

# S3 Authentication SDK

## Overview

Are you looking for a lightweight solution to add strong authentication to your server technology addressing enterprise or CIAM (Customer IAM) use cases? The Nok Nok™ S3 Authentication SDK is your toolkit to add FIDO authentication to web or mobile apps of any size. If you are a software engineer learning about FIDO and looking for a way to experiment, the Nok Nok S3 Authentication SDK is an ideal place to start. The Nok Nok S3 Authentication SDK adds open standards based strong authentication to any service. The S3 Authentication SDK package includes both server-side Java libraries and Nok Nok App SDKs on the client side to leverage biometric matchers and hardware root-of-trust to provide strong authentication for virtually all authentication scenarios.

## Benefits

### Open Standards Based Approach recommended by NIST

- No shared secrets between client apps and servers
- Reasonable and intuitive end user experience
- Renders remote scalable attacks ineffective
- Privacy-preserving approach to deploy biometric authentication

### Strong Authentication with Proven Track Record

- Founder company of the FIDO Alliance and a market leader in FIDO authentication
- Internet scale: Nok Nok software powers the largest FIDO deployments around the world
- Coverage for the widest array of mobile devices



## Nok Nok Labs Intelligent Authentication Platform

Manage all Channels through a Single Developer API



Android



Apple iOS



Cloud Services  
Internet of Things



Windows



Web Platforms

Integrate Once/Support Any Device and Any Modality



Any Platform



Any Authenticator



Any Application

## Capabilities

### Flexibility

- Embed into any existing authentication solution
- Maintain full control over the user experience
- Use data stores and containers of your choice
- Add new authentication modalities such as face or voice with little or no code changes
- New users and devices can be added without code changes
- Single SDK integration to support authentication on mobile apps and web applications

### Open Standards Based Strong Authentication

- Stateless multi-thread safe SDK with complete FIDO authentication functionality
- Dynamically adjust the authentication experience according to the threat model
- True transaction confirmation supports non-repudiation

### Simple Integration

- FIDO expertise is not required
- Manage authentication policies without code changes
- Sample working code included as reference

### Platforms Supported

- Android and iOS using Nok Nok App SDKs with support for Swift, Objective-C, and Java
- Any Web browser/OS combination supporting W3C Web Authentication (Chrome, Edge, Firefox on Windows, MacOS, Android, iOS etc.) using Nok Nok JavaScript SDK
- Any Server platform for your authentication back-end using the embeddable Nok Nok Server SDK with Java interface

## Case Studies

### Consumer Oriented Mobile and Web Apps

Companies in verticals such as financial services, retail and healthcare leverage the Nok Nok Labs' S3 Authentication SDK to protect their mobile and web apps to:

- Improved user experience and
- Reduced fraud

### Enterprise Employees and Partners

Enterprises use the Nok Nok Lab's S3 Authentication SDK to enable FIDO-based authentication in their existing authentication infrastructure to allow employees and partners to access resources

- Simpler and more secure
- Increased productivity

### ABOUT NOK NOK LABS

Nok Nok Labs, a founding member of the FIDO Alliance, offers authentication solutions for mobile and web applications.

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