

# Authz Extension to use DTCP Certificates in TLS handshake

(draft-dthakore-authz-01)

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# DTCP= Digital Transmission Content Protection

- Method of protecting audiovisual entertainment content over bidirectional digital interfaces on Consumer Electronics (CE) products
  - DTCP Certificates are used by these devices for link protection to transfer AV content
- DTCP Certificates are deployed in millions of devices today: TV's, STB's, Game Consoles etc.

# Problem & Opportunity

- CE devices are becoming more “web-friendly”; and we want to enable web enabled services on them (e.g., HTML5 based media content)
- It would be nice to reuse their existing DTCP certificates for authentication and authorization, when requesting services via HTTP over TLS
- Easier than deploying millions of new certificates on existing devices!

# Proposal

- Register new Authorization Data Format to carry DTCP certificates
- Use Supplemental Data handshake defined in RFC4680
- Use Authorization Extensions defined in RFC5878

<http://tools.ietf.org/html/draft-dthakore-tls-authz-01>

**Thank You!**