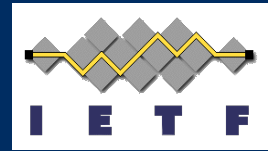




# Client-Cert HTTP Header Field

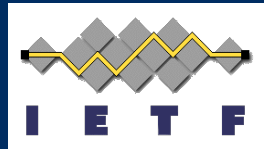
draft-ietf-httpbis-client-cert-field



# (Review) Context and Motivation

- HTTPS application deployments often have TLS ‘terminated’ by a reverse proxy somewhere in front of the actual HTTP(S) application
  - 'Old fashioned' n-tier reverse proxy and origin server
  - CDN-as-a-service type offerings or application load balancing services
  - Ingress controllers
- TLS client certificate authentication is *sometimes* used
  - In which case the actual application often needs to know something about the client certificate
  - But the original TLS connection terminated upstream so that info isn't available
- In the absence of a standardized method of conveying the client certificate information, different implementations have done it differently (or not at all)

# Goal



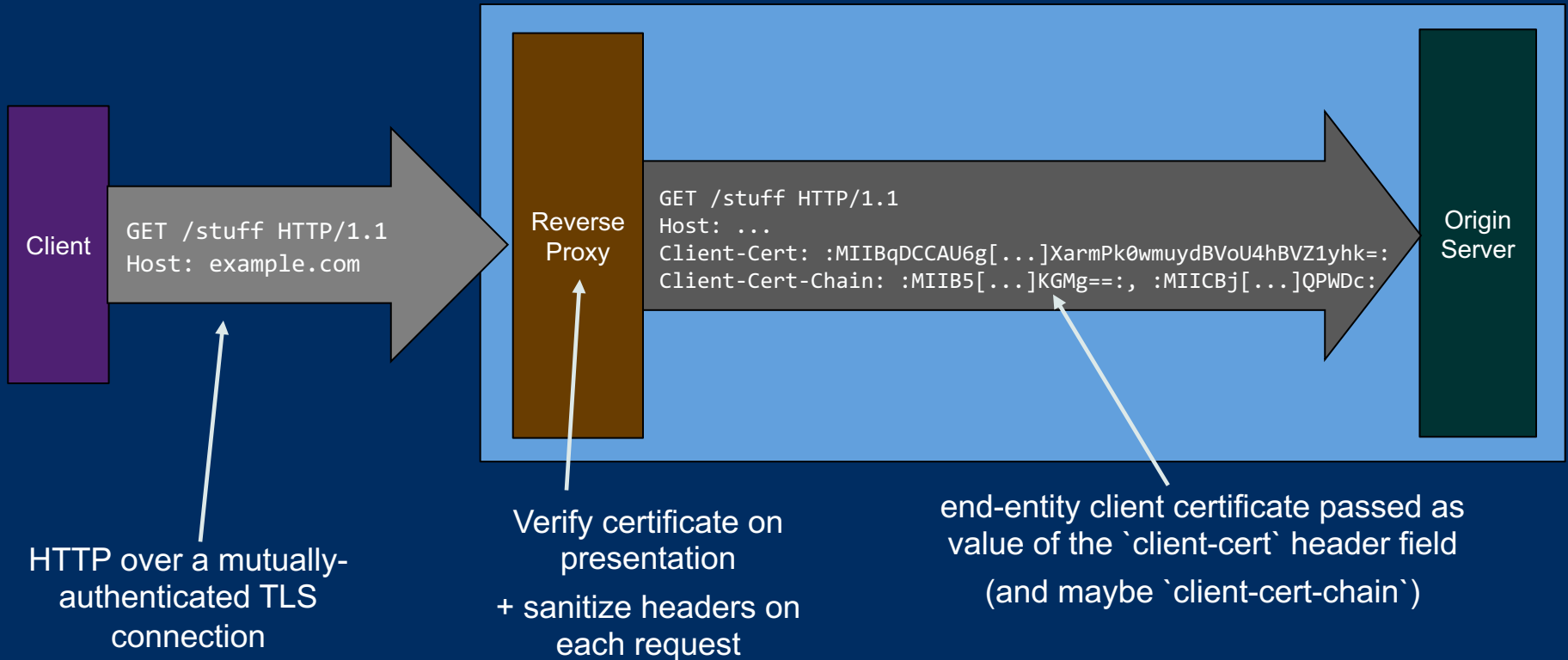
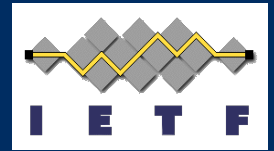
- Informational RFC that documents existing practice while codifying specific details sufficient to facilitate improved and lower-touch interoperability going forward
- Participate...

#### HTTP Working Group Materials

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- IETF 104
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- IETF 106
- Interim meeting: 13-01
- Interim meeting: 13-06
- Interim meeting: 13-08
- Interim meeting: 13-10
- Interim meeting: 14-01
- Interim meeting: 14-03
- Interim meeting: 14-06
- Interim meeting: 20-05
- Interim meeting: 20-10
- Interim meeting: 21-02
- Interim meeting: 21-06
- Interim meeting: 21-09
- Interim meeting: 22-02
- Interim meeting: 22-05

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# Draft's Approach

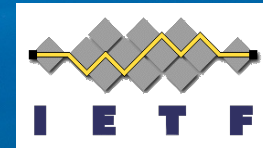




# Recentish Happenings

- -02 submitted 5/25
  - Add a note about cert retention on TLS session resumption
  - In the case of multiple post-handshake client cert authentications, say to use only the last one

# Openish Stuff



https://github.com/httpwg/http-extensions Public

Edit Pins Watch 84 Fork 129 Star 324

Code Issues 80 Pull requests 12 Actions Security Insights

Filters is:open label:client-cert-field Labels 46 Milestones 2 New issue

Clear current search query, filters, and sorts

2 Open	24 Closed	Author	Label	Milestones	Assignee	Sort
<a href="#">No defined client cert error mechanism for the origin</a>	client-cert-field					2
#1935 opened on Feb 4 by davidben						
<a href="#">Certificate chain in the same order as it appears in TLS</a>	client-cert-field					6
#1927 opened on Feb 3 by martinthomson						