



WEB CRYPTO WG

- *Web Crypto WG is a 74 WG participants*
 - *65 participants from 27 organizations*
 - *9 Invited Experts*

- *Major deliverables are*
 - **Use cases** <https://dvcs.w3.org/hg/webcrypto-usecases/raw-file/tip/Overview.html>
 - **Web Crypto API** <https://dvcs.w3.org/hg/webcrypto-api/raw-file/tip/spec/Overview.html>
 - **Web Crypto Key Discovery API** <https://dvcs.w3.org/hg/webcrypto-keydiscovery/raw-file/tip/Overview.html>

WHERE IS WEB CRYPTO ?

- *Web Crypto API is getting out of Last Call*
 - *On 3rd Nov 2014 after loooong and interesting debates*
 - *(please applaud editors **Mark Watson** from Netflix and **Ryan Sleevi** from Google)*
- *Implementations have already started*
 - *Netflix plugin*
 - *Safari, Chrome, Firefox, IE*
- *Next Web Crypto API version is already discussed*
 - *Inside the WG*
http://www.w3.org/2012/webcrypto/wiki/WG_Future_Work
 - *During the Web Crypto Next Workshop held in September 2014*

WEB CRYPTO & WEB PAYMENT?

- *Potential overlap of area*
 - *Identity, Authentication, Security*
- *What will Web Crypto address soon, which could be of interest for Web Payment*
 - Minimize risk in identifying users by building on top of the Web Cryptography API implemented by **all** major browsers, including hardware tokens, smartcards, biometrics, mobile, two-factor authentication, Secure Elements, SIM or UICC, etc. Explore possible mechanisms for Trusted UI. ntication to secure-elements, to smartcard-based authentication

WEB PAYMENT & OTHER SECURITY AREA?

- *W3C security area*
 - *Is not only Web Crypto WG*
 - *Is described here*
https://www.w3.org/Security/wiki/Main_Page
- *Web Security IG*
 - *To review the security*
 - <http://www.w3.org/Security/wiki/IG>
- *Web App Sec WG*
 - *To deal with web app security model*
 - <http://www.w3.org/2011/webappsec/>
 - *Kicking off credential API*
<http://mikewest.github.io/credentialmanagement/spec/>

THANKS !

Keep in touch ?

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