



Second

ECLIPSE TRACTUS-X COMMUNITY DAYS

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STUTTGART



ARENA2036

SUPPORTED BY:

Cofinity-X

polygran

 **smartSense**
Consulting Solutions Pvt. Ltd.

IDTA



„Dataspace Connectivity“ Workshop

First and secand day

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What are the major goals?



Try & Error -> gain knowledge

Try to complete the challenges and gain new knowledge. Approach the topic in a playful way.

Let's share ideas and expertise!

Provide feedback, ask the coaches



Help each other

We are people of different knowledge and experience, but we all are interested in tractus-x and the community and the related products.

We share the same interests.



Have fun / network

We are a big community / network. Maybe you know a lot of the people from video calls ... face to face is much better ;)

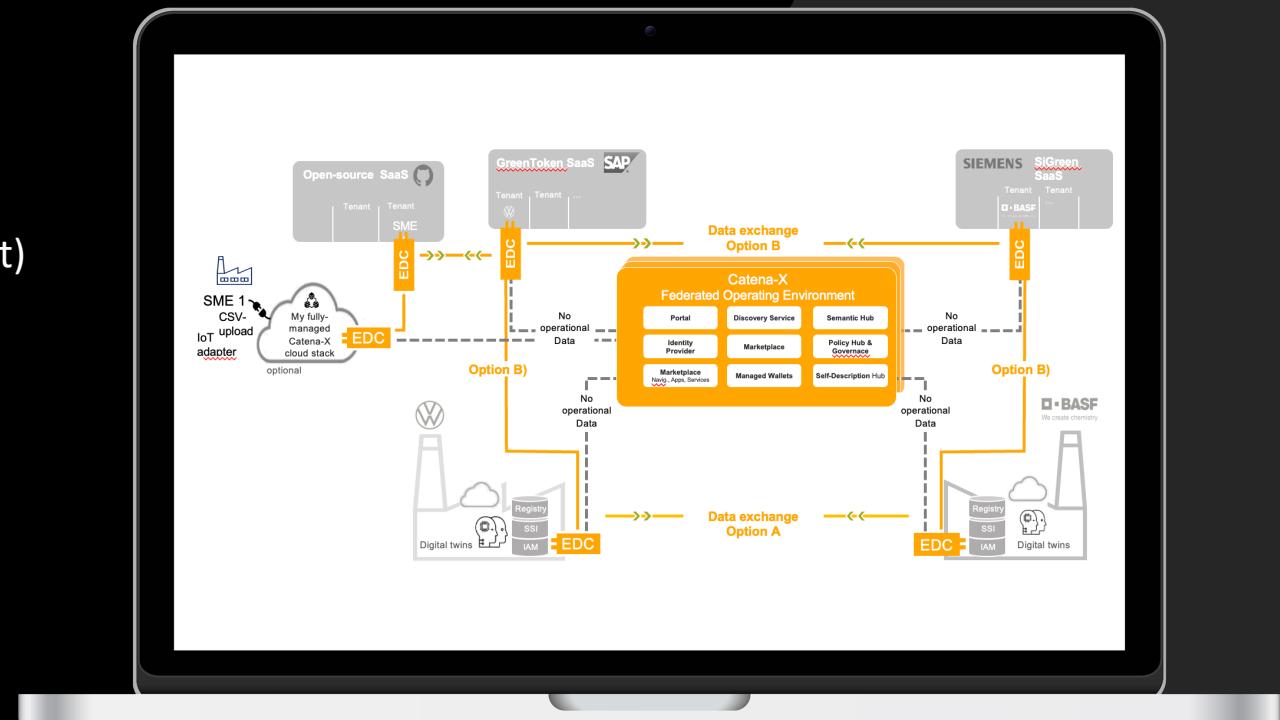
Collaborate & create partnerships!



Architecture

The **Umbrella Helm Charts** provide the following services (some are initially disabled) :

- Three already registered EDCs:
 - Alice (Dataconsumer-1)
 - Bob (Dataprovider)
 - Trudy (Dataconsumer-2 deactivated by default)
- Keycloak
- Managed Identity Wallet (MIW)
- The needed databases
- vaults
- Portal
- Digital Twin Registry (DTR)
- DiscoveryServices
- ...





General Hints for today

If you are using the user accounts on the VMs provided by ARENA2036, please be aware of that you are working in a multi-user environment

Your minikube cluster will not be the only one, running in your VM, therefore :

- Use specific names for your cluster profile and namespaces for helm
 - Proposed name for the cluster: “minikube-\$USER”
 - Proposed name for the namespace: “umbrella-\$USER”
- Ensure you are using the option –p, everytime you calling minikube
`minikube –p minikube-$USER ...`
- Ensure you are using the option –n, everytime you calling helm
`helm ... –n umbrella-$USER`

Before you enable ingress enter:

```
minikube profile minikube-$USER
```

Documentation:

- [Tractus-X specific Tutorial](#)
- [README for Umbrella Helm Charts on Tractus X](#)



Challenge 1

“Your own Dataspace”

Try to setup your own local dataspace and learn how the communication/transfer between two EDCs works. The Challenge is along the provided “E2E adopter journey tutorial and its deployment with Umbrella Helm Charts”

Goals

- Getting familiar with Umbrella Helm Charts, kubernets and minikube and its dashboard
- Understanding the architecture
- Working with a local dataspace deployment
- Play around with assets, policies ...
- Communication between two (already registered EDCs)
- Providing feedback





Challenge 2

“Second data consumer”

Try to activate and deploy (locally) a second EDC and play with different assets and policies

Goals

- Further understand the power of helm charts
- Get to know the configuration parameters
- Play around with restricted assets, policies ...
- Use the [Policy playground](#) to generate different types of policies





Challenge 3

“Open challenge”

Try to activate the Portal, use different components

Goals

- Further understand the power of helm charts
- Get to know the configuration parameters
- For Experts (working on VM): Try to open the Portal – find out why its not working
 - Try to open the centrialidp and sharedidp via the hostname links by using the minikube dashboard or a local browser
 - Confirm the non secure access
 - Retry to open the portal
 - Try to open the keycloak and reconfigure the URL-Redirect





❖ Developer



Let's work
together
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