Harnessing Graphs and Documents for Context Aware Data Governance

Diaku, a Data Governance innovator leading the charge in a new wave of data governance software, is the company behind Axon, a compelling data governance software platform which facilitates how businesses engage in an accessible, relevant and personal manner. In today's world of big data and dynamic, ever changing enterprises, Axon breaks away from the traditional data governance approach of prescribing compliant behavior through policies, standards, roles & responsibilities.

What Axon achieved is delivering a tool for Collaborative Enterprise Understanding, meaning that by sharing and bringing context to data, organizations are able to better understand workflows, projects, dependencies and processes through visual representations which highlight business relevance in an efficient knowledge and information Platform.

Bringing Context to Data

Enterprise relationships are not linear. Instead, they're a series of interconnected data points with several relationships. Consequently, data in Axon needed to be viewed as a graph, so naturally Diaku needed a graph database on which to build Axon. Without this, environments would be too difficult and slow to explore.

One of the main challenges Data Governance software faces is bringing rich business context to data. The goal for Axon was to progressively create an integrated view of an enterprise in order to effectively and collectively control and align resources. Correctly tracking data is crucial, though simply tracking data is not what brings value to businesses. It is the context in which this data

Industry
Data Governance

Challenge
Build a data governance platform that brings context to business data.

Approach
Build the platform using a graph database to exploit relationships.

Solution
Use OrientDB's graph and document capabilities to bring context aware properties to graph relationships.

Result
Clarity for complex business landscapes and rich speedy business context to data allowing enterprises to understand workflows, projects, dependencies with ease.

resides that allows enterprises to gain measurable insights and understanding on which to act upon.

Not Simply a Graph Solution

"We looked at different vendors and found that OrientDB Enterprise was a competitive graph database which had everything that we were looking for", Said Patrick Dewald, Director at Diaku. "It had other features which initially we simply looked at as an added bonus, but proved to be helpful in forming quick meaningful relationships. Its document capabilities, for example, meant that we could connect associated sources and traverse relationships quickly, without time-consuming JOINs."

> "WE WERE LOOKING FOR A ROBUST OPEN SOURCE GRAPH BASED SOLUTION SUCH AS ORIENTDB FOR OUR PROJECT."
>
> **- Patrick Dewald, Director, Diaku.**

Axon allows you to decompose and inventorize items. Leveraging OrientDB's graph document capabilities, for example, allowed data sets to have attributes which are connected to glossaries to provide unified meanings. This makes it easier to then search and select items in any inventory and subsequently filter for those.

Measurable Insights

Diaku Axon makes it easy to trace the lifecycle of information and connect with a broad community of stakeholders. OrientDB's flexibility and multi-model approach enabled Axon to develop complex data relationships without sacrificing performance or data quality. This enables companies to view how and where people depend on each other to deliver, where changes are planned, and how projects will impacted. In a nutshell, Axon brings clarity to complex business landscapes while protecting data quality over time.

About OrientDB

The native multi-model database combines the connectedness of graphs, the agility of documents and the familiar SQL dialect. Fortune 500 companies, government entities and startups all use the technology to build large-scale innovative applications. Some of their clients include Ericsson, the United Nations, Verisign, Pitney Bowes, Sky, Diaku, CenturyLink and Sonatype.

OrientDB recently won the prestigious 2015 Infoworld Bossie award and has been covered by multiple media outlets.

www.orientdb.com

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About Diaku

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