W3C Media & Entertainment Interest Group Meeting

2 July 2024

Agenda

Date and time
2 July 2024, 14:00-15:00 UTC

IRC
https://irc.w3.org/?channels=#me

IRC Guide
https://www.w3.org/wiki/IRC

Code of Conduct
https://www.w3.org/Consortium/cepc/

Agenda

- Welcome
- CTA WAVE liaison: Streaming Media Test Suite – Devices
- Media WG and HDR updates
- IETF SCONEPRO
- DASH-IF special session on Content Authenticity and Provenance in DASH
- TPAC 2024 Plans
- AOB

CTA WAVE liaison

- See email to MEIG mailing list
- Previous presentation to MEIG at TPAC 2023
- We have invited CTA WAVE to a joint meeting to present and discuss

Demo at Media Web Symposium 2024

Media Working Group update

- Encrypted Media Extensions
  - EME v2 First Public Working Draft in progress
  - Publish HDCP Version Registry

- Publishing all EME and MSE Registries to /TR
  - MSE Byte Stream Format Registry (WebM, ISO BMFF, MPEG-2 TS, MPEG Audio)
  - EME Initialisation Data Registry (CENC, Key IDs, WebM)
  - EME Stream Format Registry (CENC, WebM)

- WebCodecs VideoFrame Metadata Registry
  - Two entries to support Web RTC use cases:
    - Human face detection metadata
    - Background segmentation (e.g., for background blur or removal)

HDR update

- PNG Working Group
  - PNG v3 with HDR support at Candidate Recommendation

- Color on the Web CG
  - Next meeting: Tuesday 9 July at 16:00 UTC
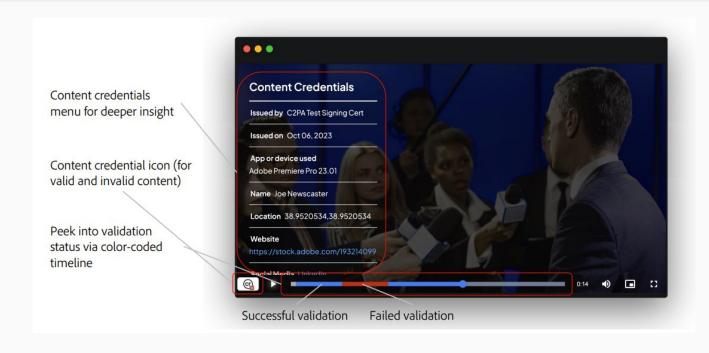   - Review TAG feedback on current HDR Canvas proposal

IETF SCONEPRO

- "Secure Communication of Network Properties"

- Goal: In adaptive-bitrate video streaming, enable the network can signal to the client the bitrate it should be using
  - Maintain throughput at acceptable video quality
  - Apply network operator policies and network conditions

- Discussion in Web & Networks IG meeting: minutes

- Early stage discussion at IETF in March 2020
  - Meeting resources: https://datatracker.ietf.org/meeting/119/session/sconepro
- Documents: https://datatracker.ietf.org/wg/sconepro/documents/

- If a network protocol is developed in IETF, how to should it be exposed to web applications?
- Seems related to Managed Media Source quality attribute proposal in MSE v2

DASH-IF special session on Content Authenticity and Provenance in DASH

- Presentation from Adobe to June 7 DASH-IF open meeting
  - C2PA
  - Creator Assertions Working Group
  - Investigations with DASH.js
    - Plug-in implementation
    - "Native" (i.e., within DASH.js) implementation
  - Browser integration via HTML <video> and MSE?

- Meeting recording and slides on the DASH-IF website

DASH-IF special session on Content Authenticity and Provenance in DASH

Content credentials menu for deeper insight

Content credential icon (for valid and invalid content)

Peek into validation status via color-coded timeline

Content Credentials

Issued by C2PA Test Signing Cert

Issued on Oct 06, 2023

App or device used
Adobe Premiere Pro 23.01

Name Joe Newscaster

Location 38.9520534,38.9520534

Website
https://stock.adobe.com/193214099

Social Media LinkedIn

0:14

Successful validation   Failed validation

TPAC 2024 plans

- TPAC 2024 is 23-27 September in Anaheim, California
- Schedule for MEIG and Media WG:
  - MEIG
    - Monday 23 Sep 09:00 - 10:30 MEIG meeting
    - Monday 23 Sep 11:00 - 12:30 MEIG and TT WG joint meeting
    - Thursday 26 Sep 16:30 - 18:00 MEIG and APA WG joint meeting
  - Media WG
    - Monday 23 Sep 14:00 - 16:00 Media WG and Immersive Web WG joint meeting
    - Thursday 26 Sep 11:00 - 12:30 Media WG meeting
    - Thursday 26 Sep 14:00 - 16:00 Media WG and Web RTC WG joint meeting
    - Thursday 26 Sep 16:30 - 18:00 Media WG meeting
    - Friday 27 Sep 09:00 - 10:30 Media WG meeting
  - Timed Text WG, Audio WG, Second Screen WG will also meet

Thank you!