Data Mapping & Inventory Solutions for Privacy Regulations

With the announcement of the new EU General Data Protection Regulation (GDPR) that will come into effect May 25, 2018, many organizations have already started or are starting to build and execute their road map to compliance.

Achieving compliance with GDPR requirements will require the support of technology, people and processes. Nuix technology, partnered with KPMG advisory offerings, can help companies work towards achieving GDPR compliance as it relates to record keeping and accountability.

GDPR introduced the following:

Financial Impact = 4 percent Global Revenues:
Fines for noncompliance up to 4 percent of global turnover or €20 million, whichever is higher. Member states can add their own criminal penalties on top.

Expansion of Definition of Personal Data:
GDPR extends the definition "personal data" to any information which alone or in conjunction with other data could identify an individual. Companies must implement measures rendering personal data neither anonymous or directly identifiable (e.g., cryptographic services).

Accountability Culture:
Organizations must establish a culture of accountability and record keeping for knowing what personal data they have, its use and monitoring, in order to minimize data processing and retention of data, and building in safeguards. This includes the establishment of policies, procedures, records and operations.

Vendor Management:
In addition to data controllers, data processors are now also recognized as liable. Data controllers and processors need to maintain a record of activities where processing EU personal data.

Individual Privacy Rights:
Additional rights of individuals to their data as related to access, consent, portability and profiling for marketing.

Establishment of a Data Protection Officer:
Data controllers needs to know all the data processors that the organization may be using to process EU personal data. The data controller is jointly liable for its processor conforming to GDPR

Breach Notification:
GDPR requires breach notification within 72 hours of identification.

Data Privacy Impact Assessment:
A process for regularly testing, assessing and evaluating the effectiveness of technical and organizational measures for ensuring the security of the processing.

Cross-Border Data Transfer:
Data controllers need to know all the data processors that the organization may be using to process EU personal data. The data controller is jointly liable for its processor conforming to GDPR.

Data Protection & Privacy by Design & Default:
GDPR expands the previous requirement for technical measures to protect personal data by requiring these measures are included in the design of such measures.

Source: KPMG and Nuix: Mergers and Acquisitions

The GDPR Data and Record-keeping Challenge

The requirement for companies to enhance record keeping and understanding of data collected, used, processed and stored creates a new set of challenges:

— Complete and accurate identification and inventorying of sensitive data collected

— Tag data assets that contain these sensitive data elements

— Understand data flow mapping of sensitive data within the organization and outside of the organization, including third parties.

Oftentimes companies think they can rely on a "top-down" self-assessment questionnaire approach. However, this can result in incomplete or inaccurate understandings of what data is actually collected, how it flows and where it is stored. It is also not a sustainable means for scalability and managing the GDPR requirement for real-time record keeping.

KPMG and NUIX: Delivering Sustainable and Bottom-up Data Inventorying & Data Mapping

KPMG Cyber Security Services professionals have developed specialized knowledge in the use and implementation of the Nuix product suite to provide bottom-up data inventory and data mapping services.

The patented Nuix Engine™ delivers advanced technology for accessing, understanding, and acting on human-generated information. Nuix's parallel processing and analytics capabilities make small work of big data volumes and complex file formats.

Benefits of KPMG's Service Offerings for GDPR compliance:

— Greater insight into data stored within unstructured environments and identify hidden risks

— Secure management of critical and confidential personal data

— Policies and procedures to help ensure the protection of the company's crucial assets

— Design and implement proactive monitoring "get clean..stay clean"

— Reduction in data storage costs

— Enables a risk based approach to data governance and data protection by enabling the organization to confidently know what data it has, what's most at-risk, and where it resides

— Identification of sensitive third party data sharing and/or sources

Assess

Leveraging Nuix, KPMG can support your organizations network with scanning to identify data elements being collected, used, shared and stored.

Design

Based on the Nuix tool analysis, KPMG can support your organization with enhancing or building a data classification framework and designing a sensitive data asset mapping and inventorying framework.

Implement

KPMG can support your organization to implement your tailored data inventory and data flow mapping framework as part of your GDPR compliance program.

Get Clean, Stay Clean!

KPMG can provide training and support to transition for continuous monitoring and sustainability...Get Clean, Stay Clean!

KPMG and Nuix in action

Global client

Using Nuix's data indexing engine to identify where documents resided, KPMG helped the client track petabytes of data stored on hundreds of thousands of file shares across the globe.

Based on the information identified by the Nuix tool, KPMG assessed the results in order to create a data classification framework that classified data elements as sensitive, confidential or containing PHI/PII. The framework was then used to assess the adequacy of data protection being applied based on the new framework criteria so that appropriate remediation measures were applied.

Global client

KPMG was asked to support the client in its sale of a business by identifying data assets containing sensitive information, including intellectual property leveraging Nuix technologies. The KPMG team configured Nuix to run scans tailored to its request and index, search copy and remediate data. Using Nuix technology, the team was able to rapidly index, search, copy, and remediate data, thus helping to ensure the buyer received only the IP data entitled to them as part of the purchase.

To learn more about KPMG's Cyber Security Services, please visit **https://advisory.kpmg.us/kpmg-cyber.html.**

Some of the services described herein may not be permissible for KPMG audit clients and their affiliates.

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