



# Idenprotect Go

## Enterprise Secure Browser Case Study

### International Investment Bank Solves their Secure Enterprise Browsing Challenges with Idenprotect Go

A global leader in investment and retail banking had a number of requirements to provide safe and convenient access to a variety of corporate data that was hosted within their own data centres and also their cloud infrastructure, regardless of where authorised staff and contractors were located. This customer had embarked on a global project to reduce the complexity of their IT operations by opting to move forward with a single Microsoft cloud platform strategy.

Whilst the new strategy delivered many benefits to the organisation, there was a gap that presented a real challenge for this customer in how they could enable their remote workers, contractors and other approved personnel with a secure method to access data through a web browser.

The IT team had to identify a solution that would not only connect these users to data in the cloud but also to systems

that remain within an on-premise setting. The next challenge was how to address specific risks, especially risks associated with phishing attacks, password compromise attacks and account take-overs.

Finally, with user experience being a key requirement, the solution had to be simple to use as a browser but also simple to use to gain access to applications and services, in particular, a log-on process that did not require the use of OTPs and authenticator apps but still being able to meet strong authentication requirements using secure factors of authentication.

Integration with key technology components such as Microsoft Intune, existing proxy servers and gateways as well as integrations with services such as PKI would be critical to the success of the service.

#### THE CHALLENGE

To provide an enterprise secure browser within this complex hybrid environment, the solution had to have in-built capabilities to deal with the enterprise protocols in-place. The requirements were to:

- Provide a web browsing experience similar to Microsoft Edge or Google Chrome for user experience reasons.
- Provide an SDK to integrate with custom applications.
- Lock down the browser using DLP controls, conditional access and other security controls managed by Intune.
- Support different certificate delivery mechanisms from their PKI services.
- Support proxy 407 authentication requirements
- Support different policies for different users that would access from different gateways globally.
- Ensure private IP or DNS information was not published to the internet

#### THE EXPECTATION

Clear expectations were agreed between the project sponsors and Idenprotect. The project had to deliver:

- A world-class and seamless user experience that was consistent across different use cases.
- A high performance browsing solution that could be controlled by the Microsoft platform .
- A single and centralised solution that would support both corporate owned and BYO.
- To ensure that all Web browsing would not require the user to use passwords or OTPs and that would not need to use authenticator apps or devices as part of the browsing journey but to maintain alignment to strict security policies for remote workers.

## THE SOLUTION

This customer identified Idenprotect Go as the solution following lengthy testing and assessments. Idenprotect's phishing-resistant, passwordless access security provided the perfect fit for the organisation in enabling business in a highly secure and cost-effective way.

Having a secure enterprise browser has opened up further use cases within the bank in enabling its users to obtain the resources they need. With the network security and access security taken care of by Idenprotect Go as well as the policies for data leakage prevention, application security controls and other policies, this customer was able to meet all of its desired requirements.

The ability to use existing infrastructure, without changing operational and business processes, was seen as highly beneficial as it would not add further strain to an already complex environment. Reporting, auditing and compliance processes that were already in operation for web browsing and access, required no further changes in the way they logged and record data for regulatory purposes. Existing services within the enterprise, such as Databases, Certificate Authorities, Directory Servers and other components would therefore still be used and the integration with the bank's strategic Microsoft platform would allow administrators to deploy application protection and conditional access policies that were designed to meet their security obligations.

From the user's own perspective, web browsing is now seamless and convenient and documents that previously could only be opened on a laptop with VPN after following a complex and cumbersome set of processes, are now available from any device at any time. The removal of passwords is a real game changer, but the real usability benefit is that users do not have to juggle security apps, devices or codes to authenticate as its all taken care of by Idenprotect Go behind the scenes. All that's required from the user is a biometric and that's it.

The phishing-resistance and passwordless approach that Idenprotect Go employs is unique and provides piece of mind for senior management that the organisation will not fall victim to phishing or credential theft attacks that usually result in a data breach.

## THE RESULT

Idenprotect Go significantly enhanced the web browsing experience as users no longer have to repeatedly input their passwords or juggle different authenticator apps and OTP codes.

The bank required a technology that would satisfy the needs of the business by:

- Enabling secure access to cloud and on-premise applications with strong authentication enabled for authorized users from any location.
- Ensuring all users could access data seamlessly without friction to ensure a convenient and efficient way of working.
- Supporting multiple platforms on multiple networks using different authentication mechanisms and enterprise protocols.
- Facilitating appropriate and accurate user identity validation and device trust to prevent unauthorised access.
- Preventing any external parties from having any type of control or ability to re-construct business sensitive cryptographic key material that may be generated on user devices.
- Protecting the private keys of each user by using a segregated secure execution environment in hardware.
- Being resistant to tampering, reverse engineering, application attacks and cloning.
- Enabling location awareness policies for remote access and to ensure compliance with local and international laws on privacy.

In addition, Idenprotect Go solved the challenge in providing a secure enterprise browser that takes care of the complicated security processes without the user's knowledge.

Success for the IT team is measured in terms of reduction in complexity, user complaints and complaints from the business in making IT more accessible. IT no longer have to manage other management platforms to achieve the things that they are required to configure and implement. The ability to manage software centrally via the Microsoft Intune and Azure management portal has made management and configuration much simpler and consistent, embracing the strategy of this bank.



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### About Idenprotect

Idenprotect enables security-conscious businesses that want to control who can access their digital resources, whether on-premise or in the cloud, without friction or complexity. Led by experienced leaders within the cyber security field and expertise in enterprise security and access technology, Idenprotect's passwordless and phishing-resistant technology is a proven solution within large and small enterprises, securing some of the worlds best-known and largest brands.