

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>

Some Issues for Discussion

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

Issue #28 Permissions API

- #28 Permissions API interaction
 - Open Discussion
 - How does screenshare provide feedback to Permissions API
 - Request share permission?
 - Check share status.
 - May need additional permission inputs?

```
enum PermissionName {  
    "share"  
};
```

```
dictionary SharePermissionDescriptor: PermissionDescriptor {  
    boolean screenshare = false;  
};
```

```
enum PermissionState {  
    "requested"  
};
```

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

Issue #4 User Consent

- #4 User Consent
 - Active User Consent
 - Elevated Permissions

Backup

Terminology

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