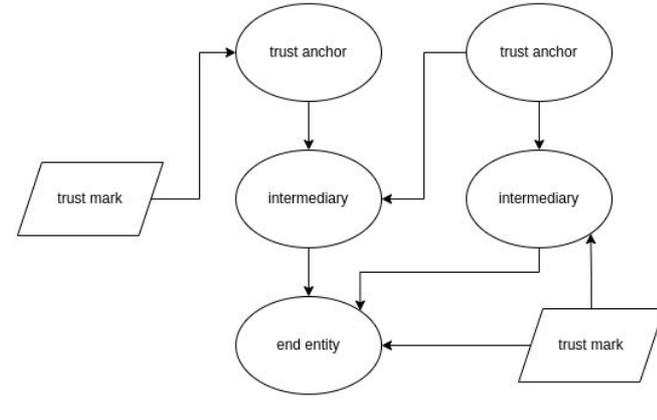
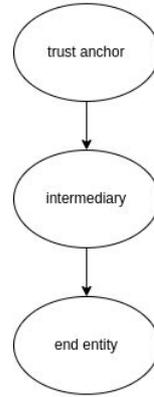


# ACME OpenID Federation

Giuseppe deMarco by way of Leif Johansson

# OpenID Federation

- OpenID Federation is a way to build identity federations at scale
- “A PKI with everything you need for multiple overlapping hierarchies turned on by default”



[https://openid.net/specs/openid-federation-1\\_0.html](https://openid.net/specs/openid-federation-1_0.html)  
<https://www.youtube.com/watch?v=XjZnDFsXGwE>

# draft-demarco-acme-openid-federation

- Issue an X.509 certificate based on proof-of-control of an OpenID fed entity
- A mechanism for bridging between OpenID Federation and “classical” PKI

# Motivating examples

- EUID wallet client access certificates
- Object signing certificates “derived” from OpenID Federation

# Implementation status

<https://github.com/abetterinternet/oidf-box>

built around Pebble and Lego, two well-known ACME implementations.