# **DID Resolution**

A work item of the W3C CCG

24<sup>th</sup> October 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 24 October 2019**

Welcome and CCG IPR reminder

Call info and scribe selection

Agenda creation/review/prioritization

Proposed improvements to DID URL Dereferencing algorithm, to better account for fragments (see #47 and RWoT#9 insights)

AOB

Next meeting

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

```
dereference(did:xyz:1234, options)
                                 resolve(did:xyz:1234, options)
                                                                                  DID DOCUMENT
dereference(#keys-1)
      CLIENT
                                     DID RESOLVER
                                                                    DECENTRALIZED IDENTIFIER REGISTRY
                     LOCAL BINDING
                                                       REMOTE READ
                                                                          MANA
                     LIBRARY API CALL
```

```
{
  "@context": ["https://www.w3.org/2019/did/v1"],
  "id": "did:xyz:1234#keys-1",
  "type": "RsaVerificationKey2018",
  "publicKeyPem": "-----BEGIN PUB...01010"
}
```

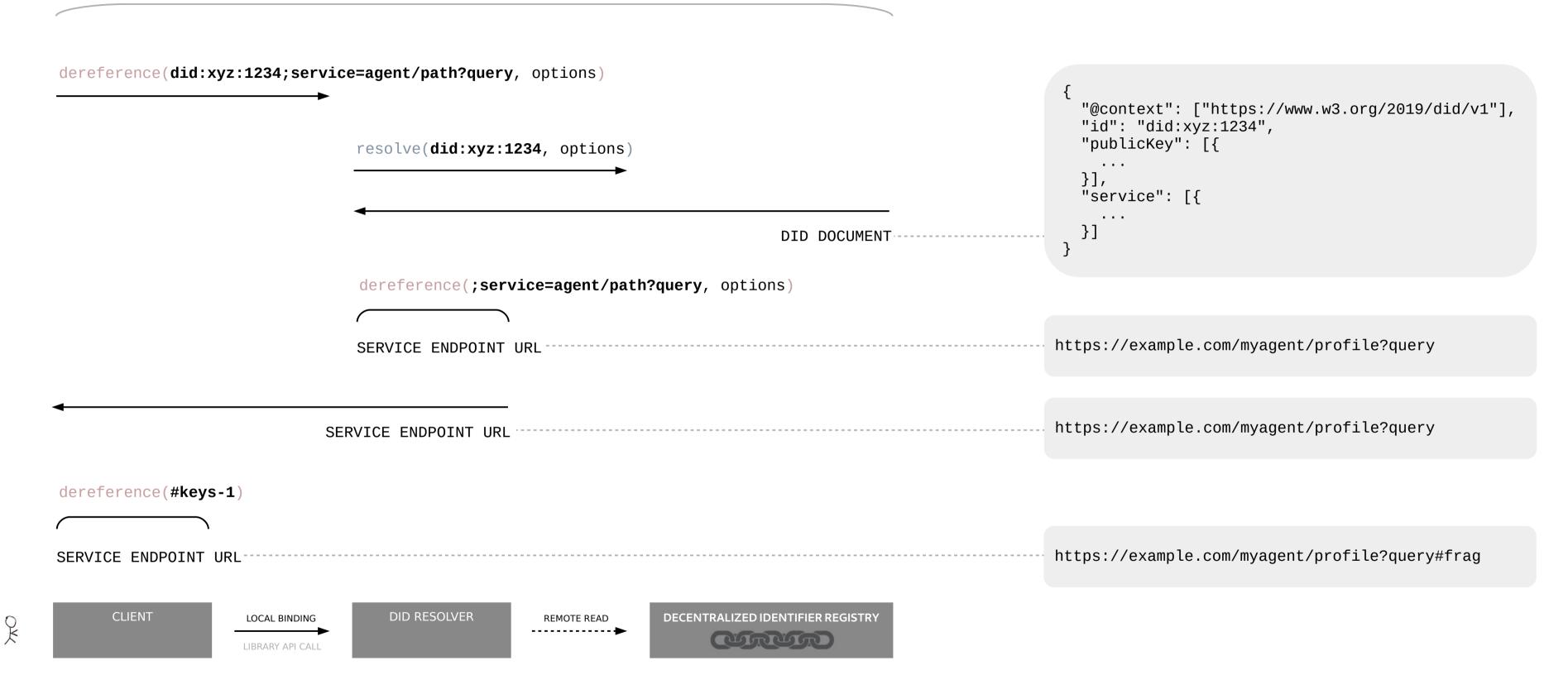
#### dereference(did:xyz:1234#keys-1)

LIBRARY API CALL

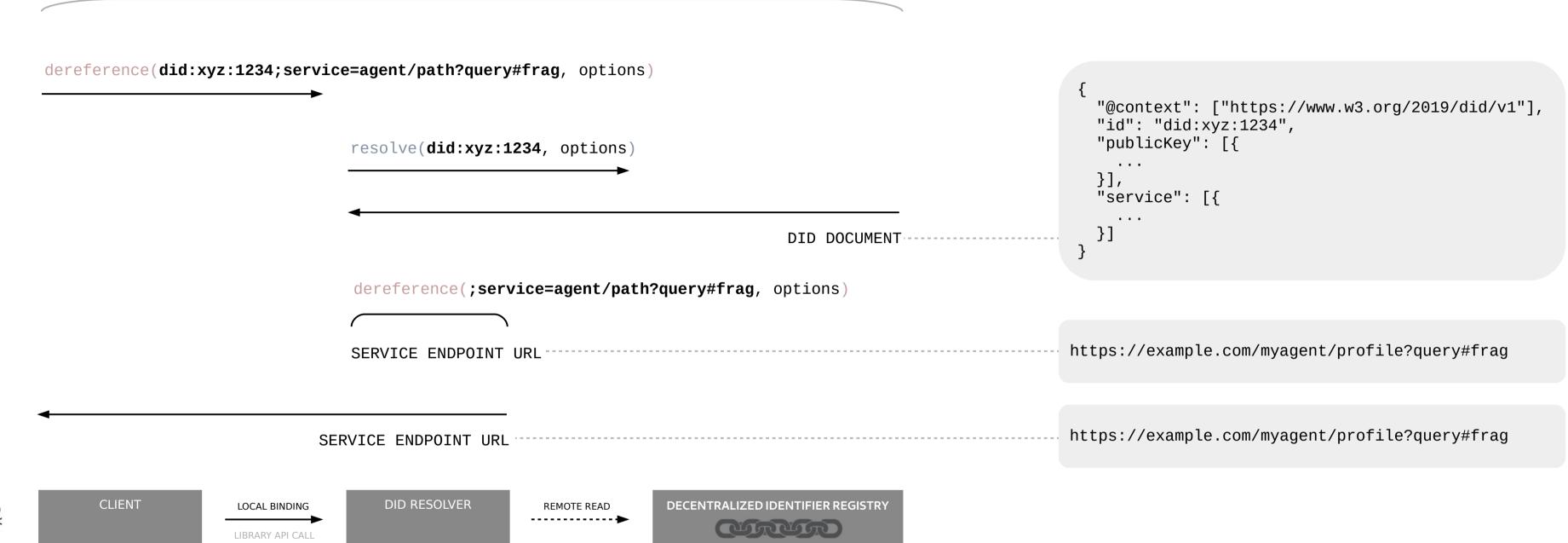
```
dereference(did:xyz:1234#keys-1, options)
                                                                                                      "@context": ["https://www.w3.org/2019/did/v1"],
                                                                                                     "id": "did:xyz:1234",
                                                                                                     "publicKey": [{
                             resolve(did:xyz:1234, options)
                                                                                                       . . .
                                                                                                     }],
                                                                                                     "service": [{
                                                                        DID DOCUMENT -----
                              dereference(#keys-1)
                             PART OF DID DOCUMENT -----
                                                                                                     "@context": ["https://www.w3.org/2019/did/v1"],
                                                                                                     "id": "did:xyz:1234#keys-1",
                                                                                                     "type": "RsaVerificationKey2018",
                                                                                                     "publicKeyPem": "----BEGIN PUB...01010"
                          PART OF DID DOCUMENT
                                                            DECENTRALIZED IDENTIFIER REGISTRY
     CLIENT
                                 DID RESOLVER
                   LOCAL BINDING
                                                REMOTE READ
```

MANA

#### dereference(did:xyz:1234;service=agent/path?query#frag)



## dereference(did:xyz:1234;service=agent/path?query#frag)



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

