

DOCU/MASTER® Virtual Data Mining Unemployment Insurance Capability Sheet

DOCU/MASTER enables the indexing and searching of every piece of data contained in IBM mainframe systems, thereby enabling the 'virtual data mining' of information without creating costly data warehousing or business intelligence applications. For state unemployment insurance, this enables the indexing of any structured or unstructured benefits, claims, tax and other data for demographic analysis, fraud detection, or other analytics purposes.

Technology Overview

DOCU/MASTER is an on-line search and knowledge management system for the fast, efficient retrieval of structured and unstructured data/documents based on specific word, phrase or concept searches. A highly efficient indexing algorithm provides consistent sub-second search times, whether searching hundreds or millions of documents/records. It operates in the IBM zOS and zVSE operating systems on the S/390 platforms. The extensive DOCU/MASTER Application Programming Interface (API) and indexing methodology allow it to be seamlessly incorporated into other mainframe applications.

Unemployment Insurance - Value Proposition

The ability to interrogate large, legacy mainframe UI systems (benefits, claims, tax) without the need to create separate data warehouses significantly changes the cost/benefit point for UI data mining applications. A 'virtual data mining' solution eliminates the need to double-store tremendous amounts of data while providing users the ability to interrogate and analyze benefits, claims, tax and other key data from multiple legacy systems in order to better control claims and overpayments; provide a method to standardize industry and recipient coding; and create other fraud detection rules.

System Integration and Implementation

The DOCU/MASTER search engine is 'integrated' into a legacy mainframe system using an API that passes control from the resident system to the DOCU/MASTER engine for searching. Control is returned to the resident system for subsequent processing, thereby retaining current system workflow.

