

Requirements for OPES Callout Protocols

draft-ietf-opes-protocol-reqs-01.txt

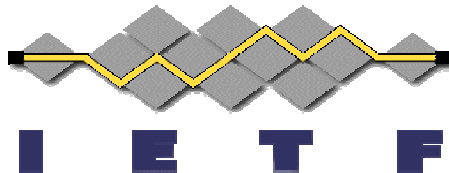
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- **Motivation**

- Specifies the requirements for OPES callout protocols.
- Intended to help evaluate protocol candidates and serve as a guide for callout protocol development.

- **History**

- Initial version (-00) submitted in May 2002.
- Current version (-01) submitted in June 2002 with minor modifications.
 - See change log in Appendix B of the draft.

**Please read the draft for an introduction/tutorial -
Presentation will only summarize issues discussed
on the mailing list and IAB considerations!**

(Open) Issues Discussed on the OPES Mailing List



- Should the draft explicitly allow unencrypted communication between OPES processor and callout server in cases where both machines are co-located in a protected environment, e.g. a data center?
- Is an explicit keep-alive mechanism a **MUST** requirement for any callout protocol or would it also be acceptable if a callout protocol used an implicit method for this purpose, e.g. the capability negotiation process?
- Is there a need to communicate endpoint authorization information to OPES callout servers? Or would it be sufficient if the OPES processor enforced the endpoint authorization when initiating callout transactions?
- Should the draft allow and specify requirements for callout server chaining?

RFC 3238: IAB Considerations for OPES



- The following two IAB considerations are applicable to OPES callout protocols:

“(3.1) Notification: The overall OPES framework needs to assist content providers in detecting and responding to client-centric actions by OPES intermediaries that are deemed inappropriate by the content provider.

(3.2) Notification: The overall OPES framework should assist end users in detecting the behavior of OPES intermediaries, potentially allowing them to identify imperfect or compromised intermediaries.”

- The protocol requirements draft addresses these considerations as follows:

“The OPES callout protocol **MUST** allow OPES processors to comply with the tracing requirements of the OPES architecture as laid out in [1] and [5]. This implies that the callout protocol **MUST** enable a callout server to convey to the OPES processor information about the OPES service operations performed on the forwarded application message.”

Next Steps



Please read the current draft and provide feedback on the OPES mailing list!

- Based on feedback received, publish a new draft version shortly after IETF 54.
- Issue WG Last Call shortly.
- Submit to IESG for Informal.
- Continue discussion on evaluating iCAP (and other protocol candidates) against the OPES protocol requirements.
 - See draft-stecher-opes-icap-eval-00.txt
 - Discuss protocol candidates and their evaluation on the OPES mailing list.