TOKEN [WP1] Coordination

Meeting Information

Date of the Meeting:	Feb 09, 2022

Attendees

Name	Organization	Y/N
Juanjo Hierro	FIWARE Foundation	Y
Stefano De Panfilis	FIWARE Foundation	Y
Jorge Fernández	FundingBox Accelerator	Y
Lynda O'Mahony	FundingBox Accelerator	Y
Jesus Ruiz	FIWARE Foundation	Y
Kati Nikopensius	FundingBox	Y
Konstantinos Votls	CERTH/ITI	
Konstantinos Glykos	CERTH/ITI	Y
Tom Kettels	Infrachain	
Mats Brorsson	University of Luxembourg – SNT	Y
Juan Echevarría	Santander Municipality	
Joris Finck	IMEC	Y
Luis Muñoz	Unican	Y
Johnny Choque	Unican	Y
Laura Rodríguez de Lope	Unican	Y
Benjamin Hodzic	InfrChain	Y

Agenda

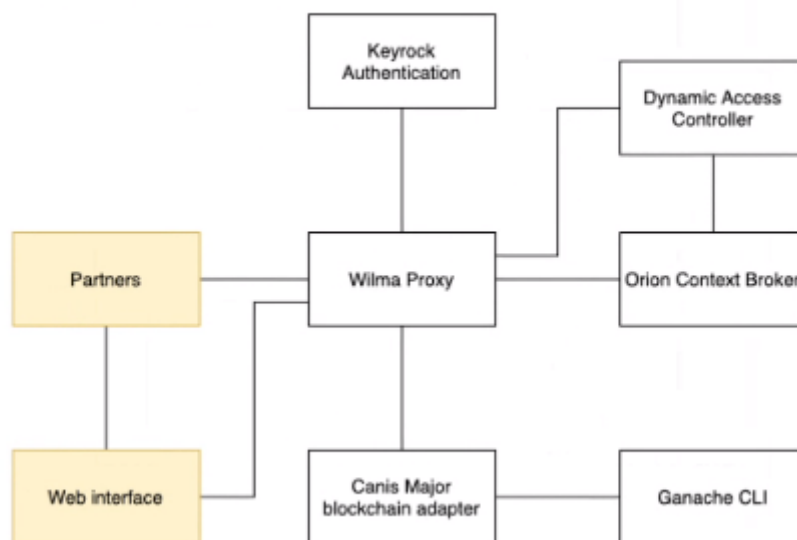| #	Item
1	Status of Canis Major development by the PUCs 3 and 4
2	Token Platform Integration with Canis Major

Status of Canis Major development by the PUCs

1. PUC3. Last Mile Logistics (IMEC)

Imec provided a summary of their use case.

- Public blockchains are not recommended for public administrations.
  The ultimate goal is to integrate with EBSI and canis major is designed to integrate with EBSI when it (EBSI) is in place.
- There is also a testing environment based on the Alastria network. FIWARE has an Alastria node, so we could use that. Integration of Canis Major will already be in place.
- PUC 3 has been using Ganache which is a test environment based on ethereum.
- Daniel Du Seuil is the Belgian representative of EBSI for Belgium.
- All PUCs should be connected to EBSI when it is ready and in the meantime, can use a blockchain which is aligned with Alastria. This is what was agreed as part of the project.

- The testing environment is already in place with Alastria. This is easier than trying to connect to a public ethereum.
- Alastria network is based on Hyperledger Besu. It's a real production network.
    1. For a real production setting the recommended thing is to deploy your own node.
    2. You could have a shared node.
    3. FIWARE provide the node and they provide the end point of Canis major which they need to use and this would be enough to use Alastria.

- FIWARE to explain to IMEC on how to connect to the node and provide the details for setting up the environment.
- Imec: There should not be too much traffic at the beginning of the project.

CONTACTs in IMEC: @jesus, please contact Alper (alper.basak@imec.be) & Pieter-Jan (pieter-jan.vandenberghe@imec.be) and (joris.finck@imec.be)
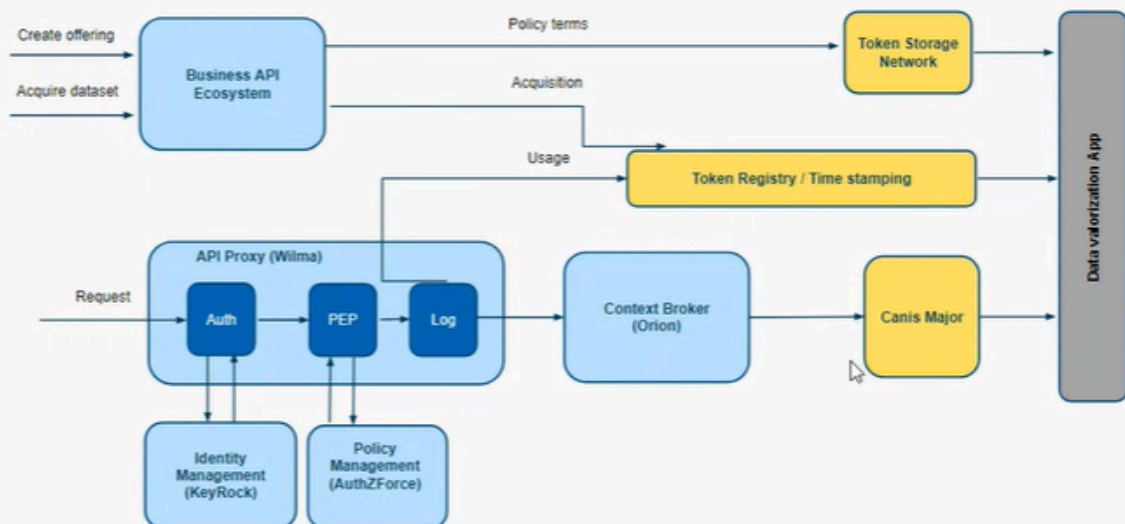
Action: Meeting to be set up this week between IMEC and Jesus Ruiz (FIWARE)..

- **Identities:** Phase 1 could be non decentralized identities and phase 2 could be decentralized. IMEC use case is a good one to use the verified credentials model.

- These use cases (Santander and IMEC) may be connected to Dataspaces but this will be discussed at the project check meeting in March.

2. PUC4 City of Santander (Data marketplace)

Laura provided a summary of the use case and the status of the canis major integration

- Any request which goes through Wilma can be notarized. For example, if someone made a request for Data.
- Canis major is not subscribing to the context broker. Can be any proxy of the restful API.
- Wilma needs to send a request to the canis major and canis major sends this information to the blockchain.
- If you are on the side of the proxy, you know the identity of the caller. You can then register who accessed what and when.
- How fast is canis major performing the transactions?: It's limited by the speed of the blockchain. It can handle different transactions in parallel.
- The usage of the context broker can be notarized by the canis major.

Action: *Laura to set up a meeting with Jesus to start setting up the testing environment.*

- There is a delay with the implementation of the marketplace.
- Token registry time stamping can be used for registering acquisitions (not needed for the usage).

Action: Jorge to set up a call with Jesus regarding whether the Token Timestamping service can be based on the FIWARE node and using Alastria.

Integration of Canis Major with Token platform

- You would need to set up particular customer applications to create instances
- There is a Token container you can deploy.
- All the instances of canis major are connected to the same blockchain node.

Action: Jorge will start exploring.