

draft-ietf-wish-whep-02

<https://datatracker.ietf.org/doc/html/draft-ietf-wish-whep-02>

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Changes from whep-02 to whep-00

- **whep-01 to whep-00**
 - Backport WHIP-14 changes (missing WHIP-15 ones)
- **whep-02 to whep-01**
 - Only expiration date update and some minor typos

SCTE-35 events for client side ad insertion

- SCTE-35 is widely used for client side ad insertion
(<https://account.scte.org/standards/library/catalog/scte-35-digital-program-insertion-cueing-message/>)
- It allows base64 serialization, so can be used as is in an SSE event easily.
- Proposal:
 - Add a new `scte35` event to support server side ad insertion

```
HTTP/1.1 201 Created
Content-Type: application/sdp
Location: https://whep.example.org/resource/213786HF
Link: <https://whep.ietf.org/resource/213786HF/sse>;
      rel="urn:ietf:params:whep:ext:core:server-sent-events"
      events="active,inactive,layers,viewercount, scte35"
```

- Event payload is the base64 scte35 message

```
event: scte35
data: /DA8AAAAAAAAAAP///wb+06ACpQAmAiRDVUVJAACcHX//AACky4AMEERJU0NZTVdGMDQ1MjAwMEgxAQEMm4c0
```

Hybrid WebRTC and MPEG-DASH playback

- Interest in combining WebRTC and MPEG-DASH playback
 - Deliver real time stream via WHEP
 - Watch from beginning/Time shifted/Rewind/replay via MPEG dash
- Some work was done at MPEG DASH-IF report (<https://dashif.org/webRTC/report.html>)
- Best approach seems integrate WHEP playback URL in MPEG DASH manifest
- Proposal: Send a liaison statement to DASH-IF to collaborate on this topic.

Next steps

- Add scte35 and reconnect events
- Add details for the json formats for the active,inactive and layer events
- WGLC before next IETF meeting