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eID tulevikutrendid

Tarvi

eID teemad

- Saladuse kandja (võtmehoidla)
 - Fail
 - Kiipkaart
 - USB pulk
 - Telefon
 - ...
- Kandja seostamine isikuga/firmaga
 - Riik
 - E-teenus
 - Tööandja
 - Sõpruskond
 - Sotsiaalmeedia



World Passport

Blockchain Passport - Proof of Existence & World Citizenship



<https://keybase.io/Satoshi>



8181 3268 159E 51D1

Given Name

SATOSHI

Last Name

NAKAMOTO

Time Stamp

20141017-13:40UTC

Block #325,789

e251dcf4d45370606c3c45092432f7068e6951ef6fa44835

Expires

Block #378,349

<0x159E51D1<<RSA<<2048/4096<<AES256<

[illegible]

ahead Wichita
mural potato
spindle letterhead
minnow inventive
backfield onlooker

standard torpedo
endorse visitor
crowfoot Brazilian
checkup gravity
drunken scavenger



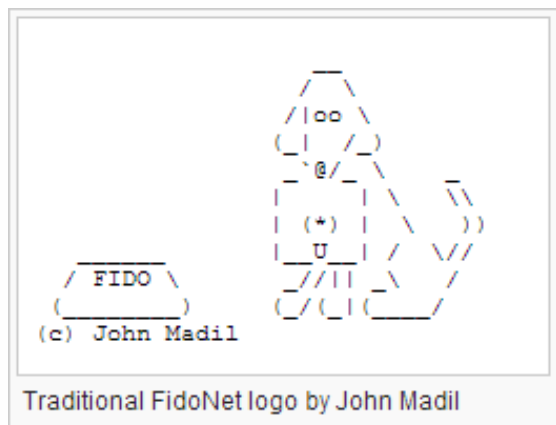


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Mis loom on FIDO?

Ja mida ta sööb?

Koer?



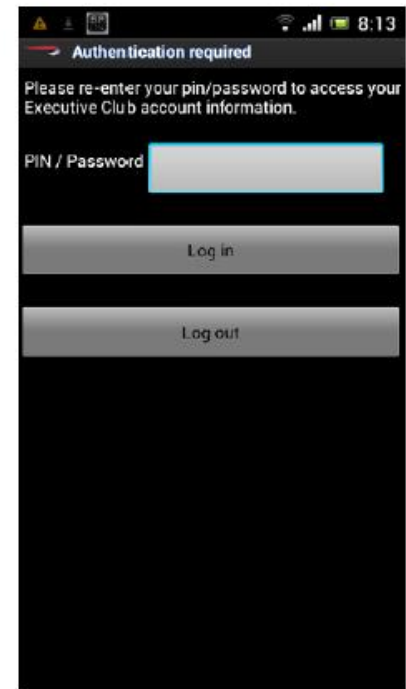
FidoNet: Tom Jennings'i 1984.a. loodud modemisidel põhinev võrk, 1993 oli süsteemil ca 4 miljonit kasutajat. Eestisse jõudis 1990. Vt ka BBSummer, Tarmo Mamers, koerapoeg, BBVanakesed, WC Fauna, Mast, Sulo Kallas.

Õige! Aga on ka teisi seletusi



FIDO == Fast IDentity Online

Milles on probleemi?



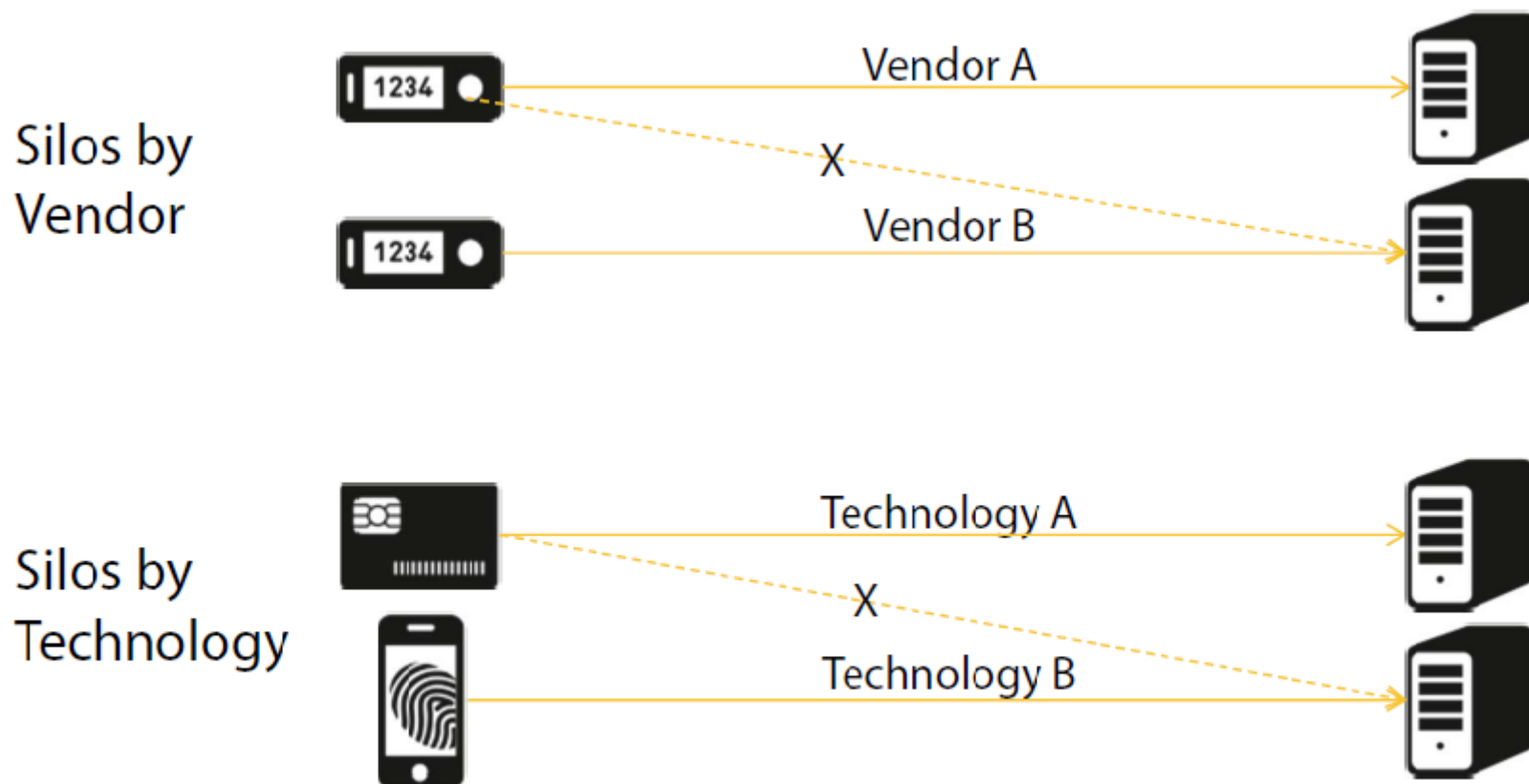
Kiviaja autentimine

- (unustage korra PKI: ID-kaart ja mID)
- Ikka peab põhiliselt parooli panema
- Isegi koodikaardid pole turvalised
- Kui on ka mingi kangem autentimisvahend, siis ikkagi saab sisse ainult ühte teenusesse

Samas on meil igasugu jublakaid



Silotornid...



Iga uus autentimismeetod tahab juurdeehitust

FIDO eesmärgid

- Toetada laia ringi autentimismeetodeid kasutades ära olemasoleva riistvara võimalusi
- Toetada erinevaid turvatasemeid, samas kommuniqueerides TeenusePakkujale, määratud autentimist kasutatakse
- Sisse-ehitatud privaatsus

Kahte sorti FIDO-t

PASSWORDLESS EXPERIENCE (UAF standards)



SECOND FACTOR EXPERIENCE (U2F standards)

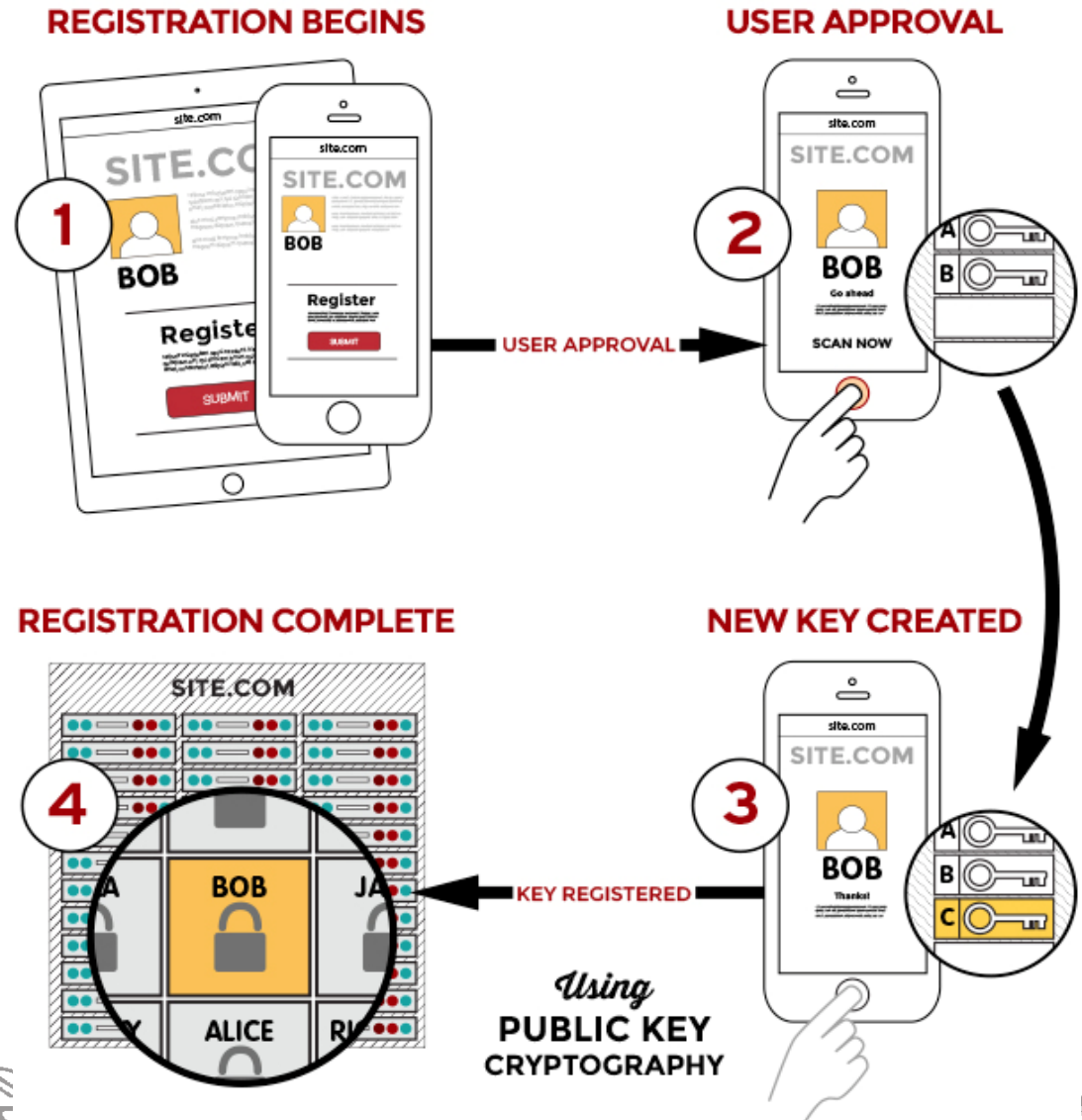


Biomeetriline

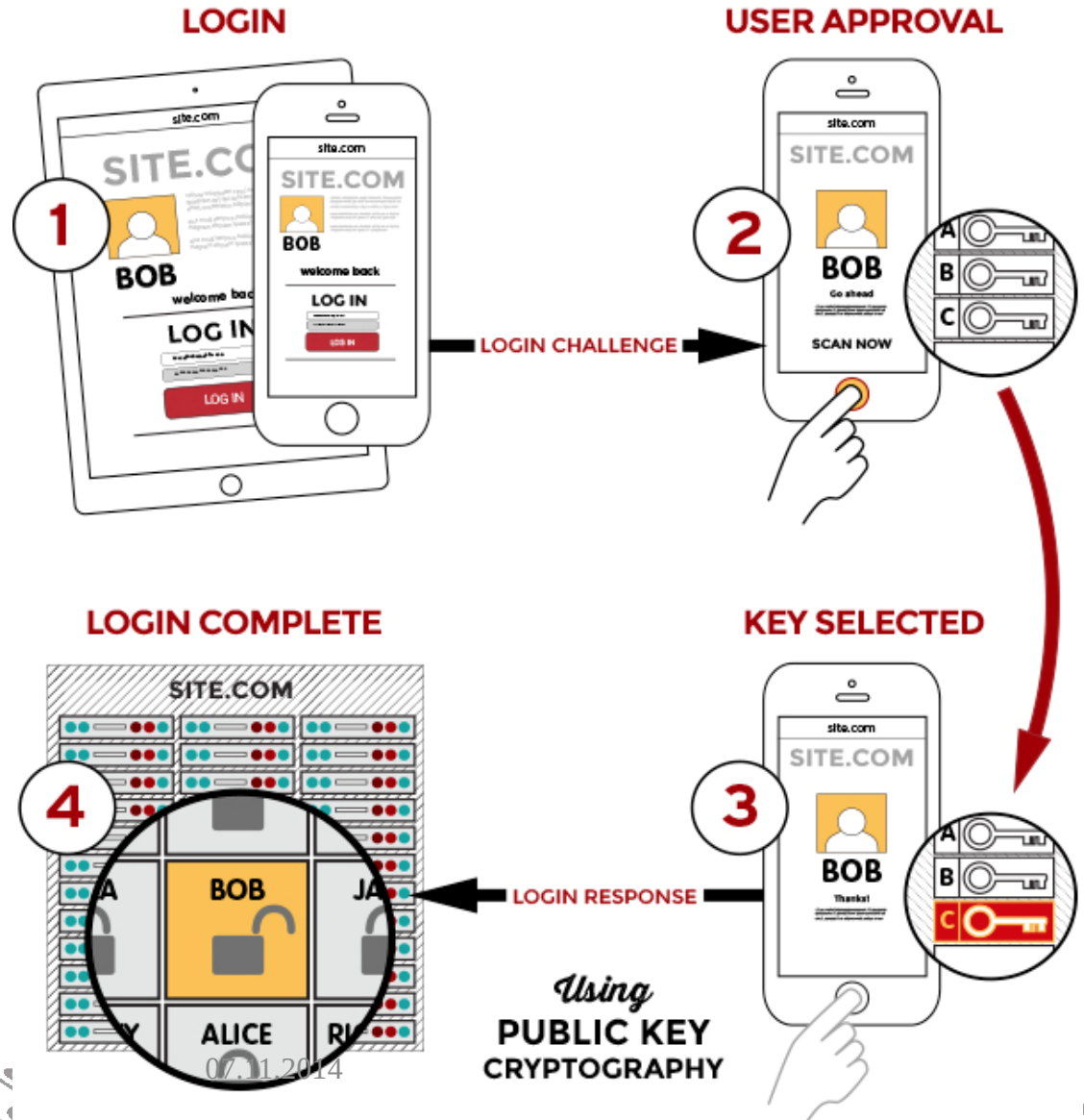
Jublakaga

Mõlemal juhul võib lisaks küsida PIN-i

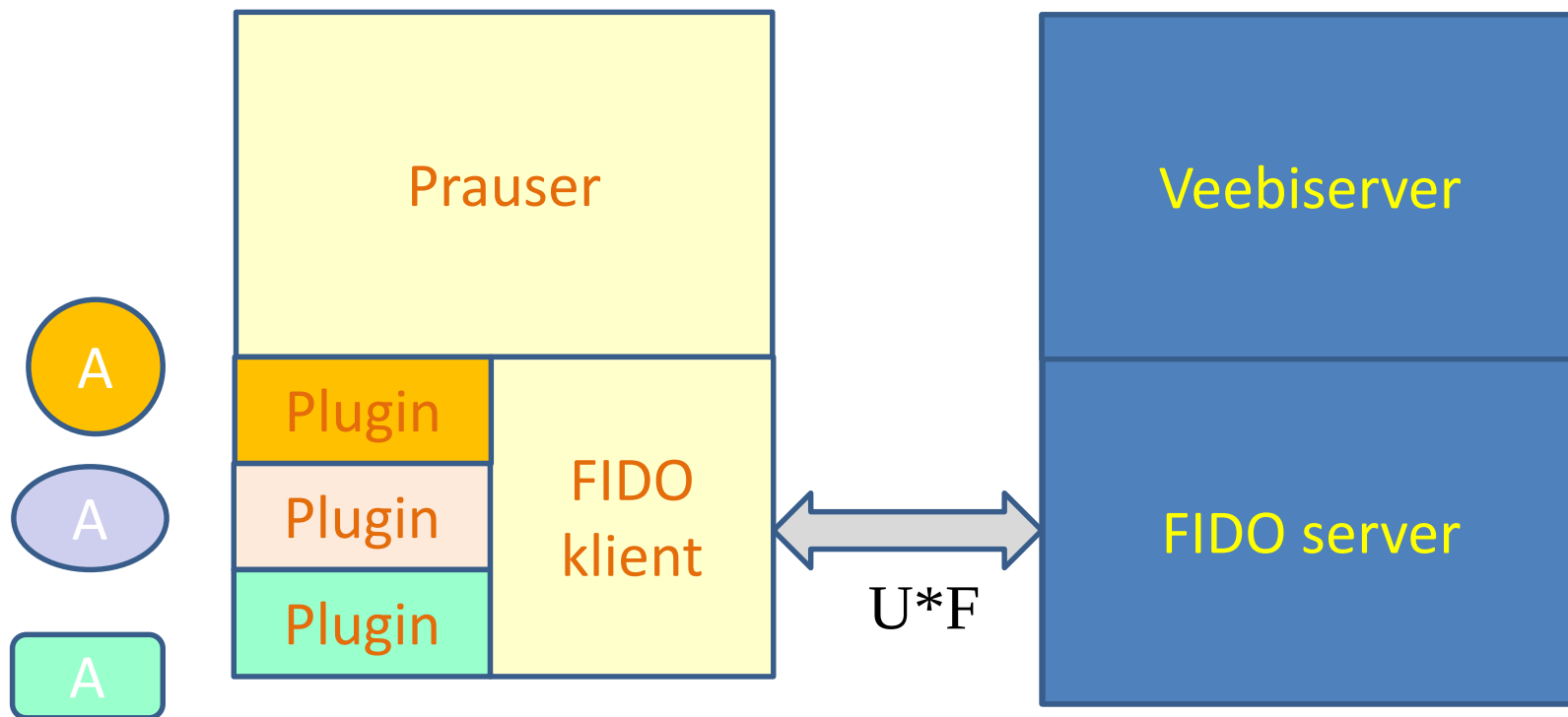
Registration



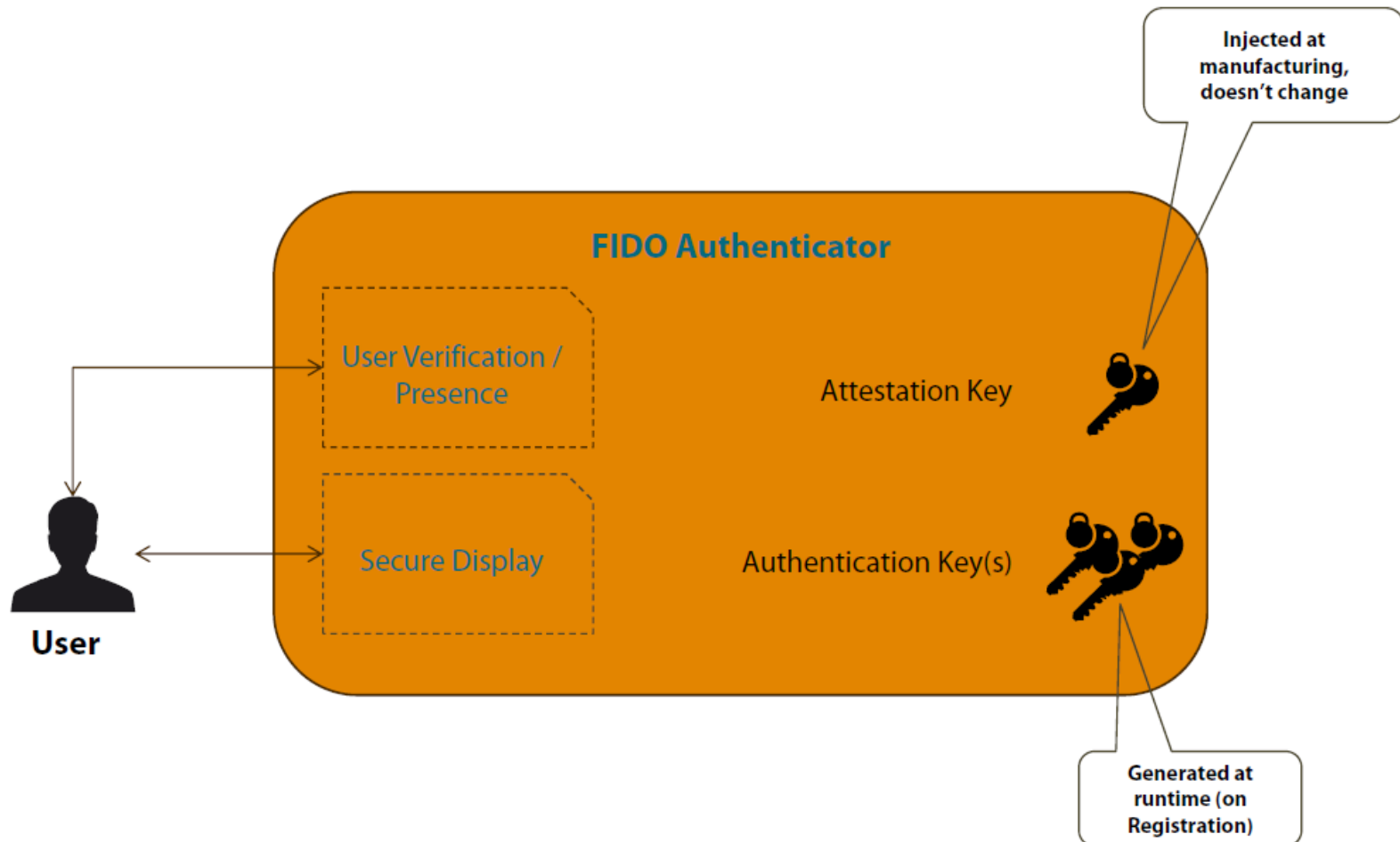
Kasutamine



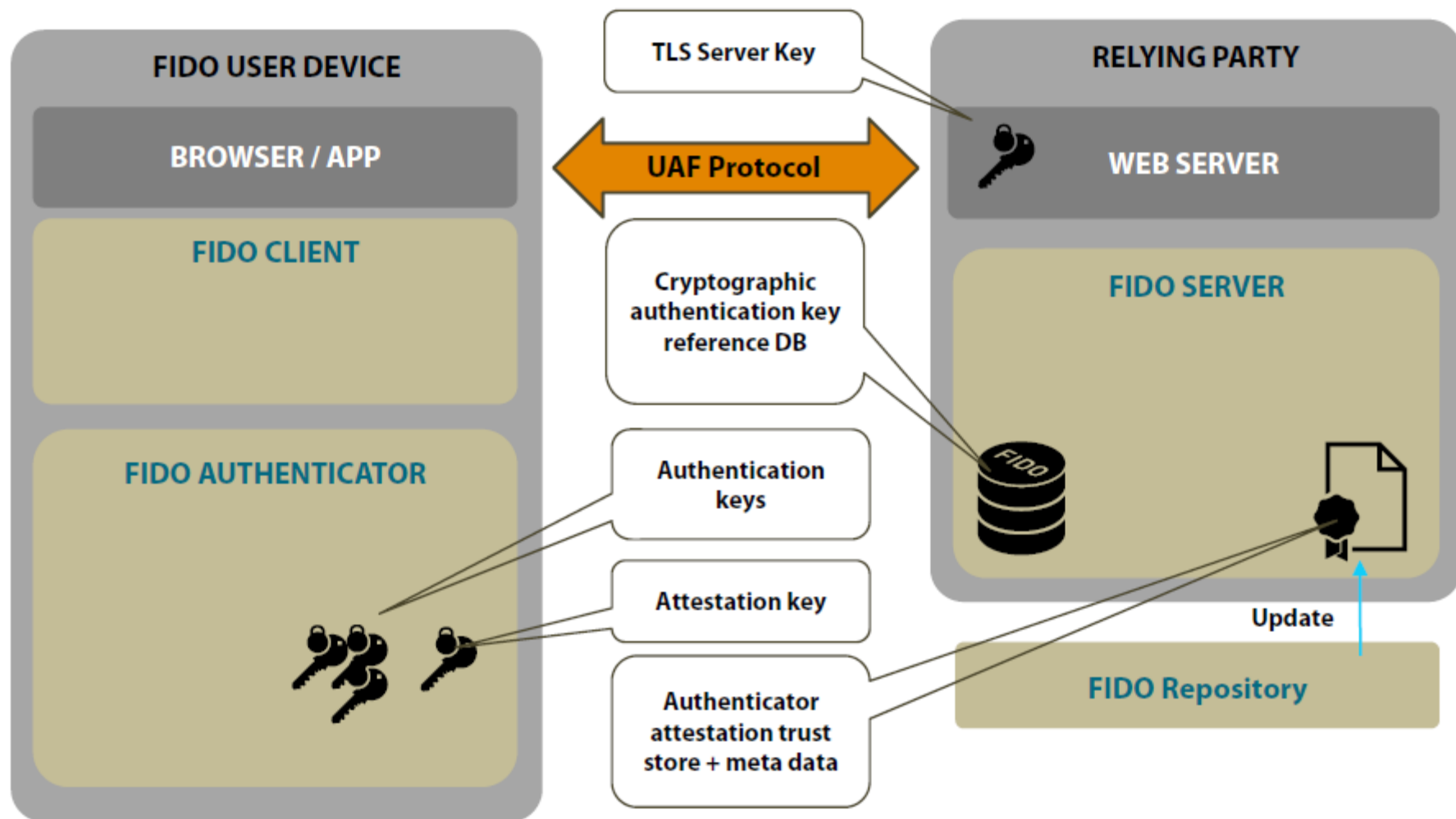
Lihntne pilt



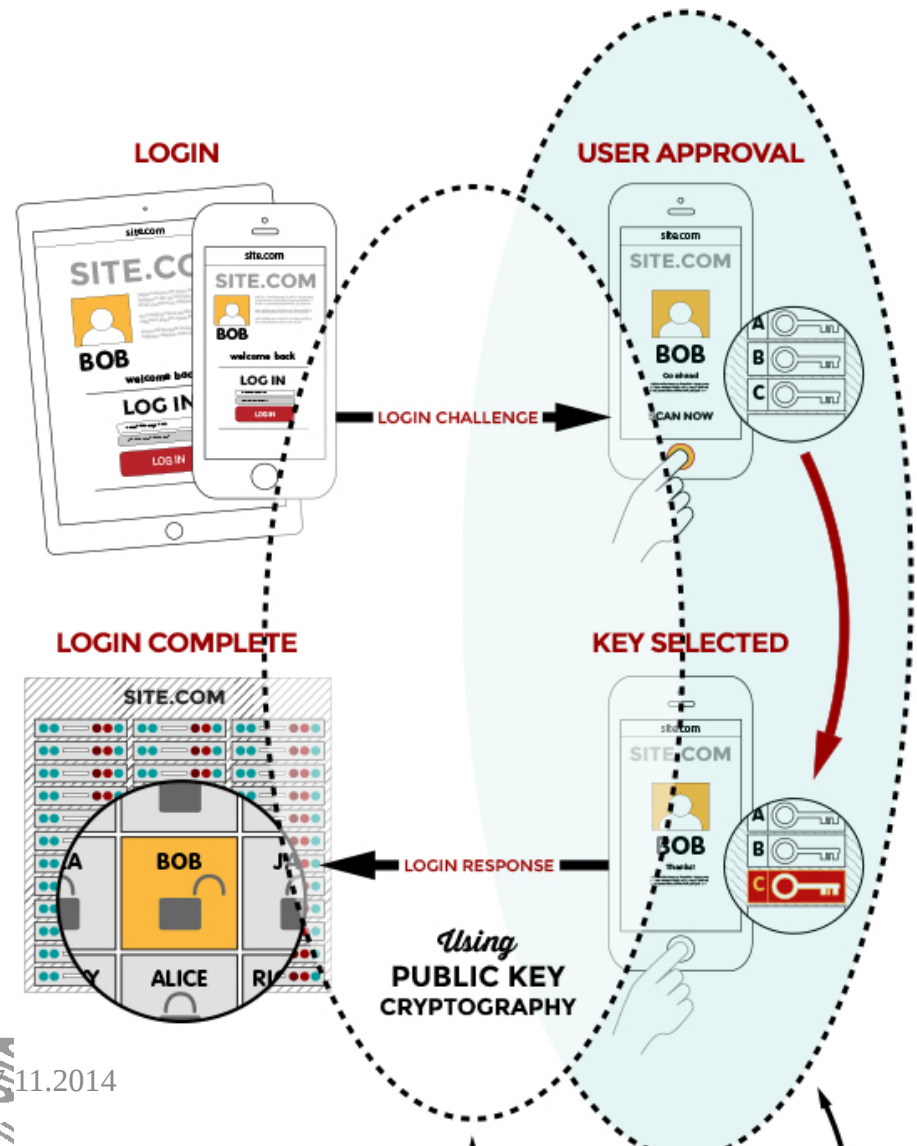
Auntentikaator



Keerulisem pilt



Mida FIDO standardib?



FIDO Alliance liikmed

FOUNDERS



AFTER FEB.
2013



A Physical Key to Your Google Account

Google says using a small USB stick to vouch for your identity is more secure than either a password or conventional two-factor authentication.

By Tom Simonite on October 21, 2014



Opting in to Google's latest security upgrade requires a spot on your keychain for a device known as a security key.

The small USB stick provides added protection for a Google account. Once a key is associated with your account, you'll be prompted to insert the device into a computer each time you enter a password to log in – or, if you prefer, once a month on computers you use frequently. Touching a button on the security key triggers a cryptographic exchange with Google's login systems that verifies the key's identity. Security keys [can be bought](#) from several security hardware companies partnered with Google, for a little less than \$20.

Google says using a security key like this one in addition to a password provides a better way to secure an

[The new approach](#) is primarily aimed at the security-conscious. But the technology involved lays the groundwork for physical devices that displace passwords altogether, says Mayank Upadhyay, a security engineer at Google.

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FIDO U2F Security Key

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International Shipping

☐ AmazonGlobal Eligible

Eligible for Free Shipping

Free Shipping by Amazon

Keyboard Interface

☐ Wireless

☐ PS/2

☐ USB

☐ Bluetooth

☐ Infrared

Keyboard Color



Related Searches: [fido u2f](#), [security camera system](#), [u2f security key](#).



FIDO U2F Security Key

by Yubico

\$17.99 Prime
Get it by **Thursday, Nov 6**

★★★★★ ▾ 33

FREE Shipping on orders over \$35

Product Features

FIDO U2F dedicated device (supports U2F protocol only)

[Electronics: See all 17 items](#)



YubiKey NEO

by Yubico

\$50.00 Prime
Get it by **Thursday, Nov 6**

★★★★★ ▾ 3

#1 Best Seller in Security Access-Control Keypads

FREE Shipping

Product Features

Multi-protocol authenticator with support for FIDO U2F, OTP, and more

[Electronics: See all 17 items](#)



FIDO U2F Security Key

by Plug-up International

\$5.99 new (1 offer)

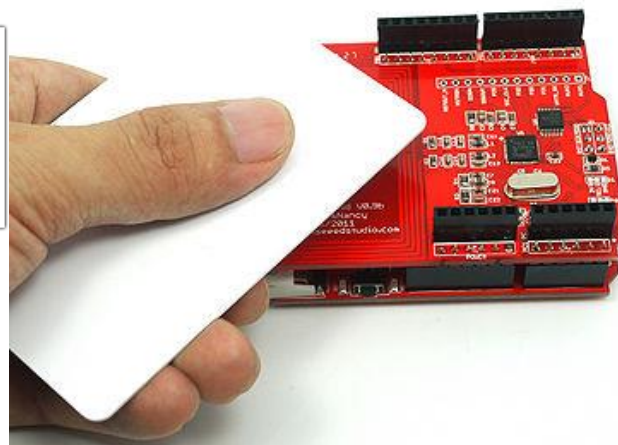
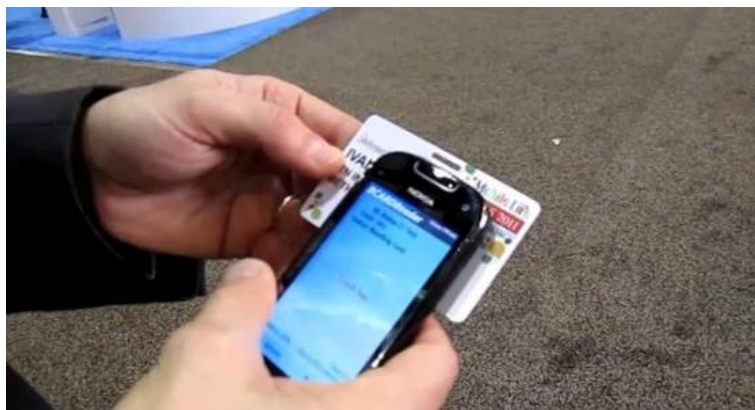
★★★★★ ▾ 13

Product Features

USB FIDO U2F Ready hardware second factor solution based on a ST23YT66

[Electronics: See all 17 items](#)

Järgmine Eesti ID-kaart?



ECC





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Tänu!