

Update on discussions about RTCP- XR metrics in RTCWEB

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Motivation and Objective

- Motivation:
 - Draft-ietf-rtcweb-rtp-usage focus on giving recommendations on how RTP/RTCP is used in RTCWeb context.
 - However there is an open issue regarding RTCP XR in draft-ietf-rtcweb-rtp-usage
 - How RTCP XR is used in RTCWeb to provide media quality reporting?
- Objective
 - Inspire some discussions in the XRLBLOCK WG
 - Get some feedback from XRBLOCK experts
 - Look for better proposal to address this open issues

Status Update

- Magnus Raised this issue on the RTCWeb list in 18th of Feb and call for contribution until 17th of March.
- This issue was discussed on the RTCWeb mailing list.
- [draft-ietf-rtcweb-use-cases-and-requirements-10](#) have two relevant requirements:
 - A26 The Web API MUST provide means for the application to obtain the statistics (related to transport, and collected by the browser) needed to estimate quality of service.
 - F38 The browser MUST be able to collect statistics, related to the transport of audio and video between peers, needed to estimate quality of service.
- [draft-alvestrand-rtcweb-stats-registry-00.txt](#) allows WebRTC endpoints that are browsers and have a stats API to get that side of information.

Reasons for RTCP XR support in RTCweb API

- For the statistics report using RTCP XR, Magnus summarized the potential motivation for RTCP-XR support to the following cases:
 - The peer is not a Browser but has RTCP XR, and one wants to access its view of the session, thus receiving and gathering RTCP XR reports enables one to get a better view of the whole RTP session.
 - One wants the collection to be in an WebRTC RTP media plane middlebox, and it should get the endpoints view also, thus RTCP XR is good.

Conclusion and Open question

- Conclusion (from XRBLOCK participant perspective)
 - XRLBLOCK metrics block is useful for performance monitoring
 - Most XRBLOCK metrics block are applicable to a range of RTP application including IPTV application and RTCWeb application.
 - Which XRBLOCK metrics blocks are needed depend on application and usage.
- Open questions
 - What kind of use case do we have for RTCWeb applications for using XRBLOCK?
 - What information is really needed in the RTCWeb application?

Feedback?

