Google open-sources the tools needed to make 2FA security keys

It wants to promote more widespread adoption of the technology.

Security keys are designed to make logging in to devices simpler and more secure, but not everyone has access to, or the institution to use, them. Until now. Today, Google has launched an open source project that will help hobbyists and hardware vendors build their own security keys, and contribute to the technology's ongoing development.

The initiative, called OpenSK, uses Rust-based firmware to essentially turn Nordic chip dongles into FIDO U2F and FIDO2-compliant security keys. Google has also published a source code for an open source library to support the physical dongle for the dongle, so their security keys look and can be used like standard keys.

In a blog post, Google said it chose Nordic chip dongles because they're affordable and support all the criteria stipulated by FIDO standards, such as FIDO and Bluetooth Low Energy. Moreover, the company is hoping to expand OpenSK to other chips as well.

By making these resources available to everyone, Google is helping to advance the password-less security field — people debating whether their own projects need to be more open.

While you can make your own fully functional FIDO2 authentication today — this release should be considered as an experimental research project to be used for testing and research purposes, according to the blog post. While you can make your own fully functional FIDO authentication today, this release should be considered as an experimental research project to be used for testing and research purposes. "Ralf Hafling, director of product management at Nordic, meanwhile, says he hopes the collaboration will "help the industry gain mainstream adoption of security keys."

Security: Google

In the article: FIDO, X, google, internet, mobile, nordic, open source,physical, personal computing, personal computing, security, security keys, services

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