



## **No More Metadata!**

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For well-known technologically motivated reasons, communities have developed the distinction between data and metadata. Mainly this was because data were too big to analyze, and often too complex as well. Therefore, metadata were established as a kind of summaries which allow browsing and search, albeit only on the criteria preselected by the metadata provider. The result is that metadata are considered smart, queryable, and agile whereas the underlying data typically are seen as big, difficult to understand and interpret, unavailable for analysis. Common sense has it that in general data should be touched upon only once a meaningful focusing and downsizing of the topical dataset has been achieved through elaborate metadata retrieval.

With the advent of Big Data technology we are in a position to overcome this age-old digital divide. Utilizing NewSQL concepts, query techniques go beyond the classical set paradigm and can also handle large graphs and arrays. Access and retrieval can be accomplished on a high semantic level.

In our presentation we show, on the example of array data, how the data/metadata divide can be effectively eliminated today. We will do so by showing queries combining metadata and ground-truth data retrieval will be shown for SQL and XQuery.