THALES
Building a future we can all trust

A Global Bank modernizes its Authentication Framework with SafeNet IDPrime Virtual

Summary

A large international banking group has adopted SafeNet IDPrime Virtual, a virtual smart card solution developed by Thales, to extend their existing Public Key Infrastructure (PKI) environment to modern IT use cases.

By deploying Thales's virtual smart card solution, bank employees are able to securely access applications hosted in Virtual Environments (VDI) from any device – using certificate-based authentication. As a result, the bank has been able to facilitate employee mobility, support BYOD, maintain security, and reduce the operational overheads.

Background

The global banking group, which employs tens of thousands worldwide, is a longstanding customer of SafeNet authentication solutions and is heavily invested in PKI and certificate-based security. All employees are equipped with a SafeNet hardware smart card to authenticate to their desktops.

Customer s Needs

The bank faced limitations in the ability of their legacy PKI authentication solution to address new needs in their IT environment:

- They wanted to use PKI authentication to secure access to virtual environments (VDI)
- They wanted to enable users to access company resources with their personal devices (BYOD). Many of those devices however do not support a physical smart card
- They wanted to support external users using devices issued by other companies, as well as developers and designers using Apple devices

To enable PKI certificate-based authentication in these use cases, the bank was looking for a "certificate-based authentication anywhere" solution – that could enable PKI-based authentication from any device, to all applications wherever they reside.

The solution

SafeNet IDPrime Virtual is a virtual smart card solution that helps companies extend their existing PKI environment and support modern authentication use cases, including the ability to use PKI authentication on mobile devices and on apps in virtual environments.

Benefits for the organization

Facilitate mobility from any device, including BYOD while maintaining PKI-based security.

Thanks to SafeNet IDPrime Virtual, bank employees and external users can authenticate to their virtual environment (VDI) using highly secure certificate-based authentication on any device.

Reduced operational overheads thanks to on-demand certificate generation

Now, remote users can access their virtual desktop without the need for a physical smart card or USB token. Remote users can issue a virtual smart card by themselves on the fly, without the support of the helpdesk.

High Security thanks to Security by Design

The SafeNet IDPrime Virtual solution reduces the risk of certificate abuse by controlling and monitoring certificate generation by the Certificate Authority (CA). As a result only authorized users are able to generate virtual smart cards, ensuring that security is maintained within the entire environment.

About SafeNet Access Management and Authentication Solutions

Thales's industry-leading Access Management and Authentication solutions let enterprises centrally manage and secure access to enterprise IT, web and cloud-based applications. Utilizing policy-based SSO and universal authentication methods, enterprises can effectively prevent breaches, migrate to the cloud securely and simplify regulatory compliance

VDI Enablement

End users can access VDI resources from their own device using virtual smart card authentication

About Thales

The people you rely on to protect your privacy rely on Thales to protect their data. When it comes to data security, organizations are faced with an increasing number of decisive moments. Whether the moment is building an encryption strategy, moving to the cloud, or meeting compliance mandates, you can rely on Thales to secure your digital transformation.

Decisive technology for decisive moments.

IDPrime Virtual client

2FA

User is inside a VDI session with his virtual card