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Discovery in W3C

Telecom ParisTech Position Paper
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Discovery in W3C: reminder

■ Web and TV IG, Home Network TF requirements

- discovery is required
- key to many usages in the home
- UPnP and Bonjour compatibility, including legacy devices

■ Device API WG

- Web Intents: withdrawn
- Network Service Discovery
 - current spec is limited
 - yet browsers won't implement it (because of UPnP legacy)
 - using CORS makes it incompatible with legacy devices
 - spec more or less stalled

Discovery in W3C: what now ?

- **Option 1: hide URLs and IPs, manage messaging**
Discover with UPnP and manage the communication so that IP are not revealed and communication is constrained to valid UPnP messages, or XHR proxied by the discovery module
- **Option 2: just make browsers mutually discoverable**
forget about UPnP and just make other browsers discoverable, creating a subset of safe entities that can discover each other and communicate, network of cooperating web apps. But what of Media Servers, Media Renderers (TVs), Printers, etc ?
- **Option 3: define safe entities à la webscreens**
design specific protocols for the discovery of those safe entities; such safe entities could include MediaRenderers, MediaServers...
- **Option 4: use object sharing**
another kind of safe entity
- **Other ideas ?**