

Network-based Rapid Acquisition of Multicast RTP Sessions

draft-xia-avt-proxy-rapid-acquisition-00

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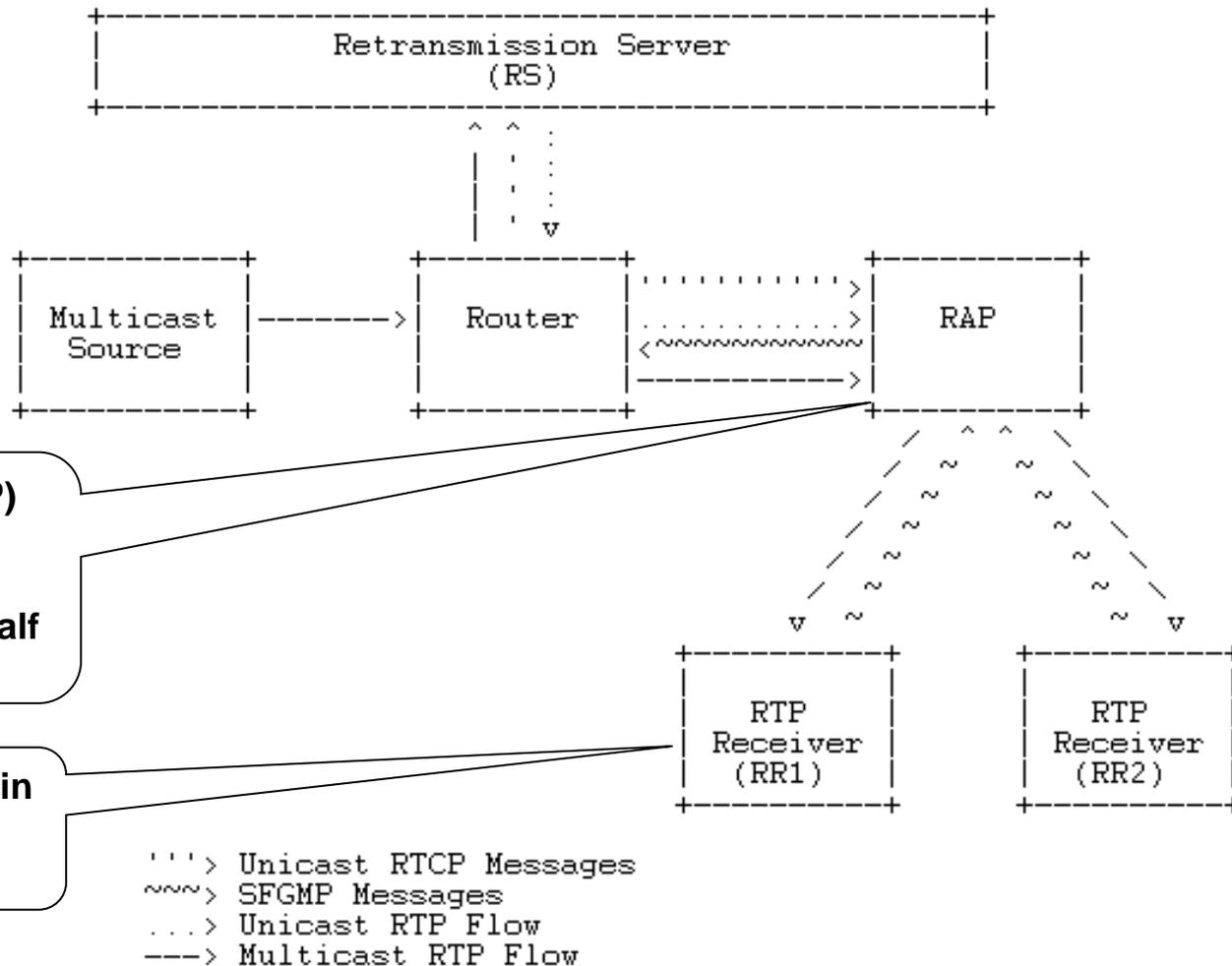
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Motivation

- Network performs rapid acquisition on behalf of RR without its involvement.
 - It is difficult to update all legacy RRs which are largely deployed to support rapid acquisition.
 - Rapid acquisition introduces extra complexity on RR when RR frequently exchanges required parameters with network.
 - In radio network, rapid acquisition signaling messages will consume radio resources and the RR's power when RR is a mobile terminal.

Overview

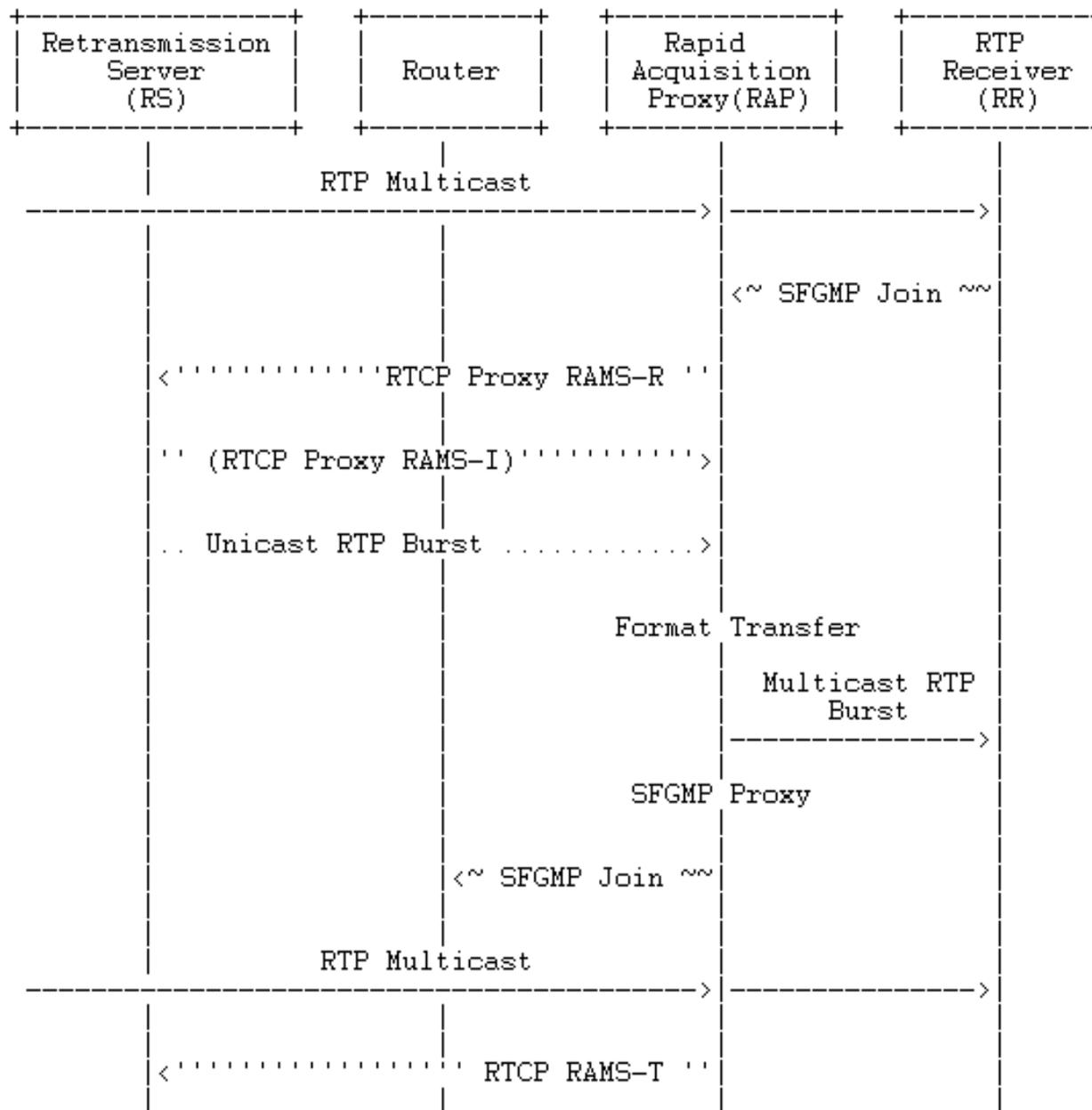


Rapid Acquisition Proxy (RAP) performs rapid acquisition related signaling with a retransmission server on behalf of the RTP receiver

No requirement to participate in any rapid acquisition related signaling

Basic Solution

- This network-based rapid acquisition of multicast RTP session is referred to as Proxy RAMS (PRAMS)
 - Rapid Acquisition Proxy (RAP) supports IGMP/MLD Proxy [RFC4605].
 - Rapid Acquisition Proxy (RAP) performs rapid acquisition related signaling.
 - Rapid Acquisition Proxy (RAP) translates unicast RTP burst into multicast format.



Request

- Request that PRAMS is taken on as a WG item.