



Illinois Secretary of State Combats Identity Theft and Fraud by Processing Filings with ID Shield Advanced Redaction Software

Business Challenge

As part of its responsibility to administer the Uniform Commercial Code (UCC), the Illinois Secretary of State's office files financing statements and maintains a record-keeping system to allow quick and accurate searches. With identity theft and fraud on the rise, the agency wanted to protect the personal information of its filers. The archives had filings in the system that contained sensitive information. The agency wanted current filers to feel confident that information received by the office was safeguarded in every way conceivable.

Solution

After a national RFP process, the agency purchased ID Shield Redaction Software. The selection team cited Extract's extensive experience working with UCC documents and ID Shield Legislation Guard as important factors in its decision. Legislation Guard is Extract's assurance to the agency that it will have multiple ways to respond to a new redaction mandate at no additional cost.

Implementation went smoothly with ID Shield integrating seamlessly with the State's Kofax scanning and IBM Content Manager systems. Extract Systems began its process to deliver a highly accurate redaction solution with an extensive upfront review of a large sample set of the agency's documents. Next, rule-writers customized Extract's extensive set of business rules to detect and redact sensitive data – in this case, Social Security Numbers, Federal Identification Numbers and loan numbers – within the agency's specific documents. By investing time up-front to develop the most precise rules possible, ID Shield is finding 99+% of the sensitive information within the state's filings.

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The Technology Behind ID Shield Redaction Software

OCR output is critically important to any redaction process. The better the quality of the OCR output file, the greater the accuracy of the redaction. ID Shield starts with the industry-leading OCR engine and layers additional recognition technology into the software to find data within complex and unstructured documents, including:

- Magnetic Ink Character Recognition (MICR) engine to detect routing and bank account numbers on checks
- Intelligent Character Recognition (ICR) engine for handwritten content
- Optical Mark Recognition (OMR) for forms and surveys
- Optical Barcode Recognition (OBR) technology for capturing sensitive information present in the form of barcodes

Beyond OCR technology, ID Shield adds state-of-the-art data detection rules to find and redact all sensitive data types including: Social Security Numbers, dates of birth, credit card numbers, CVV codes, account numbers, check numbers, expiration dates, names, postal and email addresses and virtually all types of personal information within structured and unstructured documents. This core competency is a proprietary formula that incorporates pattern recognition logic, phrase context proximity and keywords into the software based on the data that needs to be captured and secured. ID Shield redaction zones are burned in, making it impossible for identity thieves to retrieve private information. All hidden metadata associated with the original document is eliminated. The original document remains unaltered.

About Extract Systems

Extract Systems is a leading provider of advanced data capture and redaction solutions that drive operational efficiency and secure private information for government, healthcare and other commercial sectors. ID Shield advanced Redaction Technology has processed more than two billion documents for over 275 customers without a single breach in data protection. Extract's data capture products automatically find and incorporate manual data entry fields into designated information systems as structured data. Automating the capture of information trapped in paper-reliant workflows reduces costs and optimizes the intelligent collection of data.



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