## **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

#### MUST

foo.example.com. IN TXT "3419...3d206c4"

#### **MUST**

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

#### MUST

Clear instructions on when the record can be removed

#### SHOULD

Detailed help pages

### Thanks!