How efficient is the use of In Memory Database in Business Intelligence / BigData reporting for Blockchain based data?

Abstract
- The rapidly growing volume of data
- Reports take hours or even days.
- Technological progress in processors and RAM's

What is Blockchain?
- A network, usually within the Internet.
- A decentralized incorruptible database
- Financial transactions are usually stored in the blockchain.
- The blockchain technology is also the basis for crypto currencies such as Bitcoin, Ethereum, Waves.
- The information is stored locally on all computers in the network.
- All computers must be hacked individually to change an information

Performance Comparison
- 5 BI Queries (3 scenario)
  - On the console (query directly on the two DBS consoles).
  - Web server (query via a web server).
  - Hybrid model (parallel query via conventional database and in-memory database).

Hybride Modell
- 1. Connection to the databases (MySQL and SAP HANA)
- 2. Retrieve all records from the affected tables in JSON format and combine the results.
- 3. Query the combined results

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WavesBI Database
- 16 Table
- More than 97 GB
- Transactions