



# DNS over HTTPS – Update to the ISPCP

ICANN68, ISPCP Open Meeting, 23 June 2020

**WE ARE SHAPING THE INTERNET.**

**YESTERDAY. TODAY. BEYOND TOMORROW.**



# Background

- IETF DOH Working Group
  - Paul Hofmann, ICANN
  - Patrick McManus, Mozilla
- RFC Proposed Standard 8484
  - <https://datatracker.ietf.org/doc/rfc8484/>

# What is it about?

- Encrypted transmission of DNS queries
- Connection to the resolver over HTTPS
- HTTPS-speaking applications / OS
- Requires upgraded DNS / Web servers

# ISPCP

- Statement on DNS over HTTPS
- Impact on ISPs
  - Technical Impacts
  - Regulatory and Policy Considerations
- Assumption: limited number of DoH providers

# What is happening?

- ISPCP Statement on DNS over HTTPS
- EDDI – Encrypted DNS Deployment Initiative
- EC High Level Group on Internet Governance
- EuroDIG

# What is happening?

- Mozilla: DoH default in US
  - 2 DoH providers
- Chrome: optional „same provider auto-upgrade“
  - manually curated list of DoH providers
- Windows 10: optional «same provider auto-upgrade»
  - Beta, manually curated list of DoH providers



# Thank you!

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