



## SAP Enables Phishing-proof, Centralized, Passwordless Web Authentication with Hanko

Hanko helps ERP software giant implement fully compliant and functional UID test environment with FIDO2 authenticators in weeks to prevent fraud while ensuring user-friendliness

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With the help of Hanko, we were able to prove the feasibility of our vision for a passwordless login at UID in terms of technical implementation as well as usability on all major operating systems such as Windows, macOS, iOS, and Android.

**Michael Braun,**  
IT Chief Product Owner of Identity &  
User Management at SAP

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Case Study



## The Business Challenge

SAP's Universal ID (UID), a unified account that allows users to have centralized, seamless access to all SAP accounts, had a single challenge – if the password was compromised, attackers could gain access to several SAP accounts at once. While the cutting-edge concept of the “Apple-ID for everyone in the SAP world,” driven by a single set of login credentials represented by an email address and password, offered users immense convenience, there was an urgent need for reinforced security to prevent fraud and theft of sensitive data. With remote workforces picking up explosive momentum, the urgency was compounded multiple-fold.

Since biometric access, which has been proven to be the most secure way to safeguard user apps, accounts, and devices, has also started being used for passwordless authentication for websites across multiple browsers, it was the obvious choice for SAP's next-level security requirements. However, developing and implementing a new two-factor authentication process without passwords using SAP's existing tech stack would usually take a lot of time – not to mention developer resources.



## The Solution

Hanko's FIDO-certified Managed Cloud API, with its comprehensive software development kits (SDKs) for passwordless authentication, enabled SAP's UID development team to rapidly build UID customer login with enhanced security and ease of use.

Over the course of a short 12-week startup accelerator program called SAP.iO, the SAP developer team tested passwordless authentication with Touch ID & Windows Hello for SAP Universal ID. With Hanko's software-as-a-service model, SAP's developers were able to gain access to a full-fledged, FIDO-certified backend API right at the start.

In addition, Hanko's demo code and ready-to-use client and server SDKs could enable rapid market deployment – at scale. Hanko also collaborated with SAP UID's UX team in the development and implementation of the new user flows for passwordless authentication to ensure an optimal user experience.

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The development effort for introducing passwordless authentication was significantly reduced through the use of Hanko and the team helped us to successfully navigate implementing passwordless authentication into our application stack and user interfaces.

**Thilo Brandt,**  
IT Senior Manager, SAP Universal ID

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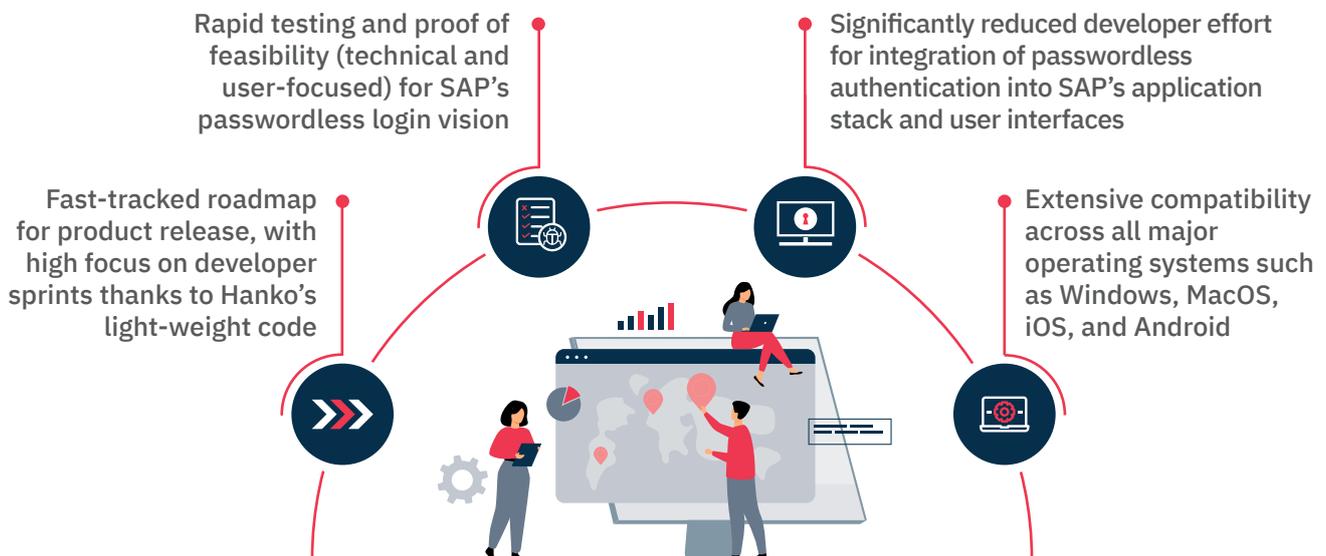


## The Impact

Hanko's FIDO-certified Managed Cloud API was the perfect solution for SAP's UID development team to support rapid deployment of highly secure, scalable, and easy-to-use UID login services for SAP customers.

With Hanko, SAP acquired a fully-functioning UID test environment that supports passwordless two-factor authentication with FIDO2 authenticators such as Windows Hello and MacOS Touch ID, as well as FIDO Security Keys. The transition was achieved with a highly limited team, and in just a matter of weeks. The SAP and Hanko environment will be leveraged for further user testing as SAP UID plans to release passwordless authentication for its customers in a phased manner.

## SAP Developer Team's Benefits at a Glance



## About Hanko

Hanko is a Software-as-a-Service startup offering solutions for easy-to-use and secure authentication without passwords. Hanko's Authentication Platform enables an effortless transition to password-free multi-factor logins and thus helps to increase the usability of authentication processes and to close security gaps. The company is a member of the international FIDO Alliance and the first European provider of a certified FIDO solution. With a developer API as its core product, Hanko is helping software developers to build and run their identity solutions without the complexity of implementing everything on their own. Hanko's customers include international software and cloud providers, the public sector, and companies in the financial and healthcare sectors.

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