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RAIFFEISEN DRUCKEREI

Microsoft Cloud & Office365 using flexible smart card authentication

BUSINESS ACTIVITY
OF RAIFFEISENDRUCKEREI

Raiffeisendruckerei GmbH specializes in card systems and personalization solutions for the German cooperative financial group Volksbanken Raiffeisenbanken. In cooperation with Deutscher Genossenschafts-Verlag eG (DG Verlag), Raiffeisendruckerei GmbH produces all debit and credit cards for the cooperative banks (14.8 million in 2017 according to the DG Verlag annual report). The Raiffeisen card production and printing factory is subject to the compliance requirements of the licensors MasterCard and VISA, which are defined in the PCI CP standard.

To improve compliance and increase the protection of the IT infrastructure since 2008 smart cards are already mandatory for the 2-factor authentication for logging in to internal IT systems. Industry-specific compliance regulations, such as the PCI (Payment Card Industry Card Production Security Requirements), require at least frequent password changes and complex initial passwords. These requirements causing increased costs by increased support calls and efforts and reducing usability throughout daily life. Therefore, these complex password processes could be substituted through simpler and secure 2-factor authentication using smart cards. The implemented smartcards are also able to communicate via NFC, which is used for physical access control.

HIGHLIGHTS

- ✓ Compliance improved
- ✓ 2FA for cloud-based Microsoft services
- ✓ Convenient use of existing smart cards
- ✓ Reduced administration workload
- ✓ Simplified usability for end users

CHALLENGES
OF RAIFFEISENDRUCKEREI

Like many other companies, Raiffeisendruckerei also examined which applications and services they could transfer to the cloud and what the modern workplace of the future would look like. The impetus for a migration project was on the one hand the economic advantages of the cloud and the modern, location- independent collaboration solutions. However, in order to meet the high compliance and security requirements, the future solution had to support the mandatory requirement of „smart card only" and two-factor authentication before starting the project.

THE SOLUTION &
TECHNICAL IMPLEMENTATION

After clarifying the basic requirements, the configuration of the required systems was started. Among other things, the credential management system of the smart cards had to be integrated, which caused technical problems and challenges at the beginning. Initially, authentication via smart card could not be implemented in the cloud. The available standard documentation from Microsoft was not sufficient for this. Due to intellecom's close contacts to Microsoft, a Microsoft consultant could be called in to identify and solve the error. The system components Active Directory Federation Services, Azure Active Directory and the local clients could finally be successfully configured and deployed.

The existing Single-Sign-On (SSO) user experience was hardly changed, enabling a smooth migration of the end-users. The actual login process to the existing systems and applications have been migrated unchanged to secure SSO.

Since the smartcards are also required for physical access control, employees are not able to walk around the company's premises without using their smart cards. Therefore, a solution was needed to combine contactless access functions and the contact authentication function to be used comfortably.
To ensure this, the wireless smartcard readers AirID have been selected. The AirID is an elegant, compact and wireless smartcard

reader in „credit card size" format. This allows the smartcard functions to be used wirelessly (via Bluetooth low-energy connection) for different terminals and devices and the built-in NFC function of the smartcard will be retained.
The card should always remain in the AirID and will never be forgotten - not even during minor work interruptions - and the workstation will always automatically be locked. This unique combination covers the high compliance requirements within the banking industry.

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WIRELESS SMARTCARD READER AirID
BY certgate

AirID works seamlessly with Office 365 and the intellecom solution on Windows platforms. The NFC function of the smartcard is also retained according to the customers' requirements. In addition to office authentication, the AirID is also versatile and supports all smart card use cases such as e-mail encryption, digital signatures or smart card logon can be used.

In addition, the AirID smart card reader is compatible with various devices such as smartphones or tablets on the popular Windows, iOS, Android and Linux platforms.

The AiriD can be worn comfortably on a clip, lanyard or yo-yo, so you always have the elegant and practical smart card reader with you.

SOLUTION
AT A GLANCE

The integration of Office365 services has brought considerable improvements in the areas of flexibility, collaboration and administration for the Raiffeisen card production and printing factory. Microsoft, intellecom and certgate jointly fulfilled the high compliance requirements. The employees also enjoy increased flexibility and can at the same time rely on „automatic" security when leaving the workplace.

> „Consistent implementation of two-factor authentication is the effective way to protect our corporate assets, especially for cloud services. The integrated solution also simplifies the day-to-day work of our employees."
>
> Gerd Ewenz, Manager IT/Organisation, Raiffeisendruckerei GmbH

Über intellecom

For the implementation of the „Smart Card Only" scenario described above, the on-boarding partner intellecom GmbH and the IT security provider certgate. The intellecom GmbH is managed partner of Microsoft and already a longtime
Partner of DG-Verlag and Raiffeisendruckerei. The company's focus is on the integration of the modern workplace, cloud & infrastructure and enterprise mobility based on Microsoft technologies and AirWatch.

More information about our Professional IT Services can be obtained at: https://www.intellecom.de/

About certgate

certgate is one of the leading IT security providers for secure, mobile communication technologies and a member of the alliance „IT Security Made in Germany" for many years. Internationally leading companies and authorities such as the German Federal Employment Agency and state security authorities in other countries secur their mobile communication through certgate's patented technology and products. certgate's solutions are also distributed through partners worldwide and enable real protection against hackers, mobile data leakage and unauthorized access – also by governmental authorities. certgate already provides sustainable protection for the mobile communication and data for thousands of users daily worldwide today.

Find out today why secure communication is recommended as essential by many leading experts under:
https://www.certgate.com/why-encryption

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