



OMS

MOBILITY AS A SERVICE - CONCEPTION OF A B2B & B2C REST API

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USER STORY: REBECCA'S TRIP



Issue Overview:
many mobility services on different portals

SOLUTION: IOTA AS OPEN MOBILITY MARKETPLACE



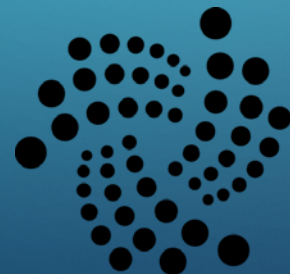
VOLOCOPTER



BAHN



LILIUM



IOTA

ISSUE BARRIER: NEW TECHNOLOGIES AS BOUNCER

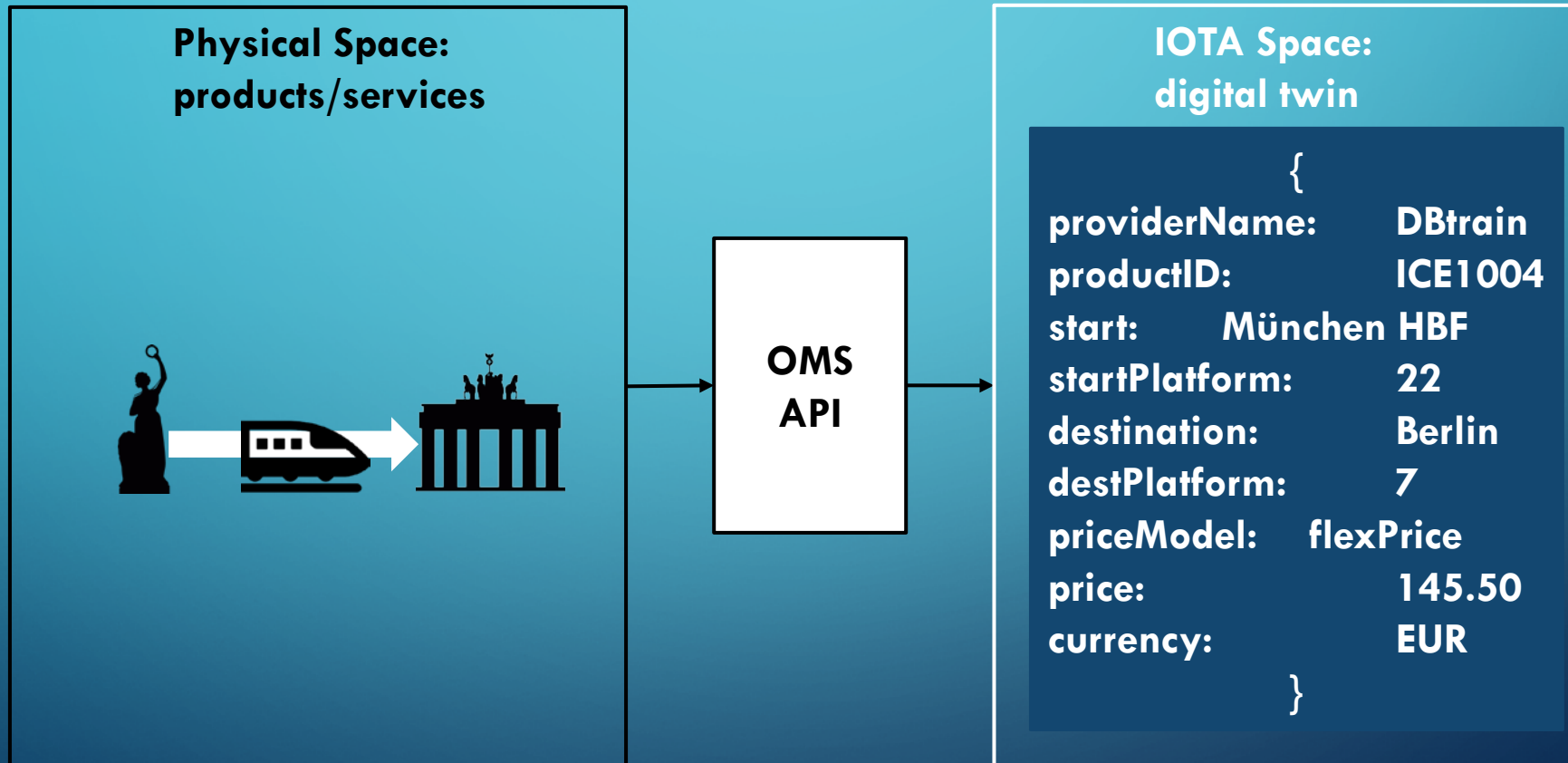
VOLOCOPTER



BAHN



SOLUTION (B2B): OMS-API FOR EASY ACCESS TO AN OPEN MARKETPLACE

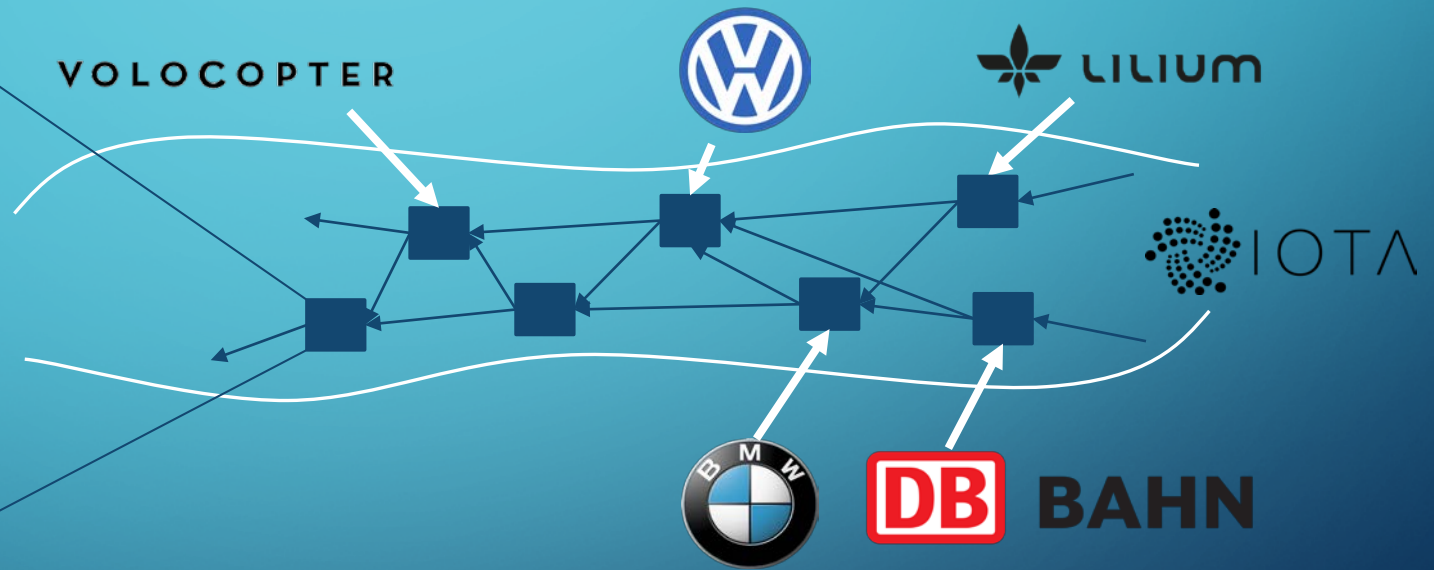


IOTA AS MOBILITY MARKETPLACE

OMS USE-CASE B2B: OFFERS

Payload = mobility offers:

- prodname:
- provider:
- CO²-LvL:
- price:
- etc. pp.



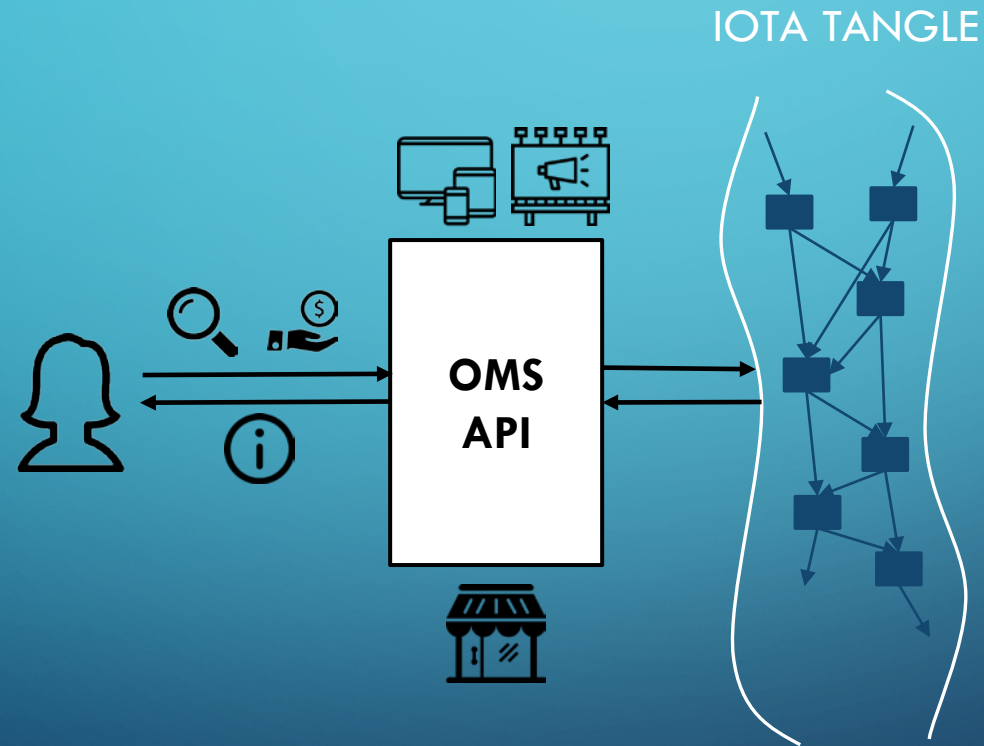
→ = OMS API

OMS USE-CASE B2B

OMS-API brings digital twins and transportation services to the tangle.

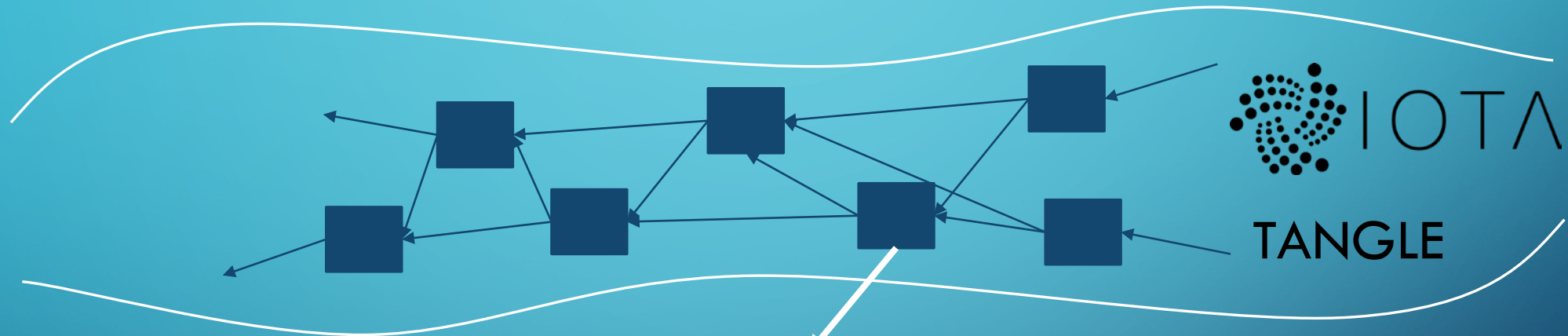
- REST APIs: 1
- IOTA API: 1
- Metadata-types: 14 (expendable)
- time to tangle (latency): 1s

SOLUTION (B2C): OMS-API FOR EASY ACCESS TO AN OPEN MARKETPLACE



IOTA AS MOBILITY MARKETPLACE

OMS USE-CASE B2B: SEARCH



OMS API to access offer:

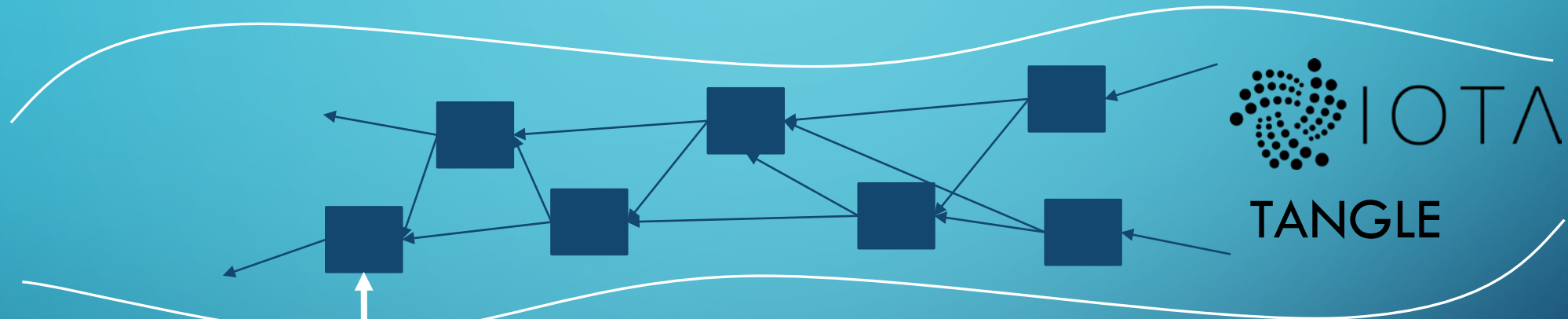
- prodname: DRIVENOW
- provider: BMW
- offerId: 2XCQ3
- CO²-LvL: 120mg/km
- price: 39,- EUR
- walletaddress: Z9TBW....
- etc. pp.



→ = OMS API

IOTA AS MOBILITY MARKETPLACE

OMS USE-CASE B2C: PAYMENT



OMS API to pay for offer:

- tag: Payment
- offerID: 2XCQ3
- receiver: Z9TBW...
- value: 100
- gas: 10



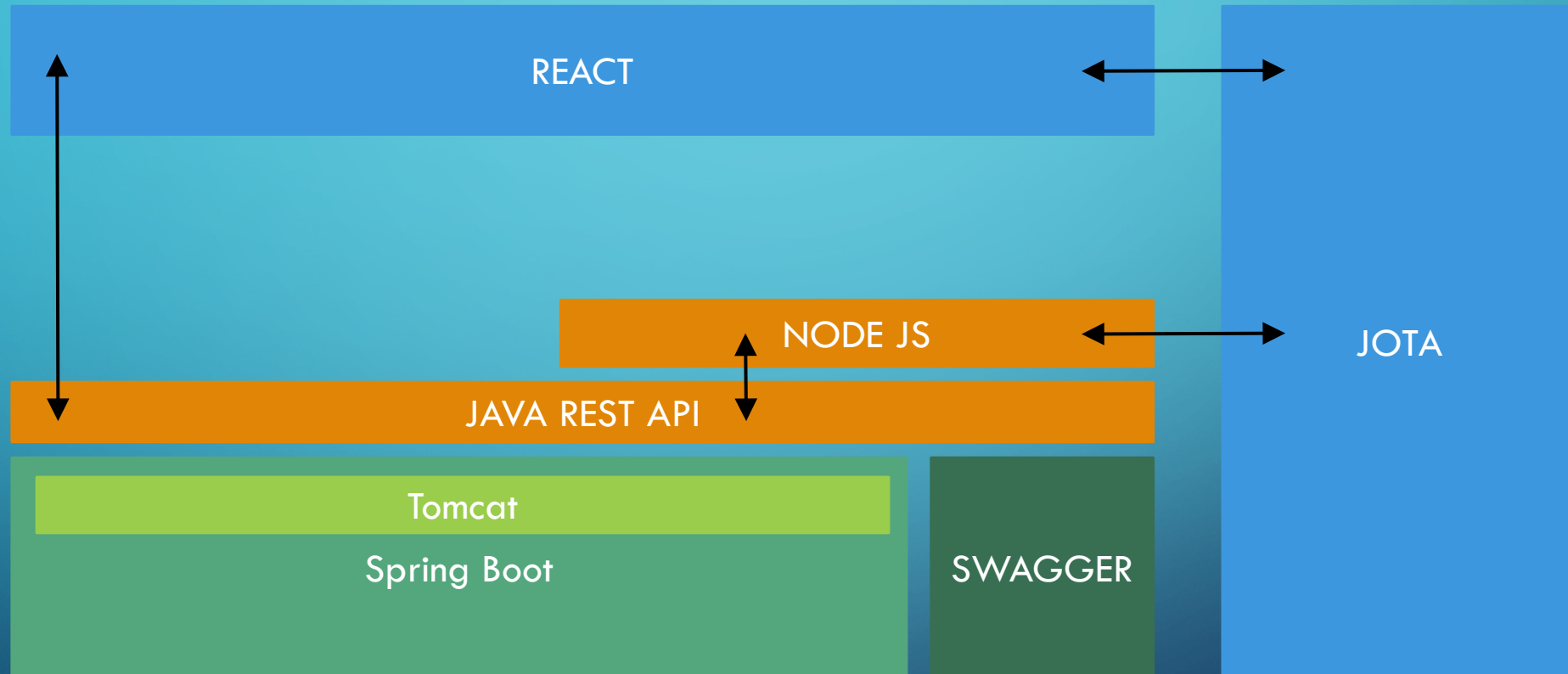
→ = OMS API

OMS USE-CASE B2C

OMS-API enables searches for mobility services and their payments.

- REST APIs: 1
- IOTA API: 2
- Metadata-types: search: dito | payment: 4
- time to tangle (latency): search: <4s | payment: < 30s (testsnet)

OMS ARCHITECTURE



YOUR PLENUM. ANY QUESTIONS ?

PLEASE FEEL FREE TO CONTACT US:

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