



While ABBYY OCR Guards Personal Data, MFP Users Can Sleep Calmly

Customer Overview

Name

MFP manufacturer

Location

South Korea

Industry

Hardware and Software

Challenge

Create a data leakage protection solution for documents in the Korean language.

Solution

Integration of ABBYY FineReader Engine into the client's hardware.

Results

- Compliance with Korean legal requirements
- High level of recognition accuracy

A major MFP manufacturer who has been the Korean market leader since mid-1960s has made a bundled solution of their MFP hardware and ABBYY OCR software to bring forth one of the most secure data leakage protection solutions in the market.

Challenge

The current Personal Information Protection Law in Korea obliges companies and vendors to provide a certain level of protection for this type of data. Market statistics claim that 80% of corporate information is leaked by employees through scanned, faxed or printed images produced by an MFP. The most vulnerable information is said to be personal information from ID cards (like SSN), which is used and requested everywhere nowadays.

Financial organizations were the first to be affected by the law. Thus, data leakage protection at all stages of a document's lifetime became the vendor's next target.

The MFP manufacturer became one of the pioneers in Korea to offer a complex data leakage protection solution, which included both hardware and software components to detect whether a printed or scanned document contained sensitive information.

However, the OCR technology used in the solution wasn't of high enough quality (especially for the Korean language) to accurately detect confidential information during printing, copying and scanning.

The company's development team started studying and testing the OCR solutions available on the market and chose a solution offered by ReTIA, a regional Korean company specializing in document scanning and processing solutions, whose strategic partner was one of the world's leading OCR vendors — ABBYY. The ReTIA team offered the client to switch from their existing solution, which did not comply with the high quality requirements of data leakage protection procedures, to ABBYY OCR technology — ABBYY FineReader® Engine.

Solution

ABBYY FineReader Engine was integrated into the hardware products with optimal settings and features in order to detect confidential information inside the processed documents.

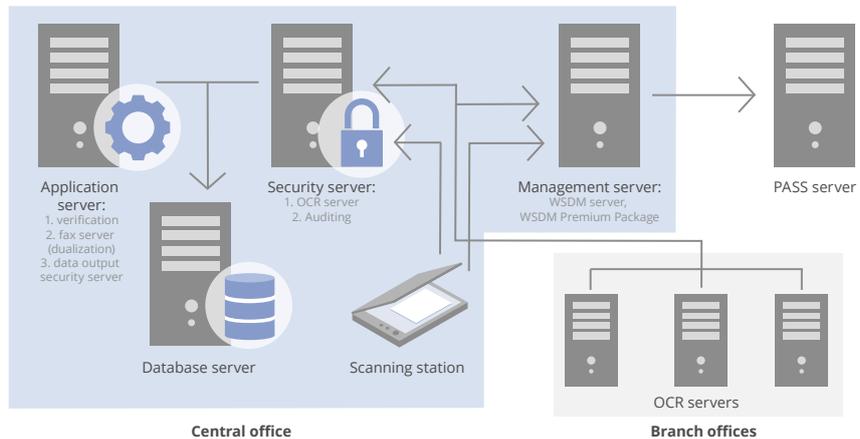
First, thanks to API for automatic document classification the application categorizes the documents according to predefined document classes to identify which among them could contain vulnerable information.

ABBYY Partner

ReTIA

Located at Gasan, Seoul, ReTIA is a leader in OCR, document capture & form processing solutions in Korea. The company has over 15 years of experience in the field, numerous world-known strategic partners, and customers among finance, government organizations, manufacturers and IT, including KIPO, CyberLogitec, HonestVision, National Assembly Library, etc.

retia.co.kr



Second, the documents are recognized with the highest OCR accuracy, detecting such fields as: SSN, name, phone, date of birth, e-mail, ID, address, medical record, income, education record, credit card #, account #, license, crime record, occupation, etc. If such information is found, the system either notifies an administrator or hides it during printing, scanning, sending, etc.

*“When we approached the leading MFP manufacturer in Korea they had already been using some OCR solution from a quite popular vendor. They compared the accuracy and knew ABBYY was much better, besides their existing solution didn’t run stably (24hr * 365day) and the vendor’s support didn’t provide proper feedback or patch. As a result the client’s team decided to switch to an accurate and stable OCR engine by ABBYY.”*

Joon Ho Kim, CEO, ReTIA

Results

Since OCR accuracy is crucial for a security/protection solution, the client’s team highly appreciates the switch to ABBYY technologies, because by using ABBYY they have managed to ensure compliance with the high level of Korean legislation and customers’ requirements in terms of both accuracy and stable performance.

Today multiple series of MFPs are equipped with powerful ABBYY OCR engines to ensure a high level of data leakage protection and are distributed across the region and abroad. These solutions are very much in demand, mainly among large companies and financial institutions. Currently more than 80 large enterprises across the country use the manufacturer’s MFPs to comply with the Korean law on security of personal data.

Thanks to this change, the hardware vendor has started winning bids and rapidly expanding their business in the region, raising the bar of security services for other market players.

About ABBYY

ABBYY is a leading global provider of technologies and solutions that help businesses effectively action information.

ABBYY 3A

Asia, Baltic, Middle East, South America, Africa
P.O. Box #32, Moscow, 127273, Russia
Phone: +7 (495) 783 3700
Fax: +7 (495) 783 2663
sales_3a@abbyy.com

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