



Kolloquium zur Masterarbeit

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„Usage of document-based and graph-based NoSQL stores for multi-model data management“

The principal aim of this master thesis is to measure the performance between two databases, one is a Document-based database and another one is Graph database. Since most of the cases, the performance is a major issue while data retrieving. Therefore, the performance between two data models will be measured by performing several data retrieving tasks. MongoDB has been used for document-based data and Neo4j has been used as a graph database. First of all, the performance in the document-based data model will be obtained using MongoDB. Since the original data stored into MongoDB as XML format inside BSON, whereas the graph database required the data as JSON format. As a result, one of the important parts of this thesis is to design an algorithm in order to convert the data from XML to JSON format. Another key issue of this Master thesis is, how to build the relationship in a non-structured nested document data. Thus this paper will focus not only on the performance measurement, but it will also briefly describe the process of the data processing. When data is ready for the graph database, it will test the performance in a graph database called Neo4j.

Donnerstag, 20. Oktober 2020, 11:00 Uhr,

Videokonferenz: BigBlueButton

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