

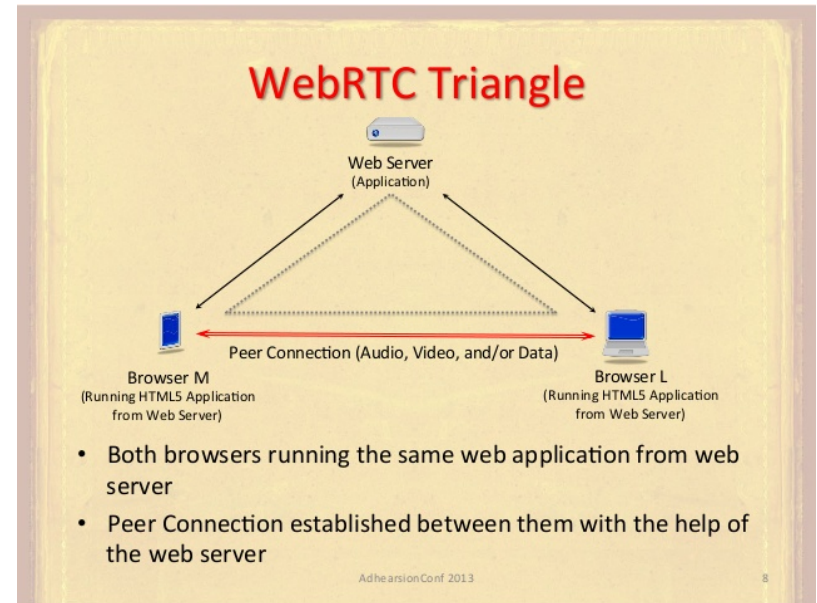
Gateways in RTCWEB

Harald Alvestrand

draft-alvestrand-rtcweb-gateways-01

Why a separate document?

- Because gateways are not in this picture
- Core documents need to focus on WebRTC's core



(used with permission)

Why gateways are important

- Allow interoperation with networks containing *unmodified* entities that are not WebRTC endpoints
- Examples:
 - Videoconferencing units
 - Telephones (of the copper-wire kind)
 - Cameras and other devices

Why gateways are special

- Represent multiple users
- May terminate security contexts
- Capabilities dependent on gatewayed-to domain
 - No sense in gatewaying data channels to a POTS phone network, for instance
- Usually available at fixed points in network

What the draft says

Very little!

- Notes that gateways are not full-fledged WebRTC endpoints
- Notes that signalling is out of scope for the spec, but will have to be handled by a gateway
- Permits ICE-lite and omitting datachannel

What it might say

- (your idea here)
 - relaxed codec requirements
 - relaxed RTP (bundle, rtcp-mux) - or not?
 - are there congestion-control things we should say?
- Gateways will differ.
 - Need to have requirements that apply to all.
 - Need to be careful about not requiring more than needed.
- Thinking about gateways is good (for UAs too)

Call for adoption as WG draft?