

Delegated Credentials to Host Encrypted DNS Forwarders on CPEs

[draft-reddy-add-delegated-credentials-02](#)

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Changes Since IETF#117

- Addressed comments from the WG
- Added “delegation” SvcParamKey

“delegation” SVCB SvcParamKey

- Mandatory:
 - If the server is only accessible using delegation credentials
- Not Mandatory:
 - DNS server that can be optionally authenticated using delegation credentials

Example of “delegation” SvcParamKey

```
_dns.example.net. 7200 IN SVCB 1 doh.example.net (  
    alpn=h2 dohpath=/dns-query{?dns} delegation mandatory=delegation)
```

Scope of the I-D: Reminder

- Managed Modern CPEs
 - ✓ Upgraded without end-user intervention
 - ✓ Already support encrypted DNS (e.g., PowerDNS DNSdist)
- Deployment of DNS forwarders for Encrypted DNS

<https://blog.open-xchange.com/dnsdist-as-a-router-ready-solution>

Next Steps

- All raised comments were addressed so far
- The content is more stable
- Request the WG to consider adoption

BACKUP

Sequence Diagram

