

Mobility Service Commerce Process by GAIA-X 4 movelD

Note: Depicts state at end of movelD project and market entry phase.

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Role description



User triggers the service and technical underpinnings for delivery



Mobility Service Provider (e.g., mobix)



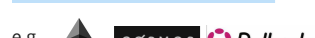
Decentralized mobility app store in which mobility services are registered and can be searched for by users



APCOA PARKING



Google pay for fiat, and a crypto exchange could be used for token purchase



Storing payment transactions and bookings in a digital ledger



Wallet holds digital identity and credentials (tickets) for service usage; The VDR stores DIDs, has revocation register for credentials, schemas for credentials

Roles

Service User
(e.g., Municipalities, Mobility Service Provider)

Mobility Service Provider
(e.g., mobix, City of Hamburg, peregrine)

Systems
Registry / Catalogue for Mobility Services

Mobility Infrastructure Provider (e.g., parking lot/charging)

Payment provider (Fiat/Tokens)

Transaction layer provider (Operator DLT Network)

Identity Provider (Operator SSI Network/ e.g., GLEIF, eIDAS TSPs)

Process steps

Example

Making the car and the user SSI compatible, equipping with wallet

Onboarding

Users make themselves SSI and GAIA X ready/the user downloads the App and the wallet

User finds p2p park and charge service

Discovery of Services

User has need for service and compares service offerings

User makes reservation for service usage

Booking

User selects service and books it (i.e., a time slot for designated usage)

User drives to parking lot and charges their car

Access Control

User drives to point of service delivery and consumes the service in the booked time slot

User pays for service usage and gets digital access ticket (VC)

Consumption

User consumes the service in the booked time slot

The service could either be pre-paid or be paid for in the moment

Payment

User initiates payment for the service

Handles the process of the customer receiving the receipt

Settlement

Get receipt for payment

