

W3C WebRTC Media Capture

Screen Share

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Recap

- Extension to gUM to enable acquisition of a users display as a video stream.
- Scope
 - Enables:
 - Application share
 - Desktop share
 - Browser/Tab Share
- Considerations:
 - Security
 - User awareness
 - API Extension Definition

Status

- Initial Draft Sept 2014
 - Discussed at TPAC
- FPWD February 2015
 - <http://w3c.github.io/mediacapture-screen-share/>
- Currently reviewing open issues and updating
 - <https://github.com/w3c/mediacapture-screen-share/issues>

Issue #28 Permissions API

- #28 Permissions API interaction
 - Open Discussion
 - Do what gUM does
 - Do nothing – no persistent permission

Issue #4 User Consent

- #4 User Consent
 - Active User Consent
 - Don't allow for persistent consent
 - Elevated Permissions
 - Sharing browser
 - Sharing entire desktop including browser

Application Sharing v's Window Sharing

- Application Sharing v's Window sharing
 - #25 handling multiple window areas
 - #27 browser as a shared window type
 - #2 application v browser
 - #9 hazard with application sharing
 - #16 share specific surfaces

Backup

Some Issues for Discussion

- #28 Permissions API interaction
- Application Sharing v's Window Sharing
- #4 User Consent

Terminology

- Share display surfaces:
 - Screen
 - Entire physical display e.g. desktop
 - Window
 - Single Application Window
 - Browser
 - Single Browser or Tab within browser