DataCube

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Retro-Labelling

- **An industry first unique to DataCube**
- **All current and historic data secured**
- **Fully customisable labelling options**
- **Compliant with all Government security standards**

Organisational Requirements

Organisations are being ever more challenged by the major issue of their unstructured legacy (historic) data - it is estimated that typically 85% - 90% of any organisations data is legacy. By definition, it is substantially unstructured and unprotected. The securing of each document with an appropriate protective level is now becoming an urgent requirement for both data protection purposes and regulatory needs in the public sector.

Organisations need to be able to automatically categorise and then protectively mark all of their unstructured data. They need to be able to access the category which any specific document belongs by its content rather than relying on its title or key word search and automatically give it a designated security or protective mark.

DataCube Solution

It is all but universally accepted that sorting documents into categories or schema files is virtually impossible to achieve without automated assistance. Adding the need to apply the correct protective label (as designated by an organisation's schema) further underlines the fact that undertaking it manually it is a wholly unrealistic task - even with small datasets,.

DataCube has developed an application that, through its remarkable conceptual searching capability, can run the entire data set against the organisations schema (populated with exemplars), enabling each document to be placed into its appropriate category and labelled by the categories default protective level. The metadata tag which is placed on the document can then be used to add the visual marking on the document being read and also act as the triggers to other data loss prevention systems if installed.

Features

- Helps enforce information assurance policies
- Significantly improves data loss prevention
- Controls the transmission or copying of unstructured data
- Enforces rights management policies
- Labelling is GCSx CoCo compliant
- Works with any classification schema

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How Does it Work?

Using advanced textual analytic techniques (based on Latent Semantic Indexing), to understand the meaning of every document in the data set, DataCube then compares each document to exemplars of the kinds of documents which should be included in each category. For Local Authorities, we have already developed an implementation ready schema that includes over 18,000 exemplars that fully populate the 750 categories in the Local Government Classification Scheme (LGCS).

Using the pre-assigned marker held in each category in an organisation's chosen schema (e.g. LGCS) which define each documents' protective level, DataCube applies retro-labelling and places a security protective mark in the metadata of the original document, along with a tag which produces a visual indicator on opening of the document. The document is now subject to the security controls implemented by the organisation and, therefore, secure.

Retro-labelling is a real breakthrough for organisations that have had no labelling system and have unstructured, unlabelled documents in their systems. It is also invaluable for organisations that have implemented a labelling regime, but wish to change it to a new classification system or two or more disparate departments into a single system.

Organisational Benefits

- Protects an organisation's legacy data from misuse or inadvertent loss
- Significantly reduces likelihood of breaches and Information Commissioner censure and fines
- Highly effective and economic method of securing legacy data
- Enables organisations to implement protective labelling systems knowing that its historic documents are fully secured for the first time.
- Avoid costly mistakes resulting in reputational damage to an organisation or its staff as well as significant financial penalties
- Automated support for staff and processes enhances the staff involvement and ownership of data security
- Complies with all relevant government guidelines and policies.