



The dimensions of the problem

Kenetek, using its *tools*¹, discovered and scanned:

- Over 30 applications (with a total of over 70 million line of code).
- Over 8,000 DB2 tables and 108,007 columns.
- Over 115,000 sequential files.

Possible solutions

With a *manual approach*² it is impossible to identify where CHD (Cardholder Data) or sensitive authentication data is managed and stored in the CDE (Cardholder Data Environment).

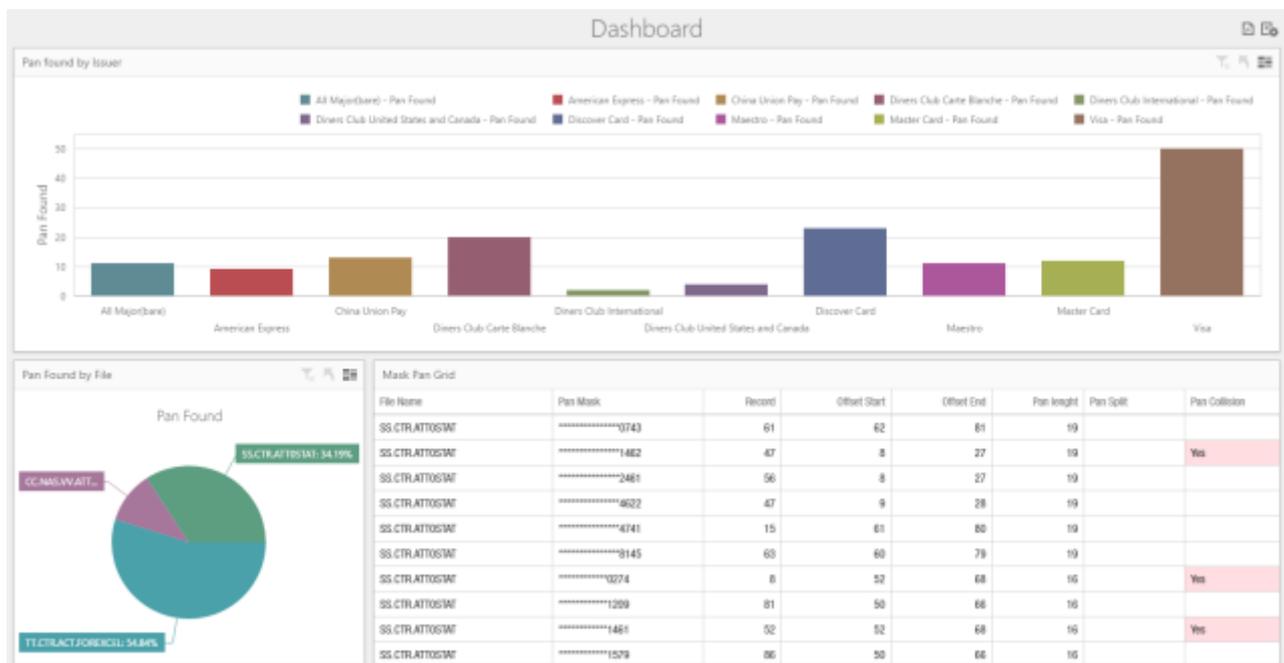
The usual approach would be to add firewalls and security measures everywhere and therefor adding complexity and constraints to the customer's environment.

Kenetek's solution

Kenetek uses a holistic approach thanks to the tools that have been developed over the years. By performing a static analysis of the application source code and data the customers have the power to truly know what happens in their environment. This can be with the minimum effort on its side, the only phases where the customer's IT support is required are:

1. During the source code and data extraction.
2. During the architecture definition.
3. During the optional customization of the COBOL, JCL, CICS, IMS or SQL parsers to support special compiler customizations.

The produced data can be shared within the various actors involved in the compliance process, both internal and external to the organization, by using a *centralized platform*³ where people from different backgrounds can navigate through dashboards, metrics and reports and get the information they need to achieve their goal in the most efficient way possible,



Dashboard that display where the PAN is sequential files.

1. The tools used by Kenetek are their proprietary KLR[®] and ASA[®] Pan Scout. See "About KLR[®] and ASA[®]" below for more information.
2. By manual approach we intend an approach where a team of highly qualified professionals interview application managers and manually go through the applications and business processes with them.
3. The centralized platform is a win and/or web client (KLR.Net[®] and APS.Net[®]) provided by Kenetek where the customer can, once authenticated, access the information uncovered during the analysis process using dashboards, reports, etc. All the dashboards and reports can be customized to customer requires. All the information can be extracted (if authorized by a platform administrator) to standard formats (xls, pdf, etc.) to easily share using methods external to the platform itself.



About KLR[®] & ASA[®]

KLR[®] (Knowledge Language Recognition) is the answer in the field of application analysis. Proposed as a holistic engine it is used to analyze the evolution of a complex system and its parts, and the relationship between each other.

ASA (Alphanumeric String Analyzer) Pan Scout[®]. It is the answer in the field of data analysis, it can find the PAN in systems, and help identify unsecure data managed.

The Results

Using Kenetek's approach the customer was able to identify over 32 environments. 8 of the most representative environments were analyzed in less than 12 months.

Thanks to this analysis the customer was capable of exactly knowing the impact of cardholder and sensitive data of every business process, its components, maps (CICS & IMS), tables and files. The customer had the capability of knowing exactly which statements and I/O data was impacted. What seemed to be a huge problem was reduced to an area of around 3% of the total data analyzed.

This resulted (compared to the other approaches) in a drastic reduction of time and relative cost for the scope definition and data analysis, an identification and reduction of the risk and the peace of mind of the customer that now precisely knows where to aim at for securing its cardholder data environment.

Not less important was the massive reduction of economic and time impact for maintaining the achieved compliance thanks to the integration of KLR[®] and ASA[®] Pan Scout in the customer's processes.