SECOND ECLIPSE TRACTUS-X COMMUNITY DAYS

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STUTTGART

SUPPORTED BY:

Cofinity-X  polygran  smartSense Consulting Solutions Pvt. Ltd  IDTA

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"Dataspace Connectivity" Workshop

First and second 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!

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.

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 ;)

Provide feedback, ask the coaches
We share the same interests.

Collaborate & create partnerships!
The Umbrella Helm Charts provide the following services (some are initially disabled):

- Three already registered EDCs:
  - Alice (Dataconsumer-1)
  - Bob (Dataprovier)
  - 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
  ```bash
  minikube --p minikube-$USER ...
  ```
- Ensure you are using the option –n, everytime you calling helm
  ```bash
  helm ... --n umbrella-$USER
  ```

Before you enable ingress enter:
```bash
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, kubernetes 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 centridip 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
Let's work together
tractus-x.com