Multicast to the Browser

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draft-jholland-mboned-dorms draft-jholland-mboned-ambi draft-jholland-mboned-cbacc

WICG: https://discourse.wicg.io/t/proposal-multicastreceiver-api/3939

Goals

- Receive multicast in Javascript (W3C API)
 - Port receivers to WebAssembly
 - Including proprietary players & downloaders
 - So web pages can play video, download files, etc. with multicast
- Safely
 - Resist on-path packet injection/modification
 - Malicious pages can't blow out the network

Specs

WICG (W3C):

MulticastReceiver API

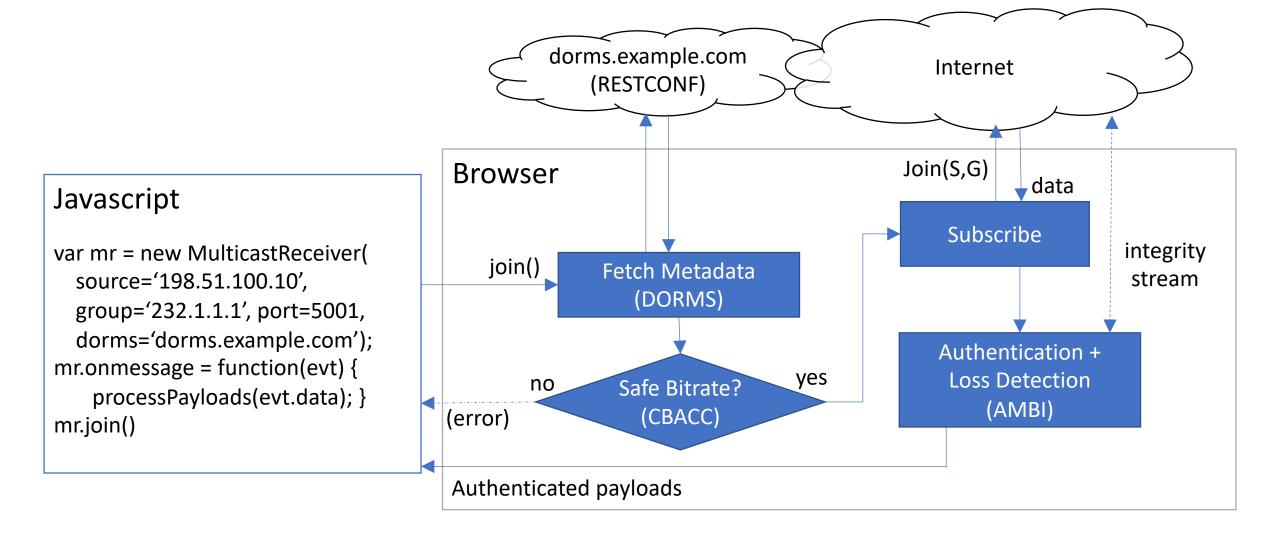
IETF:

• DORMS: Discover and fetch extensible (S,G)-specific metadata

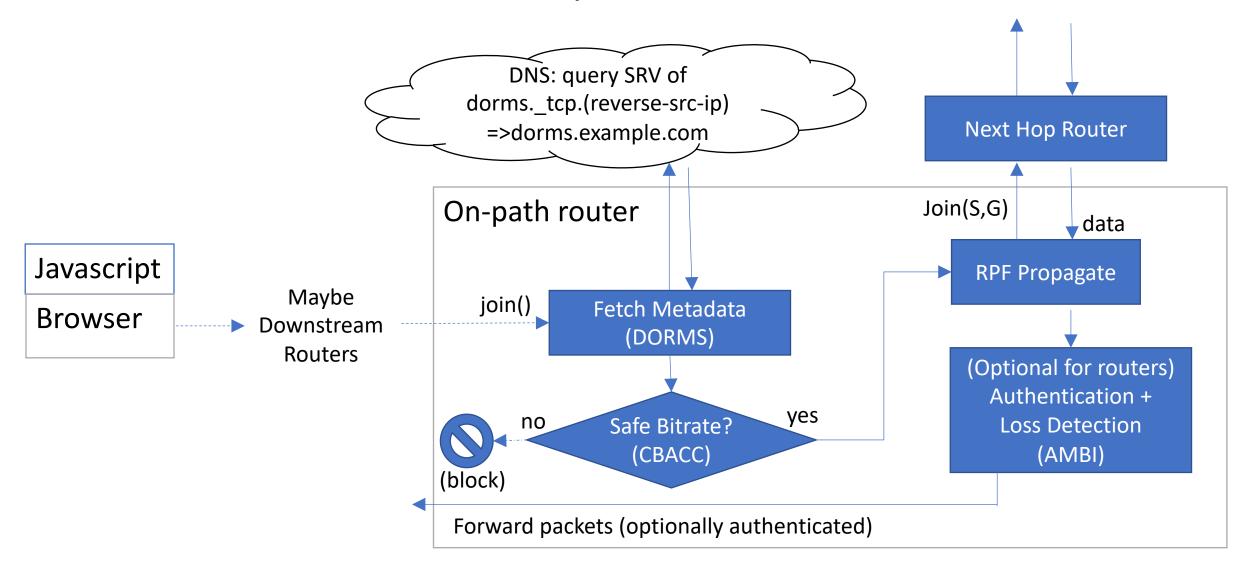
• AMBI: Authenticate packets with out-of-band manifests

• CBACC: Circuit-break streams if oversubscribed

Browser as Gatekeeper



Network as Gatekeeper



Find out more

- Mboned wg presentation
 - Thursday Afternoon 3:50, Orchard
- jholland@akamai.com

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