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

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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