Adding YubiKey Support to Brave for iOS

by Brave | Jun 24, 2019 | Announcements, New Features, Security & Privacy

We're excited to partner with Yubico to bring YubiKey support to Brave for iOS. Yubico is the leading provider of hardware authentication security keys — devices which protect logins to online accounts from phishing, man-in-the-middle, and other threats of account takeover.

Unlike a code entered from a text message or an app, security keys such as the YubiKey not only authenticate you with a single touch, but also verify the identity of the site you're logging into. A spoof site with a misleading domain name might be enough to occasionally trip up a person, but can't fake the cryptographic handshake used in the U2F and WebAuthn protocols supported by the YubiKey.

With Brave's support for Yubico's upcoming YubiKey 5Ci devices, with both a USB-C and Lightning connector on a single device, you

will soon be able to use the same robust security key across multiple devices, including iPhones and iPads. This allows for the removal of less safe login methods and greatly reduces the risk of phishing on protected accounts, no matter what device you're logging in from.

We're thrilled to have been able to work with Yubico on the YubiKey for Lightning Private Preview Program (now expanded to the YubiKey for Lightning Partner Preview Program). With early access to Yubico's open-source SDK for iOS and prototypes of the hardware now called the YubiKey 5Ci, we were able to collaborate with the Yubico team to bring security key support to an iOS browser for the first time.

"The Brave browser integrates privacy and security features by default, and offering phishing-resistant authentication with the YubiKey to our users is a natural evolution in our mission to deliver a browser that serves the user first," said Brendan Eich, CEO and co-founder of Brave Software. "We're pleased that websites with strong U2F or WebAuthn authentication support will work in Brave on iOS devices, allowing the same durable hardware security key to protect accounts on any device. It's exciting to see Yubico deliver their open source iOS SDKs and for the program to reach even more developers."

"Yubico is excited to welcome Brave into our Works With YubiKey Partner Program. With a shared vision to deliver strong privacy and security online, our partnership is a natural fit," said Stina Ehrensvard, CEO and Founder, Yubico. "With the addition of WebAuthn support, Brave is now the latest web browser equipped to deliver strong authentication, giving users across the web more choice and enabling relying parties the ability to offer a consistent user experience across browsers and platforms, including iOS."

Brave's support for YubiKey 5Ci security keys will be demonstrated at Identiverse in Washington, D.C. this week (June 25-28), so stop by the Yubico booth (#417) for a live look. YubiKey 5Ci devices will be available for purchase from Yubico later this year.

Use Yubikey & Brave to authenticate securely

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ll issue a full rebuttal of Ryan and his employer's accusa

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on of how "IAB Europe is confident that the way it obtai

its website complies with the requirements of the law".

been transferred to the Belgian Data Protection Authority

answers from IAB Europe.

Response to IAB Europe statement on its failure to answer the Irish Data Protection Commission

Dr Johnny Ryan responds to a statement from IAB Europe regarding its failure to answer the Irish Data Protection Commission. Four months on, both I and the Data Protection Commission are still waiting for the first explanation of how "IAB Europe is confident that the way it obtains consent for the use of cookies on its website complies with the requirements of the law".

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I AGREE

IAB Europe fails to answer Irish Data Protection Commission

IAB Europe fails to answer questions from Irish Data Protection Commission arising from formal GDPR complaint by Brave's Dr Ryan against IAB Europe's "forced consent" and consent walls.

A summary of the ICO report on RTB – and what happens next

This note summarizes the ICO report on real-time bidding, which vindicates the GDPR complaints initiated by Brave, and points toward the solution.

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