TEEP Architecture
draft-ietf-teep-architecture-14

Dave Thaler (presenting)

Ming Pei, David Wheeler, Hannes Tschofenig

Timeline

- JAN 2020: WGLC completed

- NOV 2020: IETF 109 last issues discussed

- Draft -14 posted with resolutions from IETF 109:
  - Issue #213: Added UnrequestTA conceptual API
  - Issue #214: Remove obsolete paragraph implicitly about secure domains
  - Issue #217: Added applicability text

- PR #219 is trivial editorial (fix typo, and alphabetical ordering in glossary)

- Doc is ready to go to IESG whenever shepherd directs
  - We believe the protocol spec is complete enough that any arch doc changes are unlikely

TEEP over HTTP: Agent-to-TAM Communication

draft-ietf-teep-otrp-over-http-10

Dave Thaler <dthaler@microsoft.com>

Timeline

- FEB 2020: WGLC completed, with reviews from Russ and Tiru

- JUL 2020: IETF 108 discussed subsequent reviews from Hannes, Ming, Mark Nottingham

- NOV 2020: IETF 109 last issue discussed

- Changes in Draft -10:
  - Issue #30: Added UnrequestTA conceptual API, per IETF 109 discussion
  - Issue #32: RequestPolicyCheck API and multiple TAMs (next slide)

RequestPolicyCheck API and multiple TAMs

- Per arch draft, a TEEP Agent may need to talk to multiple TAMs
  - e.g., one to get a TA, and a second one to get personalization data
- Problem: transport spec previously only implied one TAM
  - The TEEP/HTTP Client informs the TEEP Agent by invoking an appropriate "RequestPolicyCheck" API. The TEEP Agent will either (a) pass no data back, (b) pass back **a TAM URI** to connect to, or (c) pass back **a message buffer and TAM URI** to send it to.
- Resolution:
  - The TEEP Agent might need to talk to multiple TAMs, however, as shown in Figure 1 of [I-D.ietf-teep-architecture]. To accomplish this, the TEEP/HTTP Client keeps invoking the "RequestPolicyCheck" API until the TEEP Agent passes no data back, so that the TEEP Agent can return each TAM URI in response to a separate API call.
- Corresponding change was made in TEEP protocol spec