Decentralised IDentifiers and Friends
Vurucu ve Akillica Alt Başlık

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Blokzincir Laboratuvarı

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- DID Core
  - DID-common-java
- DID Auth
- DID Communication
- Applications
  - DID SIOP identity.foundation/did-siop/
- Applicable Scenarios
  - DID CAS ?
  - DID PAM ?
  - DID SAML ?

Decentralized Identifiers (DIDs) v1.0

!!! bu spec hakkinda genel bilgiler

Identifier

Query

did:example:123456?query=true

DID Syntax

- The generic DID scheme is a URI scheme conformant with [RFC3986].
- The DID scheme name MUST be an ASCII lowercase string.
- The DID method name MUST be an ASCII lowercase string.

```
did                 = "did:" method-name ":" method-specific-id
method-name         = 1*method-char
method-char         = %x61-7A / DIGIT
method-specific-id  = *( *idchar ":" ) 1*idchar
idchar              = ALPHA / DIGIT / "." / "-" / "_"
```

DID URL Syntax

!!! DID URL gorseli ekle

```
did-url = did path-abempty [ "?" query ] [ "#" fragment ]
```

DID Core Properties

- id
- authentication
- controller
- service
- verificationMethod
- assertionMethod
- keyAgreement
- capabilityDelegation
- capabilityInvocation

Onemli Core Prop. tan bahset

Minimal Self-managed DID document

```json
{
  "@context": "https://www.w3.org/ns/did/v1",
  "id": "did:example:123456789abcdefghi",
  "authentication": [{
    "id": "did:example:123456789abcdefghi#keys-1",
    "type": "Ed25519VerificationKey2018",
    "controller": "did:example:123456789abcdefghi",
    "publicKeyBase58": "H3C2AVvLMv6gmMNam3uVAjZpfkcJCwDwnZn6z3wXmqPV
  }],
  "service": [{
    "id":"did:example:123456789abcdefghi#vcs",
    "type": "VerifiableCredentialService",
    "serviceEndpoint": "https://example.com/vc/"
  }]
}
```

Sources