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

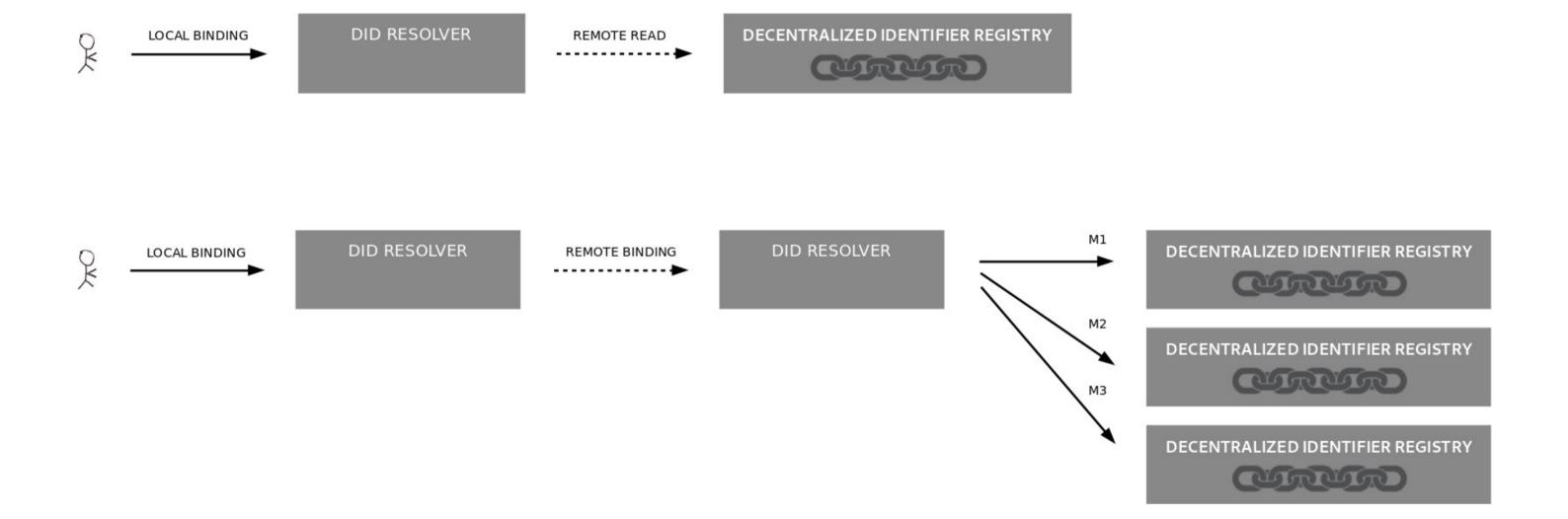
DID Fragment: How does it work

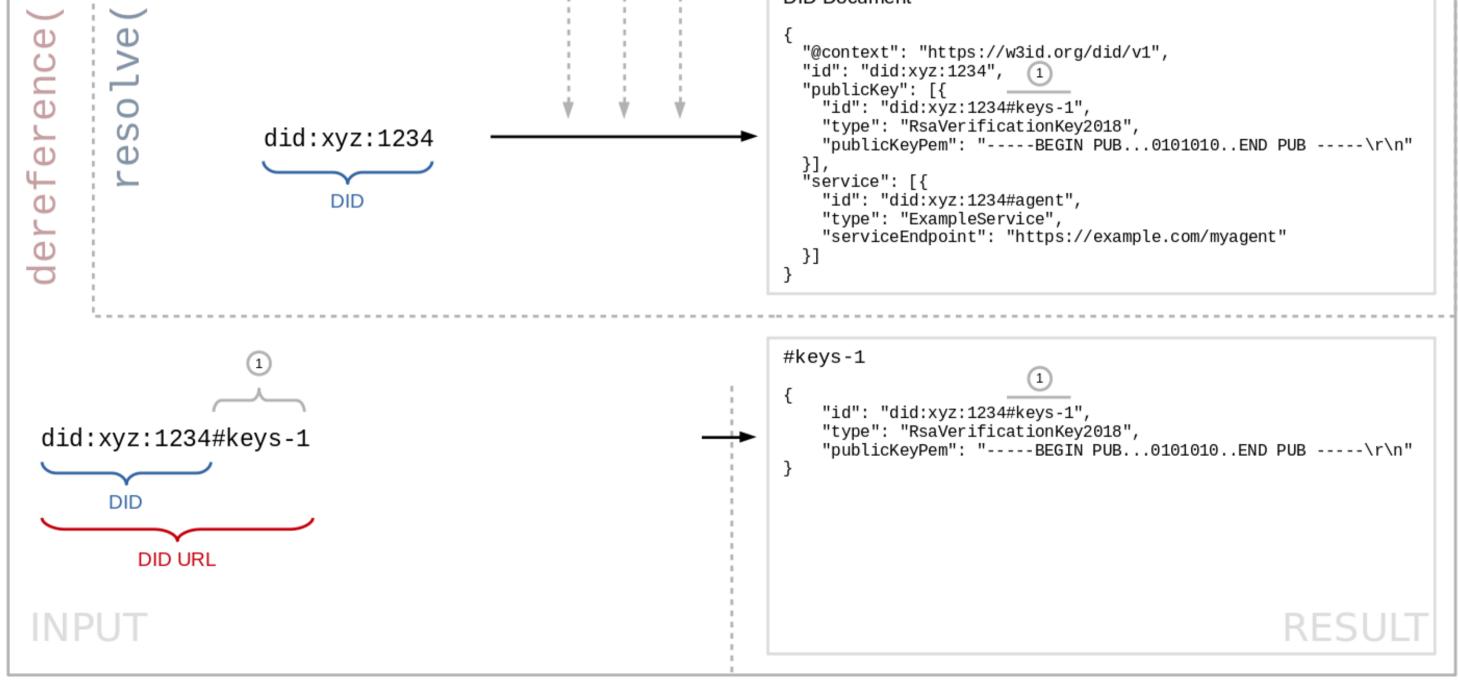
Select JSON-LD object from DID Document with matching "id" ?

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

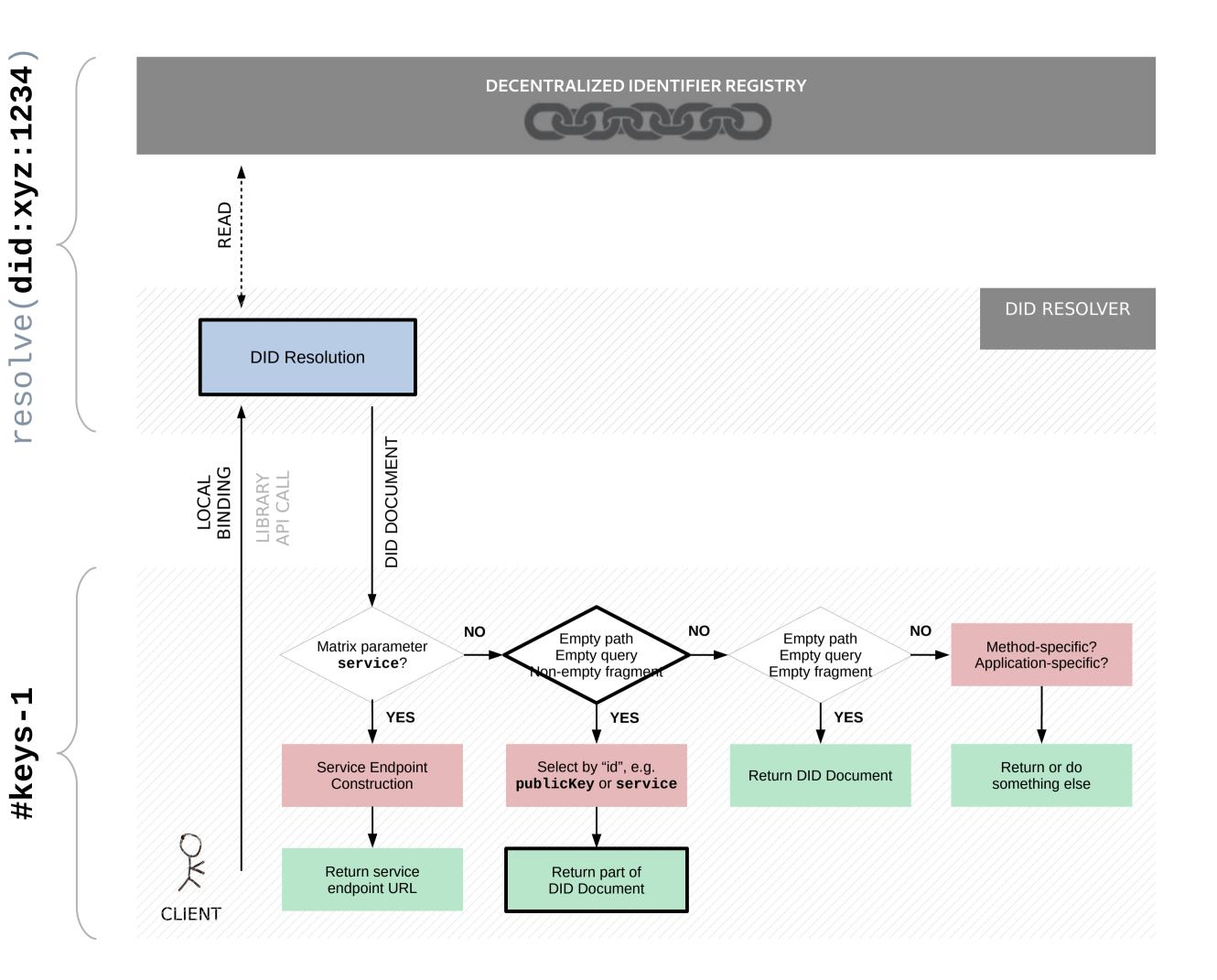
Symmetric key for decrypting (parts of) the DID Document?

- AOB
- Next meeting

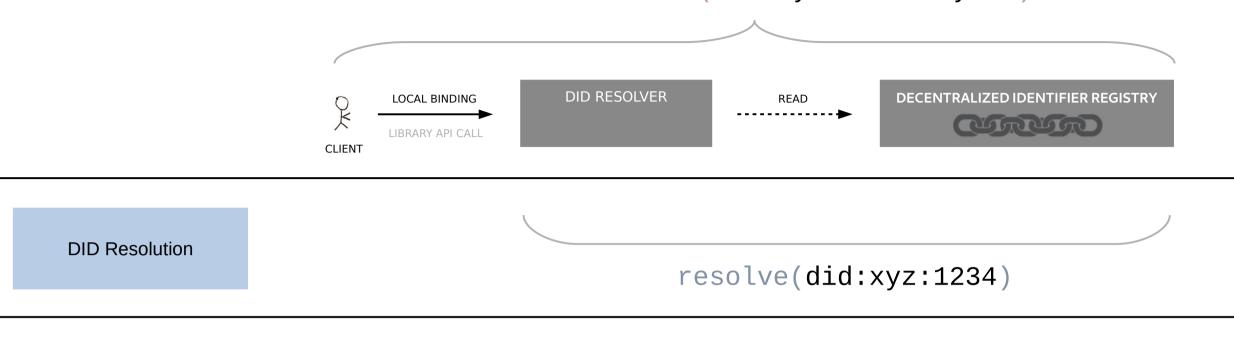




DID URL Dereferencing DID URL DID Resolution did:ex:123/schemas/abcde did:ex:123/keys/key-1 did:ex:123/myprofile#email did:ex:123?keyformat=pem **DID DOCUMENT** . . . Empty path NO NO Empty path NO Method-specific? Matrix parameter Empty query Empty query Application-specific? service? Non-empty fragment Empty fragment did:ex:123#key-1 did:ex:123;service=agent/path?q#f did:ex:123 YES YES YES Service Endpoint Select by "id", e.g. Return DID Document Construction publicKey Or service What happens here? Return part of Return service DID Document endpoint URL What about other uses of fragment? JSON Pointer? Symmetric key?

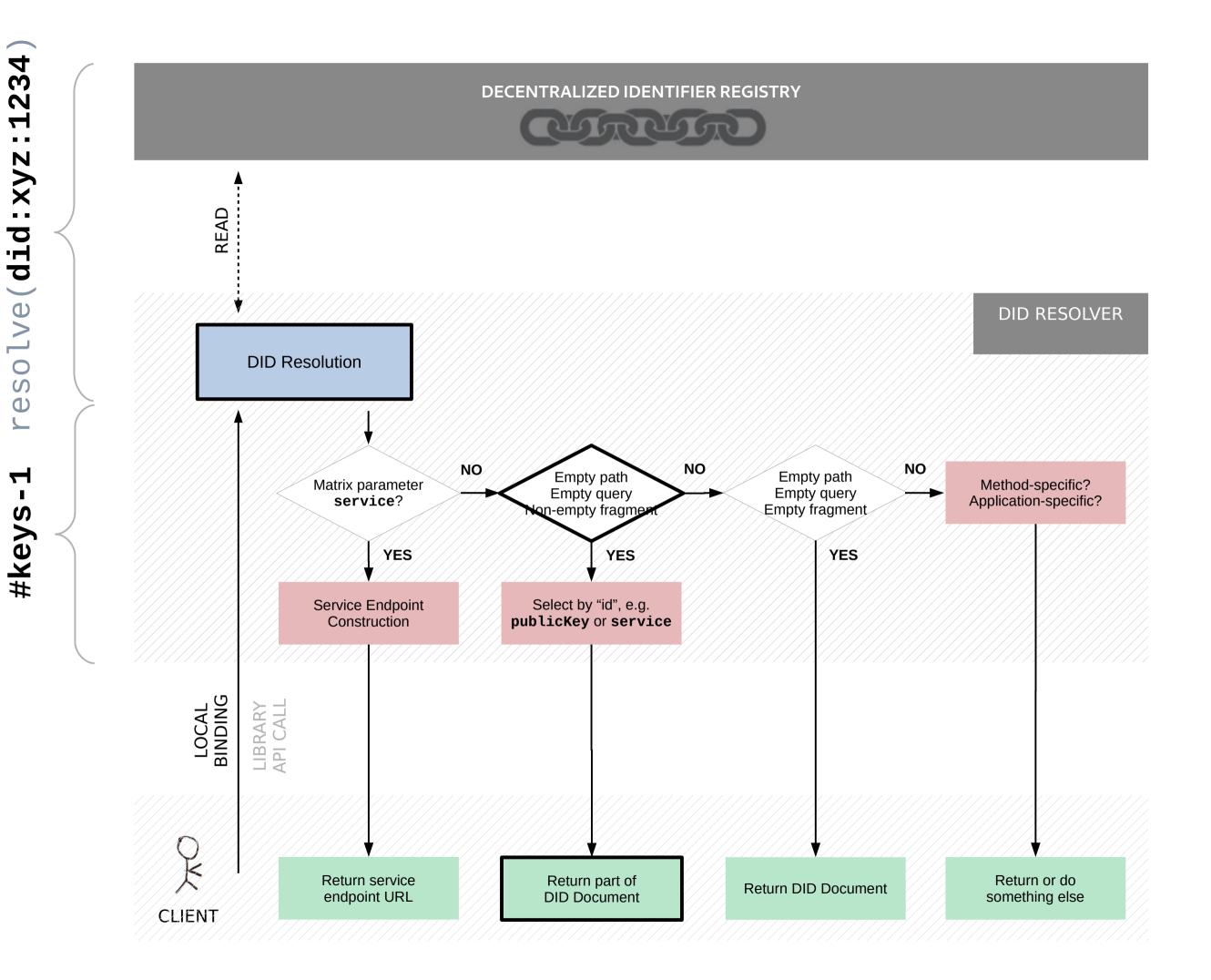


dereference(did:xyz:1234#keys-1)

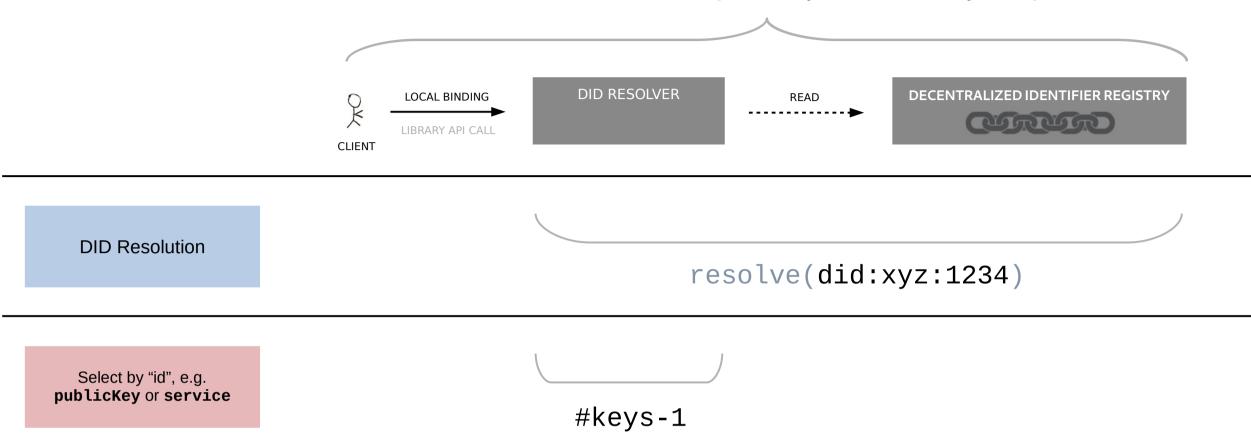


Select by "id", e.g. publicKey or service

#keys-1

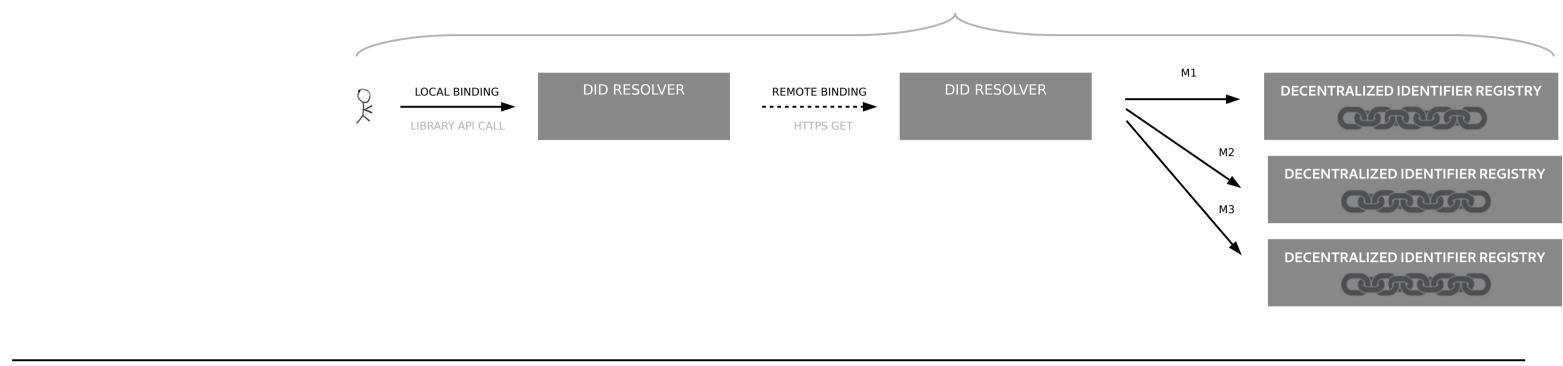


dereference(did:xyz:1234#keys-1)



(Backup content)

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



DID Resolution

resolve(did:xyz:1234)

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

#keys-1