

What is FIDO and what problems does this organization address?

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FIDO is an authentication company which uses public key cryptography techniques to provide stronger authentication. When you register with the company you have to use approval with either finger print, second – factor device or pressing a button. Then that's when your public key pair is created. It is better protection and it's different because when you log back in when you're authenticating it verifies it by asking you to sign a challenge making you prove that you own that private key. They can also use biometrics which includes finger print, voice, face, iris, etc. and second factor devices can be plugged in. They address user privacy and wanting to protect it minimizing the dependency on passwords. By using this it helps you not depend so much on passwords by using multiple ways to verify yourself. They also address that users don't like "strong authentication" procedures such as two factor logins, their system telling them to reset their password, etc. and they are right about that. So, they want to make something more secure and better accessible for consumers. In their mission one of their bullets states that they want to ensure successful worldwide adoption of these specifications (Rivera, 2018). Which that is also a problem because if a certain company uses something like this they might not want you to have this in your home for your benefit or if you do use it you want to make sure that you are secured. They are recreating the use of authentication by getting companies to do away with passwords and to try FIDO Alliance to better secure the web. So, they are also working on removing passwords from the internet of things which will make it more secure for you and become less hackable. All in all, FIDO is on the right track to transforming the way we secure things by going password less and making PKI more accessible and simpler for the consumers.

Reference:

Open Authentication Standards More Secure than Passwords. (n.d.). Retrieved from <https://fidoalliance.org/>.