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/ About Adastra

Adastra is an international consulting company that creates synergy by consulting and supporting businesses through command of modern technologies, facilitating the transition to the digital era. We help our customers maximize the value of their data, drive innovations, and improve their operational excellence as well as customer experience. We deliver custom-tailored solutions and services in various areas, such as Data Engineering, RPA, AI, Data Governance and Cloud Services, because we know that data connects everything!

/ Topic: Data Visualization of Data Storage and Data Structure

For data visualization, corresponding tools access different data sources. Here, multiple dashboards can be built and compared, on the one hand with the source data in open-source object stores (potentially including unstructured data), and on the other hand in specific analytical DBs such as AWS Redshift or Google Bigquery Storage.

The comparison can include implementation, performance as well as scaling aspects.

A third option could be mixed storage, leading to the following question: what kind of data should in this case be stored where?

Alternatively, the focus can be placed on data structure optimization. For a given use case, for example, tabular data structures and nested data structures, as well as the file layout, can be compared and optimized regarding reporting. Different ways of querying nested data can also be compared (Column based MB, Elastic Search, Mongo, Hive, Presto, Spark).

If you have other ideas for a thesis topic – be it in the field of Data Visualization of Data Storage and Data Structure or any other Data Management-related direction – we are also looking forward to hearing from you!

/ Sounds interesting? Contact us!

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