

CAA BIS

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Deployment = Issues

- CABForum mandates CAA validation from Sept 8th 2017
- CAA record discovery
 - Current text is ambiguous
 - Original intent is obsolete
 - Better proposal

The discovery issue

- DNS protocol includes pointers (CNAME, DNAME)
 - CNAME is used for two types of delegation
 - Technical: www.example.com CNAME y23492.mycdn.com
 - Administrative: web.example.net CNAME web.example.com
 - CNAME does not distinguish purpose
- Discovery
 - If technical: Observe records at CNAME target only
 - y23492.mycdn.com
 - If administrative: Follow pointer, treat as same as target
 - web.example.com, example.com
- Solution? Use prefixed record.

Charter Text

Charter text proposed:

- Specify a discovery mechanism for CAA records to replace the one described in RFC 6844.

RFC 6844 describes the mechanism by which CAA records relating to a domain are discovered. Implementation experience has demonstrated an ambiguity in the current processing of CNAME and DNAME records during discovery. Subsequent discussion has suggested that a different discovery approach would resolve limitations inherent in the current approach.

Milestone: RFC 6844 BIS April 2018