

Screen Sharing

TPAC '14

Goal

- Create media streams ...
- ... from what is displayed on screen*

Preview

- `navigator.mediaDevices.getUserMedia({
 video: true,
 source: "display"
}).then(...);`

Scope

- Capture various display surfaces as streams
- Video is #1
- Want to allow audio & depth ?

Taxonomy/Terminology

- Sharing sources:
 - monitor, screen, or display (physical device)
 - window
 - application (at risk!)
 - browser tab or window
- These names are BAD

Logical or Visible

- On some platforms windows can be occluded by other other windows or completely hidden
- Sharing the logical surface can produce surprising results
- On some platforms hiding is the only way to have things work (think mobile devices)
- Draft proposal recommends making different decisions for logical vs. visible surfaces

Security

- Yeah, yeah, we know, it's a tragedy
- I suggest that we have this in hand