

# ADD BoF - IETF 105

DoT & DoH for IoT devices and other non-browser apps

# Operational/Policy Issues

- Trust anchor management - ACME/DANE or ????
- Configurable device policy
  - Choosing between DoT, DoH and vanilla DNS
  - Fallback strategies
- Resolver discovery configuration
  - Use local resolver (found by the OS) or something vendor-specific?
  - Hard-wired resolver settings per-device or per-app?

# Documentation Gaps

- Document use cases & threat models
  - Mitigating privacy/security risks
  - Information leakage from endpoints to device- and app-specific DNS resolvers, especially with DoH
- Validation of returned data to thwart malicious resolvers
  - Disable alarm, switch on toaster, join botnet, etc. when nobody's home
  - Interference from pwned devices on local net