

# Domain Verification Techniques

DNSOP WG, IETF 115

**Shivan Kaul Sahib**

Shumon Huque

Paul Wouters

# What is domain verification?

Many providers on the internet need users to prove that they control a particular domain before granting them some sort of privilege associated with that domain.

For e.g. ACME has a DNS-based challenge for a user to prove that they control a particular domain (and hence should be issued a cert for it)

# Old: Survey

1. TXT
2. CNAME

# New: BCP

1. TXT

~~2. CNAME~~

# Newer: BCP

1. TXT
2. CNAME?

MUST

```
_foo.example.com.  IN      TXT      "3419...3d206c4"
```

MUST

```
_foo.example.com.  IN  TXT
```

```
"token=3419...3d206c4,expiry=2023-02-08T02:03:19+00:00"
```

MUST

```
_foo.example.com. IN TXT
```

```
"token=3419...3d206c4,expiry=never"
```



# MUST

```
_feature1._foo.example.com.  IN      TXT    "3419...3d206c4"
```

# MUST

Clear instructions on when the record can be removed

# SHOULD

Detailed help pages

**Thanks!**