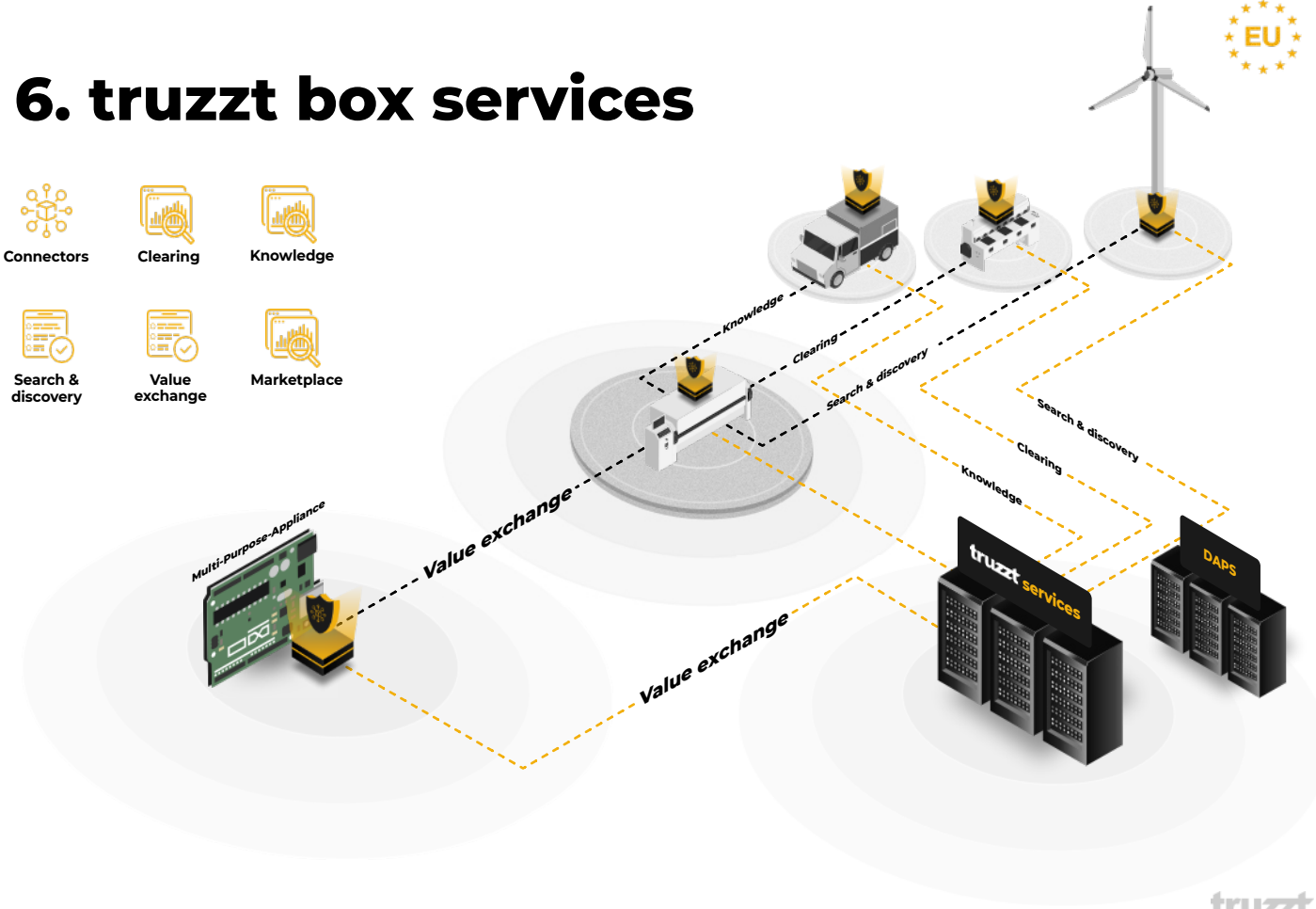
Search & discovery



Value exchange



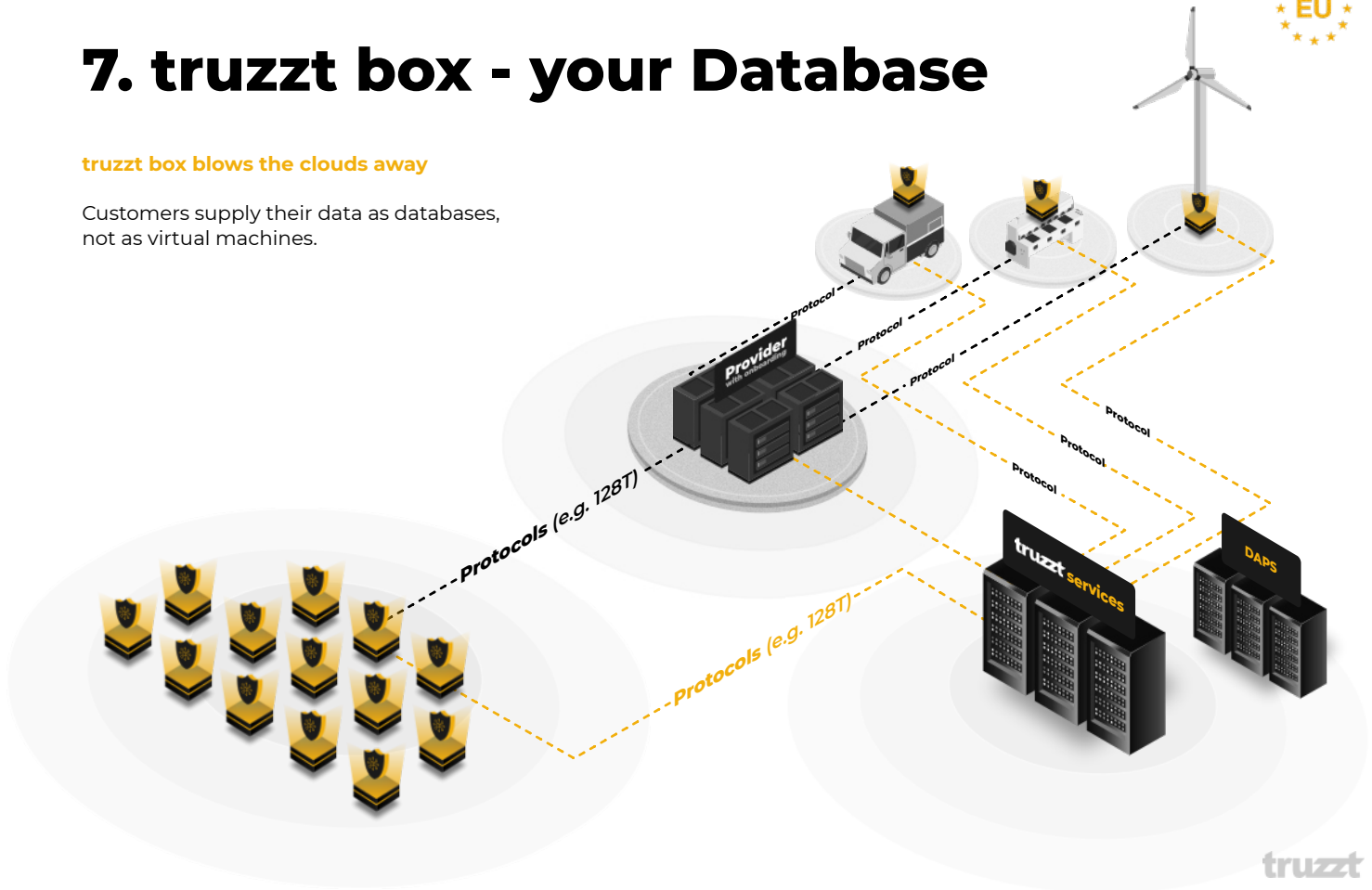
Marketplace



# 7. truzzt box - your Database

## truzzt box blows the clouds away

Customers supply their data as databases, not as virtual machines.

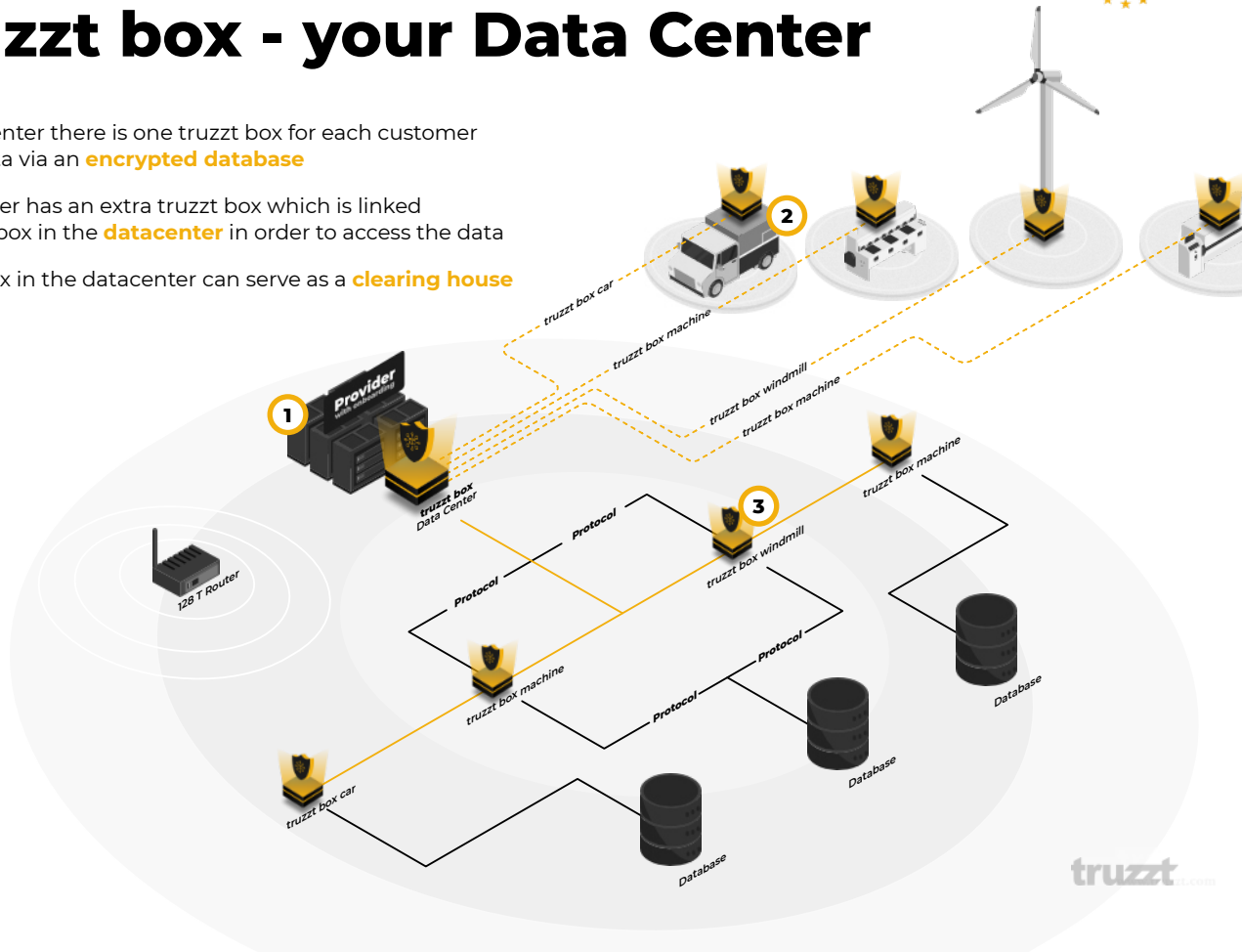






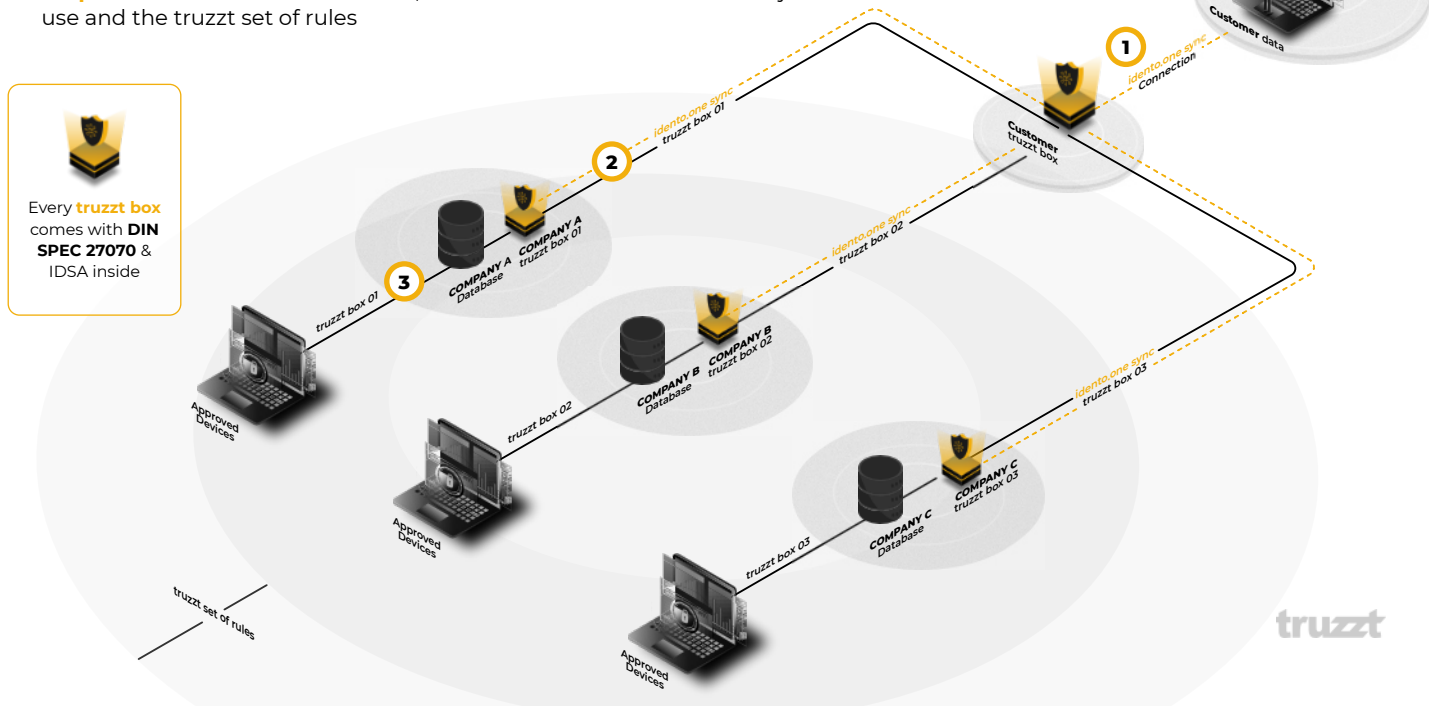
# 9. truzzt box - your Data Center

1. In the data center there is one truzzt box for each customer providing data via an **encrypted database**
2. Each customer has an extra truzzt box which is linked to the truzzt box in the **datacenter** in order to access the data
3. The truzzt box in the datacenter can serve as a **clearing house**



# 9. The truzzt box Connection

- Customer data:** Data will only be made available to companies if they have been released by a verified customer
- Usage data:** Verified data changes (e.g. address changes) are synchronized in the Customer truzzt box with their terms of use, and then put into a tamper-proof log
- Corporate customer data:** Verified, released and shared data are subject to both the customer's terms of use and the truzzt set of rules





# Start now!

When can we transfer your data to the cosmos of data spaces?  
Contact us:

[info@truzzt.com](mailto:info@truzzt.com)

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# Be a first mover!

Join ODSS, the truzzt community of interest, and connect with interesting business partners.

[info@truzzt.com](mailto:info@truzzt.com)

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# Be a pilot!

We are keenly interested in pilot projects -  
register with us and introduce your project.

[info@truzzt.com](mailto:info@truzzt.com)

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GDPR-compliant - data sovereignty made easy and secure.

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