



HYPR Showcases Commitment to Android Mobile App Security

NowSecure MASA validation and NowSecure Platform help SaaS vendor demonstrate compliance with industry standards.

About

HYPR creates passwordless multi-factor authentication solutions for enterprises to improve both security and customer experience. HYPR software enables users to log in up to 3x faster than password-based identity and access management, improving productivity and reducing the complexities of traditional passwords.

Executive Summary

HYPR leads the charge in creating a passwordless world, helping the workforce authenticate quickly and easily. Because its entire business revolves around security, HYPR invested in an App Defense Alliance (ADA) Mobile Application Security Assessment (MASA) validation and NowSecure Platform to achieve the following benefits:

- Ensure maximum security of its mobile app
- Solidify customer trust and improve standing among other mobile apps in Google Play
- Demonstrate compliance with and commitment to industry security and privacy standards

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— Aldo Salas, Application Security Lead, HYPR

The Story

The HYPR mobile app helps both consumers and enterprise employees log into their workstations faster, more easily and more securely than traditional authentication methods. People use HYPR to safely, seamlessly access their systems using smartphones, hardware tokens or computers.

In order for HYPR customers to feel confident using passwordless authentication solutions, the company must prove that the HYPR mobile app shields sensitive information. “From a mobile app security standpoint, making sure that we keep data secure is our main concern,” says HYPR Application Security Lead Aldo Salas. “We’re in the business of authenticating users.”

Partnering with NowSecure

As an Open Worldwide Application Security Project (OWASP) chapter leader for over seven years, Salas recognizes the importance of Google Play Data safety section requirements for privacy transparency. Mobile app developers who submit new mobile apps or update existing mobile apps for Google Play must self attest how they collect, share and secure data. Developers also have the option to independently validate the security of their mobile app with an ADA MASA review from an ADA Authorized Lab. These labs use the ADA MASA testing criteria based on the globally recognized OWASP Mobile Application Security Verification Standard (MASVS).

The MASVS offers guidance and best practices for securing mobile applications. OWASP MASVS focuses on seven specific domains: storage, cryptography, authentication, network communication, environmental interaction, code quality and resiliency against reverse engineering.

Salas knew that undergoing an ADA MASA validation from an ADA Authorized Lab would demonstrate the company's commitment to safeguarding sensitive information. The validation would also provide transparency and set the HYPR app apart from competitors in Google Play.

When companies have their mobile apps assessed by an ADA Authorized Lab, they receive an independent security review badge in the Google Play Store. This badge helps users easily identify mobile apps have been validated by independent experts to be safe and secure. The validated mobile app will also appear in the ADA online directory, where users can review the entire report in detail.

"ADA MASA validations are important because they give customers peace of mind," Salas says. "It's great to see that Google has a program to set mobile applications apart. For me, this is a big differentiator...customers can publicly see that this application doesn't have any major security issues."

Salas chose NowSecure as his company's ADA Authorized Lab because it's the sole mobile-first, mobile-only member of the ADA and HYPR would also gain access to NowSecure Platform automated mobile application security testing software. The solution provides fast, accurate static, dynamic, interactive and API security testing of Android and iOS binaries.

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— Salas

Performing continuous mobile AppSec testing in the dev pipeline enables security and development teams to find and fix security issues prior to future releases, while ensuring faster ADA MASA verification. Featuring native integration with popular dev tools, NowSecure Platform provides embedded remediation assistance with code samples and links to developer documentation to speed remediation. "Value-based pricing was one of the reasons why we went with NowSecure.

Combined with the ADA MASA validation, we also have the added value of NowSecure Platform automated testing," Salas says. "That really helped us make our decision."

A Smooth Validation Process

While the HYPR mobile app includes complex anti-tampering security features to protect itself from attackers, NowSecure experts also needed to test it for ADA MASA and NowSecure Platform automation. To enable testability for automation, Salas and his team built a preproduction version of the mobile app that leaves out anti-tampering, root detection and other security features used with NowSecure Platform.

Salas and his team felt reassured when the NowSecure Services team failed to find major security issues with the HYPR mobile app during the ADA MASA validation. During the assessment, they were impressed by the NowSecure Services team's experience and expertise.

"During the ADA MASA validation process they had some questions about whether we were using some components for the test cases that failed. Salas says. "Once we provided those answers, we were good. We didn't need to remediate anything."

Enjoying Efficiency Gains

After a successful validation, Salas and his team now benefit from NowSecure Platform automated mobile application security testing. "Continuous testing is a really big thing for us," he says. "Before NowSecure, we were not doing continuous and automated testing relating to mobile application security. But since we started continuous testing, it's added a lot of value to our company."

Salas also appreciates the support of the NowSecure Services team when security issues arise. "I had a few times that I needed to contact them for support, and overall I had a very good experience," Salas says. "The team is really patient and knowledgeable. They're able to answer all my questions."

HYPR taps NowSecure Platform to frequently test its mobile app and maintain resiliency from threats. "We're continuously making the product battle tested and secure by default," Salas says. In the future, integrating automated testing directly into the dev pipeline will increase efficiency helping the company quickly find and fix security issues as devs build code.

[NowSecure](#) offers a comprehensive suite of automated mobile app security and privacy testing solutions, penetration testing and training services to reduce risk. Trusted by many of the world's most demanding organizations, NowSecure protects millions of app users across banking, insurance, high tech, retail, healthcare and government. The company is SOC2 certified and was named a mobile security testing leader by IDC and a DevSecOps transformational leader by Gartner. Visit www.nowsecure.com to discover strategies for strengthening security and speeding the development of high-quality mobile apps.