

draft-ietf-cdni-interfaces- https-delegation

IETF 111 - CDNI WG

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About Certificate sharing based Delegation methods

- [RFC 8739](#) (STAR)
- [STAR Delegation](#)
- [Delegated Credentials](#) (Internet Draft)

HTTPS Delegation

- Internet Draft <https://datatracker.ietf.org/doc/draft-ietf-cdni-interfaces-https-delegation/> - v05
 - Allows bootstrapping content delivery delegation for “certificate” based content delegation methods between a uCDN and a delegate dCDN
 - I-D is adopted as a WG in CDNI WG

CDNI extensions to support Delegation

- Internet Draft, [CDNI HTTPS Delegation](#) updates the Metadata interface model by extending the PathMetadata object, as defined in [RFC8006], and adds new "Delegation methods" objects:
 - AcmeStarDelegationMethod
 - SubcertsDelegationMethod
- PathMetadata can be modeled for ACMEStarDelegationMethod as follows:

```
PathMetadata: {
  "metadata": [{
    "generic-metadata-type": "MI.AcmeStarDelegationMethod",
    "generic-metadata-value": {
      "star-proxy": "10.2.2.2",
      "acme-server" : "10.2.3.3",
      "credentials-location-uri": "www.ucdn.com/credentials",
      "periodicity": 36000,
      "CSR-template": Json/Text representing the CSR template
      (see section 4.2)
    }
  ]
}
```

What's next?

- Prototyping
- WGLC?

Thank you