

DID Resolution

A work item of the W3C CCG

29nd August 2019

IPR rules apply!

Zoom Call:

<https://zoom.us/j/7077077007>

Text Chat:

<http://irc.w3.org/?channels=ccg>
(type q+ to get into the queue)

This call is being recorded!

Agenda Thursday 29 August 2019

- Welcome and CCG IPR reminder
- Call info and scribe selection
- Agenda creation/review/prioritization
- [Dereferencing a DID URL](#): Fixing the algorithm (continued)
What happens where in the resolver architecture?

Sam Smith's comments:

<https://github.com/hyperledger/aries-rfcs/issues/130>

<https://github.com/w3c-ccg/did-resolution/issues/42>

Charlie Haviland's comments:

<https://lists.w3.org/Archives/Public/public-credentials/2019Aug/0012.html>

Dave Longley's feedback:

<https://lists.w3.org/Archives/Public/public-credentials/2019Jun/0028.html>

[DID Fragment](#): How does it work

Select JSON-LD object from DID Document with matching "id" ?

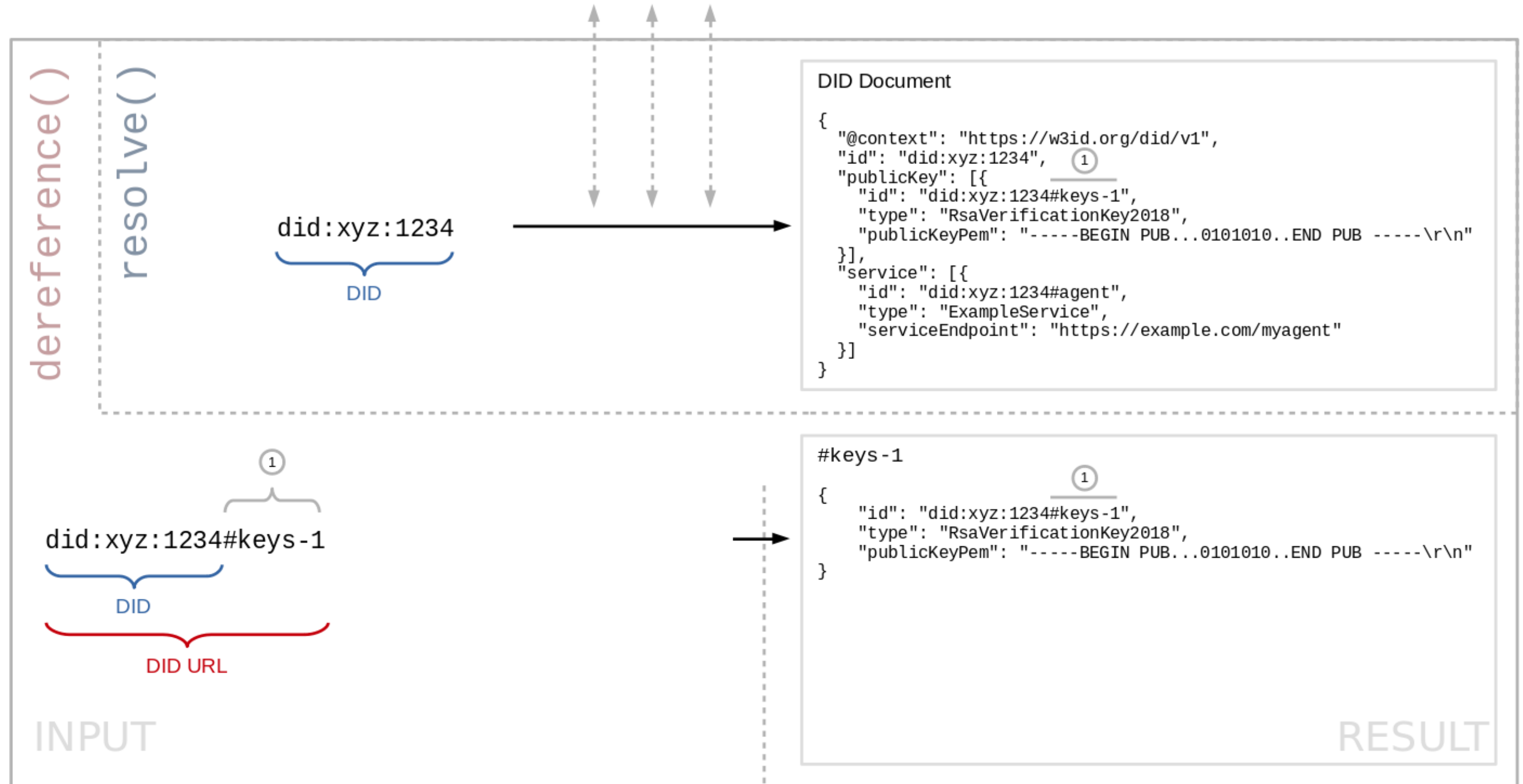
Select JSON-LD object from DID Document by JSON pointer ?

Symmetric key for decrypting (parts of) the DID Document ?

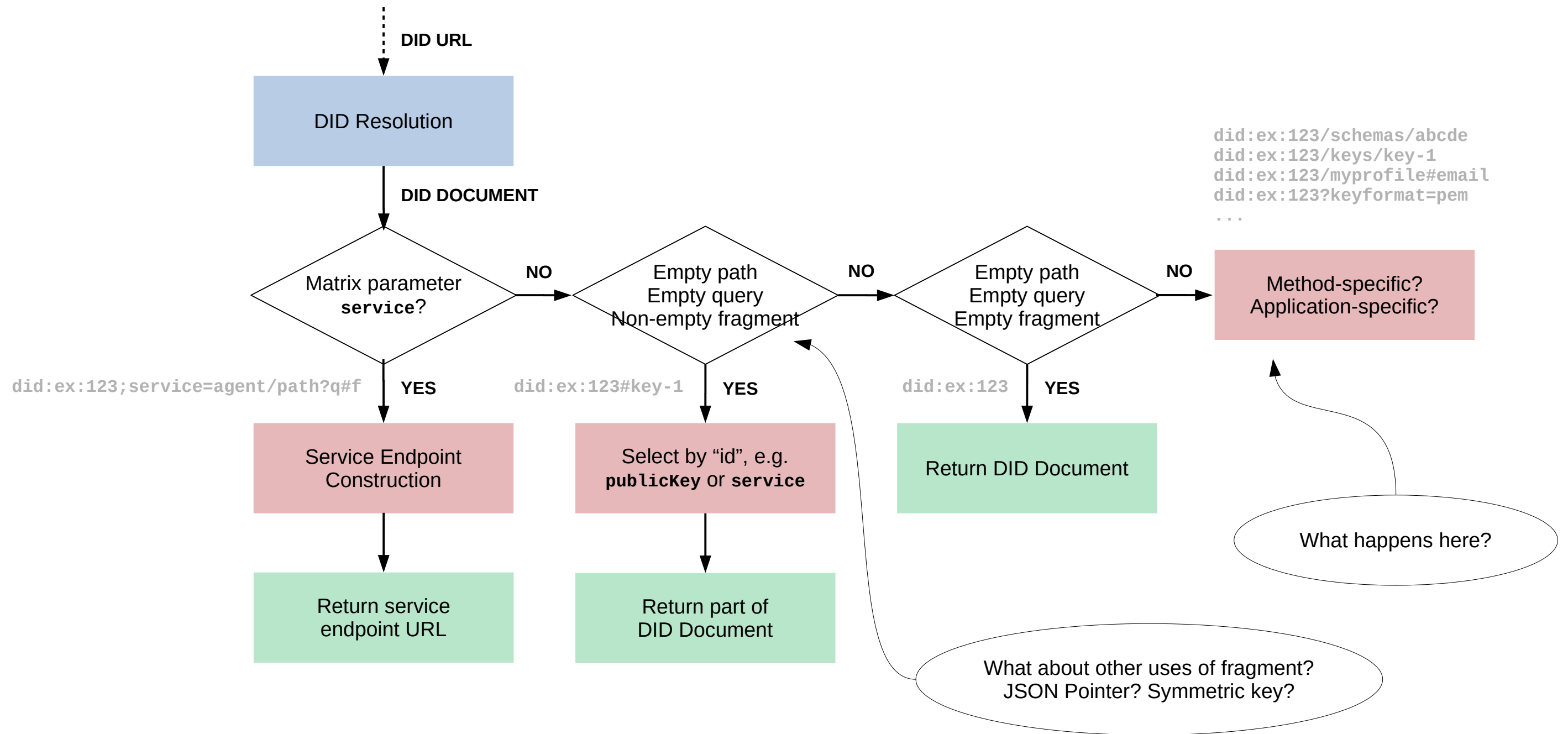
- AOB
- Next meeting



Decentralized Identifier Registry



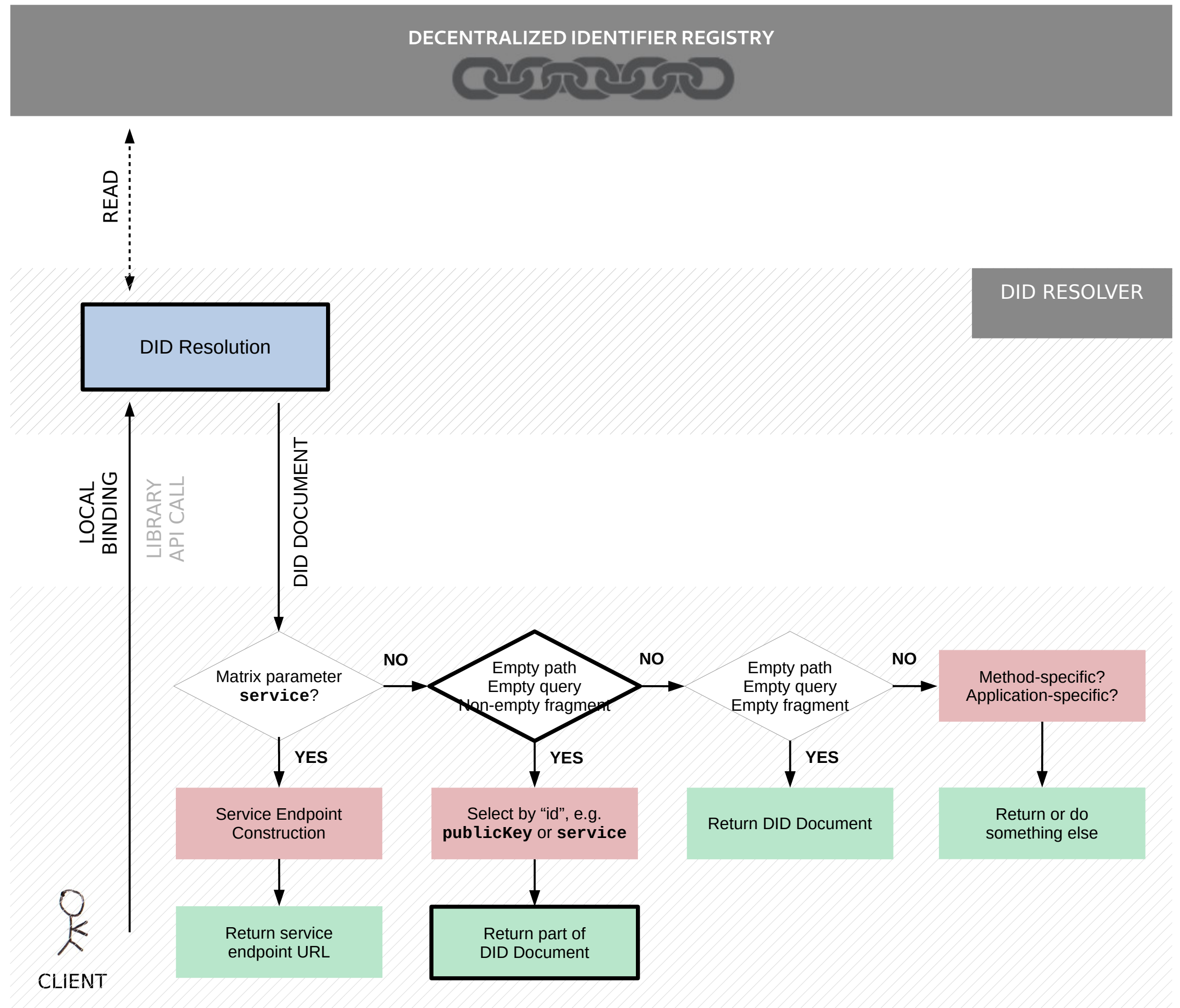
DID URL Dereferencing



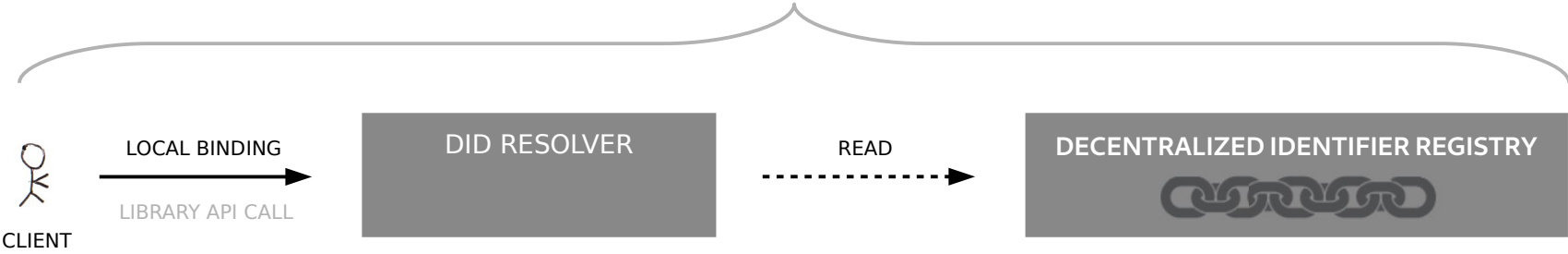
dereference(**did:xyz:1234#keys-1**)

#keys-1

resolve(**did:xyz:1234**)



dereference(did:xyz:1234#keys-1)



DID Resolution

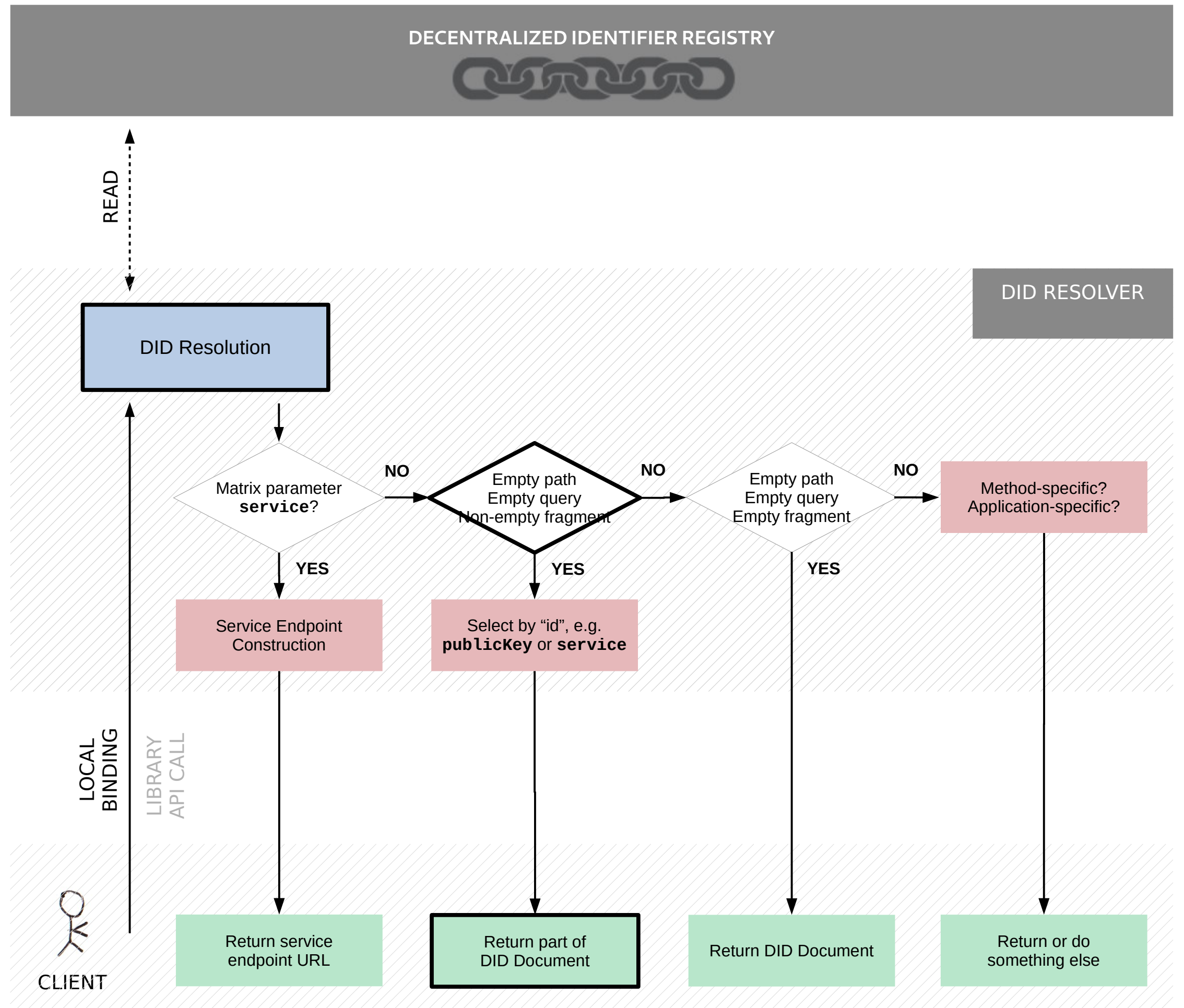
resolve(did:xyz:1234)

Select by "id", e.g.
publicKey or service

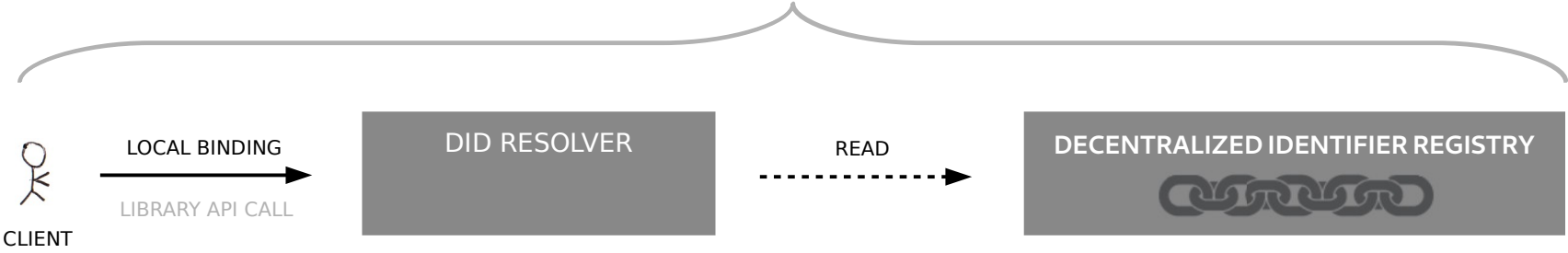
#keys-1

dereference(**did:xyz:1234#keys-1**)

#keys-1 resolve(**did:xyz:1234**)



dereference(did:xyz:1234#keys-1)



DID Resolution

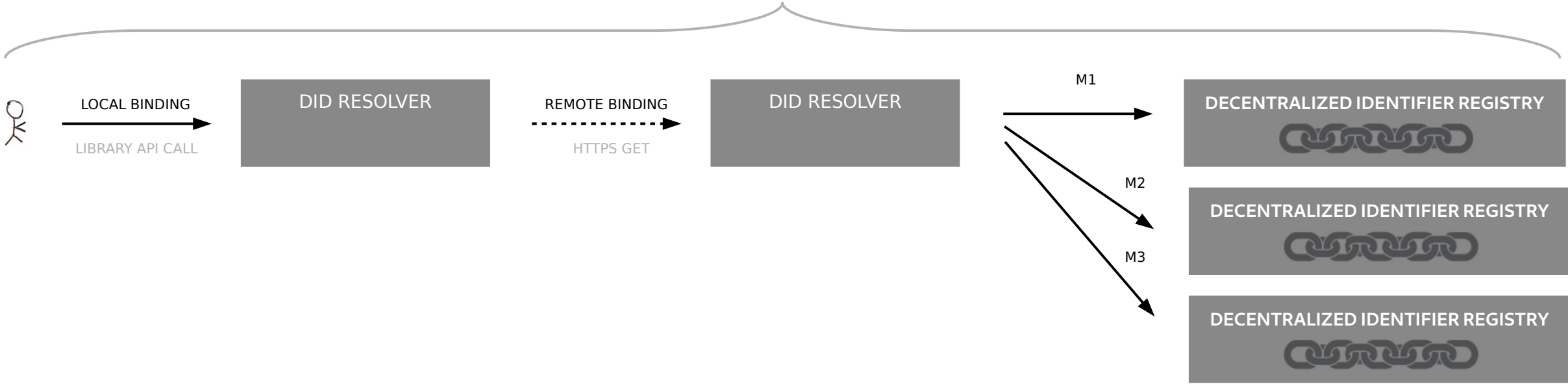
resolve(did:xyz:1234)

Select by "id", e.g. **publicKey** or **service**

#keys-1

(Backup content)

dereference(did:xyz:1234#keys-1)



DID Resolution

resolve(did:xyz:1234)

Select by "id", e.g.
publicKey or **service**

#keys-1