DID PKH

Decentralized Identifiers

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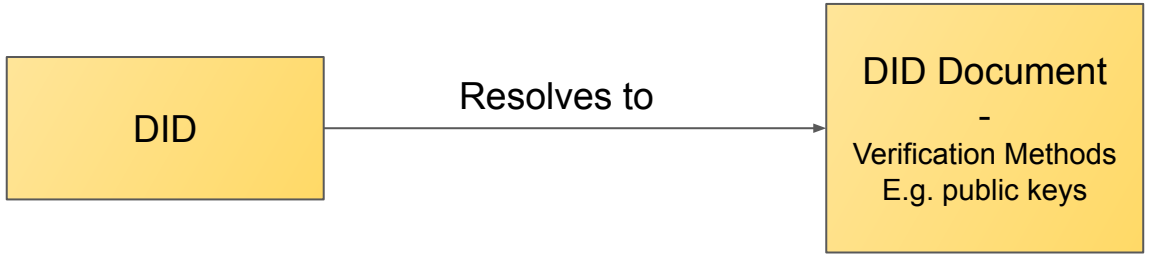
Resolving a DID



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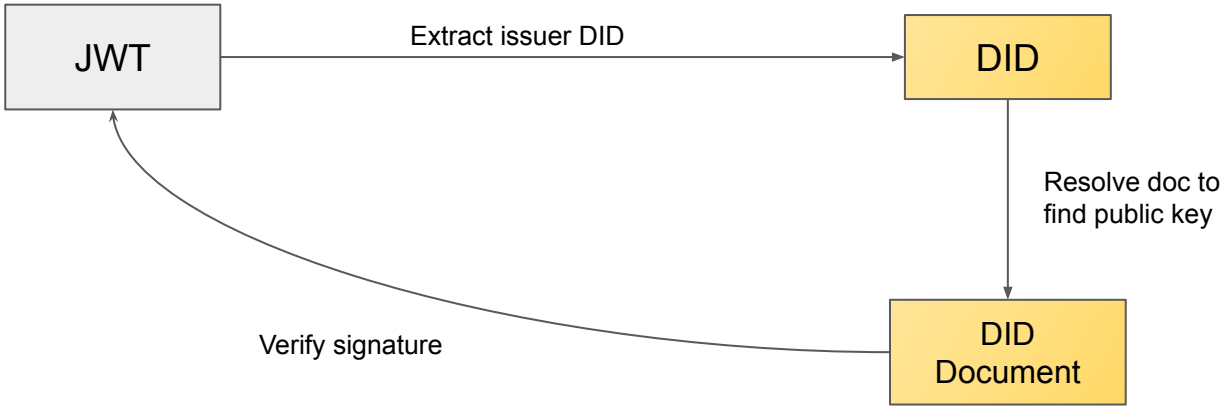
Verifying a signature by a DID



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DID Key

🗿 Deterministic generation of DID document from public key

🔐 Most key types supported (secp256k1, ed25519, bls, etc)

🎛️ Keys are distinguished using multicodec

🎏 Great for ephemeral use cases such as session keys

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DID Key

did:key:z6MkicdicToW5HbxPP7zZV1H7RHvXgRMhoujWAF2n5WQkdd2


```
"verificationMethod": [
        {
        "id": "did:key:z6MkicdicToW5HbxPP7zZV1H7RHvXgRMhoujWAF2n5WQkdd2#z6MkicdicToW5HbxPP7zZV1H7RHvXgRMhoujWAF2n5WQkdd2",
        "type": "Ed25519VerificationKey2018",
        "controller": "did:key:z6MkicdicToW5HbxPP7zZV1H7RHvXgRMhoujWAF2n5WQkdd2",
        "publicKeyBase58": "5ANg2DZ4jk7VGtHHsv3SGKjvi79WHvfNp9L6woYPqQqe"
        }
 ],
```


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DID PKH

🗿 Deterministic generation of DID document from caip10 account-id (public key hash)

🔐 Wallet ecosystems already exist!

🎛️ Ethereum, Bitcoin, Tezos, Solana already supported

🌲 Can act as roots of trust for managing access to data

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Caip 10

namespace:reference:account_address

Ethereum mainnet:
eip155:1:0xab16a96d359ec26a11e2c2b3d8f8b8942d5bfcdb

Bitcoin mainnet:
bip122:000000000019d6689c085ae165831e93:128Lkh3S7CkDTBZ8W7BbpsN3YYizJMp8p6

Solana mainnet:
solana:4sGjMW1sUnHzSxGspuhpqLDx6wiyjNtZ:CKg5d12Jhpej1JqtmxLJgaFqqeYjxgPqToJ4LBdvG9Ev

Tezos mainnet:
tz:NetXdQprcVkpaWU:tz1TzrmTBSuiVHV2VfMnGRMYvTEPCP42oSM8

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DID PKH

did:pkh:eip155:1:0xb9c5714089478a327f09197987f16f9e5d936e8a


```
"verificationMethod": [
        {
        "id": "did:pkh:eip155:1:0xb9c5714089478a327f09197987f16f9e5d936e8a#blockchainAccountId",
        "type": "EcdsaSecp256k1RecoveryMethod2020",
        "controller": "did:pkh:eip155:1:0xb9c5714089478a327f09197987f16f9e5d936e8a",
        "blockchainAccountId": "did:pkh:eip155:1:0xb9c5714089478a327f09197987f16f9e5d936e8a"
        }
 ],
```


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