

Nok Nok Authentication for IoT Devices

Written by Alice Marshall
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Authentication specialist Nok Nok Labs announces the Nok Nok IoT SDK bringing multi-factor authentication to both standard IoT devices and IoT devices connected to a cloud service via Nok Nok S3 Authentication Suite.



According to the company, the IoT SK enables flexible, easy-to-use and secure user-to-device authentication leveraging the Nok Nok history of passwordless customer authentication across mobile apps, mobile web, desktop web and smartwatches. It runs easily on existing microcontroller units, and meets security industry standards and global regulatory requirements for "no (shared) default passwords." It supports both standalone and cloud-connected devices, with two-factor authentication and support for all biometric modalities.

Additionally, as more IoT devices are introduced the Nok Nok authentication infrastructure lowers the cost and complexity of integrating new use cases. The Nok Nok S3 platform, in combination with the IoT SDK, allows organisations to address all authentication use cases through a single developer API, including mobile apps, mobile and desktop web apps, applications for wearables and IoT devices, all with support for FIDO and other global standards.

"Today, many devices contain default passwords that are identical across product lines, and for authenticating users to devices-- this is neither secure nor convenient. And, we are just now witnessing the first regulations banning such shared default passwords and promoting the use of individual default passwords or multi-factor authentication," the company adds. "As an inventor of FIDO specifications, Nok Nok addresses the need for standards-based authentication solutions, and we can bring this expertise to a new market and avoid repeating

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the weak username and password authentication practices of the past.”

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