Managed Wallets

CX Core ART

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1 Interface / API / Service Summary

Wallets are **the touchpoint of company/participant to SSI as the digital identity**. Companies can interact with other actors in the network using their own identity on their wallet.

Since SSI Wallets are not yet common on company level, Catena-X decided to create CX managed wallets for membership companies. This wallets can be used to enable the benefits of SSI for a number of services.

The Portal / Managed Service connection is implemented in 2 functions

1. Company Registration - initial wallet creation
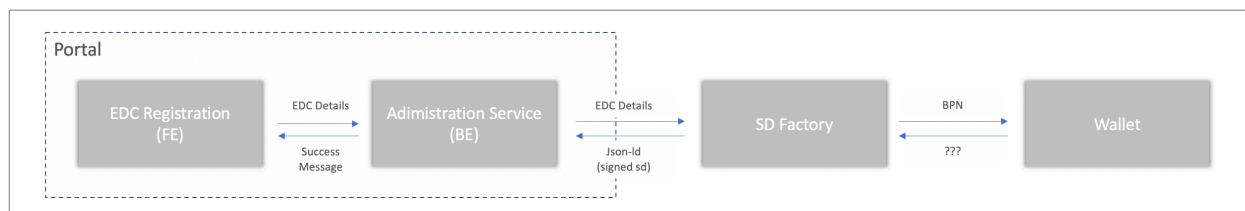2. EDC Registration - EDC Self-Description creation

2 Architecture Overview

2.1 #1 Company Registration - initial wallet creation
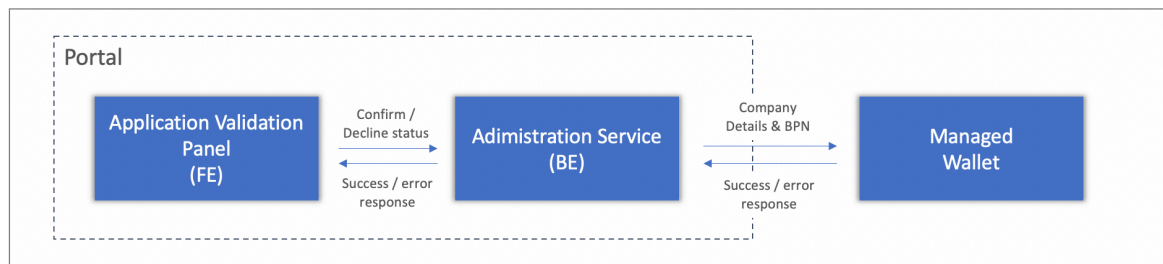
2.2 #2 EDC Registration - EDC Self-Description creation
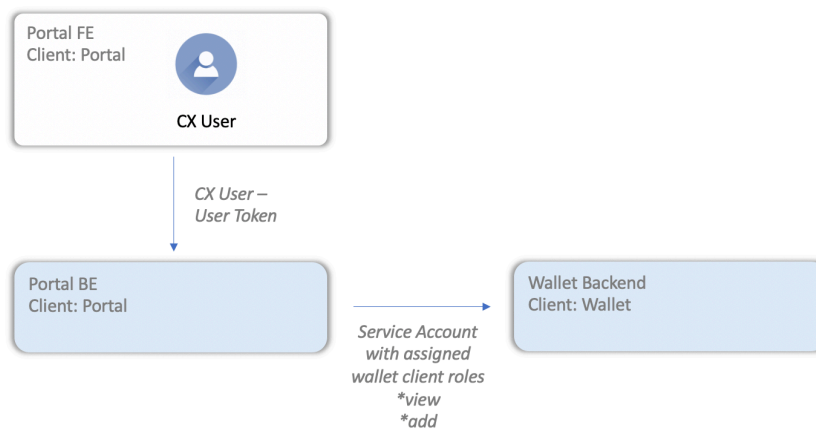
(not focused in this page, if details are required, please open the interface spec of the sd service => Self Description Interface)

* connection via the SD Factory (business logic layer)

3 Authentication Flow / Details

User Authentication - Wallet

Portal FE
Client: Portal

CX User

CX User –
User Token

Portal BE
Client: Portal

Wallet Backend
Client: Wallet

Service Account
with assigned
wallet client roles
*view
*add

➢ Clients are holding the user permissions/roles
➢ User Accounts and Service Accounts are used for role assignment.

User: real user with FE user login flow

Service Account: technical user used for backend to backend connection only

The cross product connection between portal and wallet is running via the portal backend service. Inside the portal backend a number of jobs are triggered as well as the wallet creation. For the wallet creation we use the technical user which is a service specific user managed by the portal team

4 Description of the functional interface (WHAT)

Creation of a managed wallet for the newly registered legal person / company.

5 Description of the physical interfaces (HOW)

With the /approvalRequest api, the managed wallet logic is triggered to create for the new member (based on the bpn) a new managed wallet.

6 Change and Further Development of the Interface

n/a

7 Implementation Levels

n/a

8 Open Tasks:

n/a