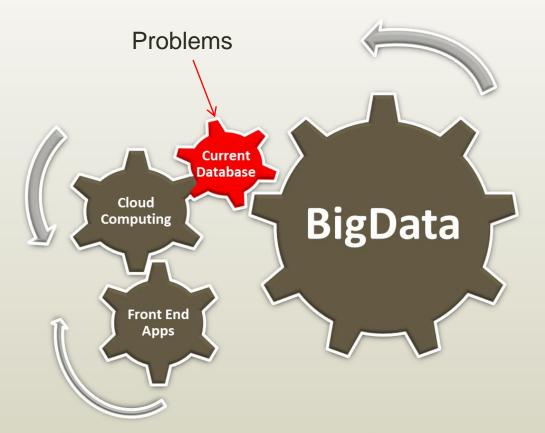


ArrayDB

Revolutionary Analytical Database

The Problem





Hardware Usage Inefficient

High Lateny in Reporting

Limited to Specific Workloads



Slow



Energy Consumption



High TCO

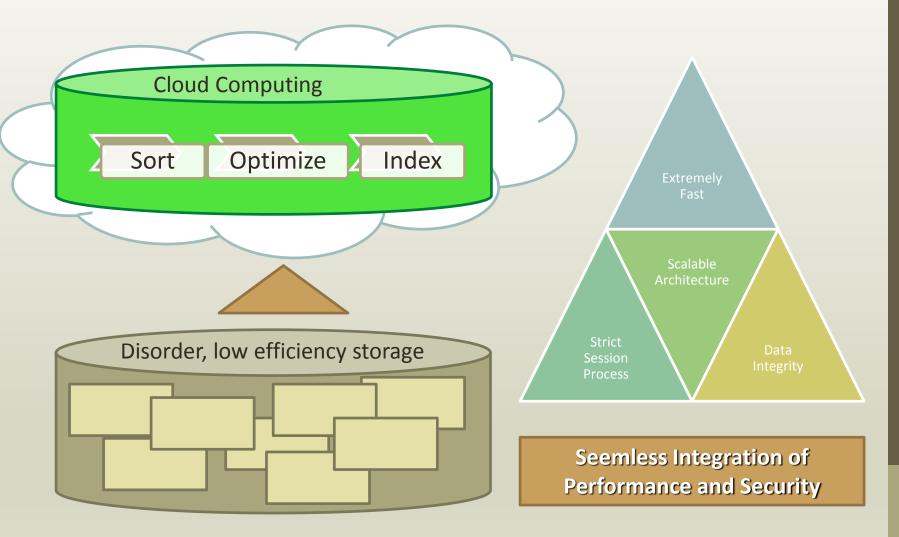
Competitive Analysis



| Current Databases | ArrayDB Advantage |
|--|--|
| O**** •Many customers •High TCO •NOT SCALABLE | All Index Write, 26X Faster Index based query, 22X Faster Low TCO Highly SCALABLE |
| MySQL •NOT SCALABLE •Dated relational JOIN query •Not suitable for Big Data | All Index Write, 26X Faster Index based query, 22X faster Advanced Relational JOIN High Performance for Bid Data |
| Cassandra Relational JOIN query NOT supported For data storage only Sort, Analysis, Statistics of Data NOT supported Transaction NOT supported | Advanced Relational JOIN Fast Write/Fast Read Support all data analytics/BI Multiple data query Support transaction and data integrity |

ArrayDB Technology Advantage





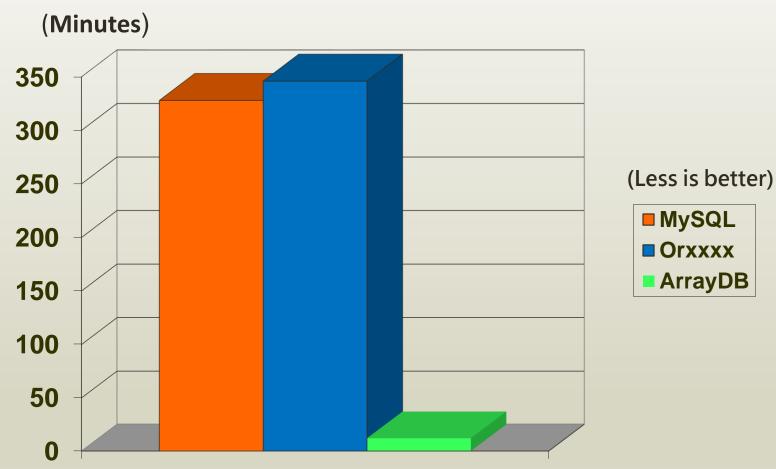
Note: EXERAY Technology is Patent Pending









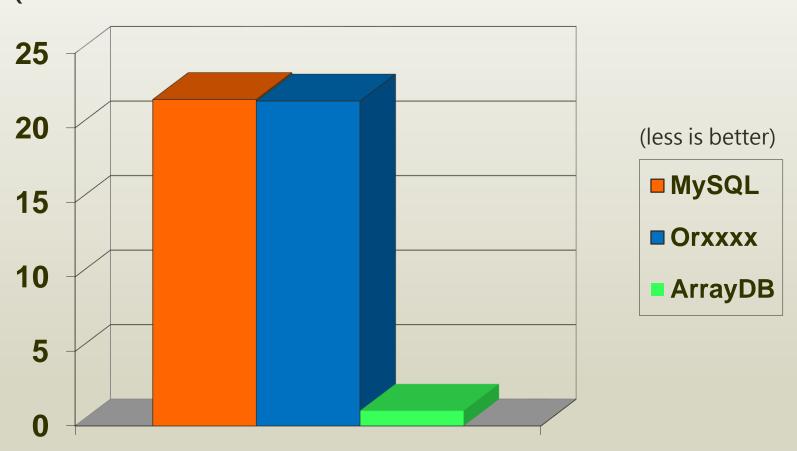


Test based on inserting 10 million records

2 Better Performance - Data Query



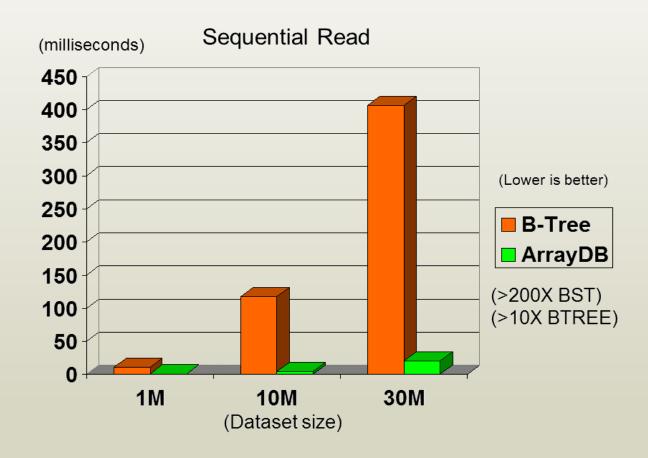




Test is based on table join of 10 million records.

3 Better Performance - Indexing



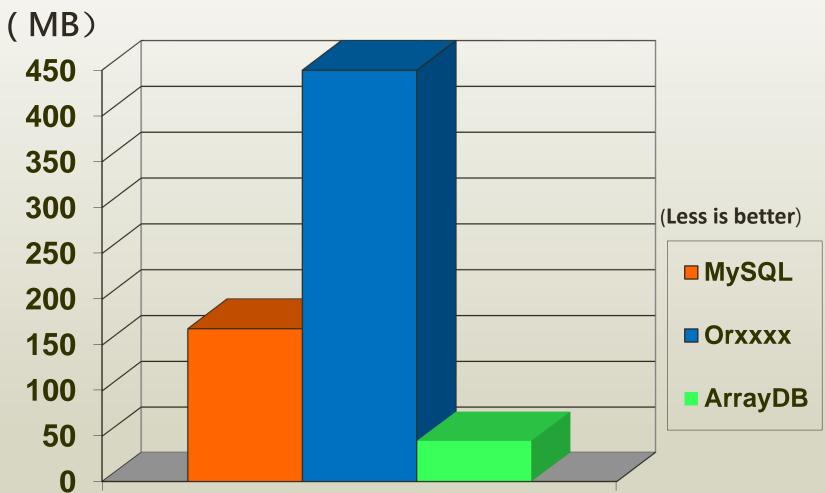


ArrayDB data index is 20X FASTER than B+Tree



4Less Memory Consumption





Test is based on writing 2 million records.



ArrayDB Index Advantage



Traditional B+Tree Index

| Operation | Complexity |
|---------------------------------------|------------|
| Searching for an element | O(log n) |
| Inserting a new element | O(log n) |
| Incrementing/decrementing an iterator | Disk seeks |
| Removing a single element | O(log n) |

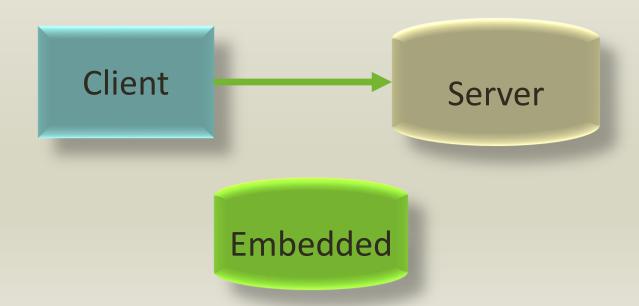
ArrayDB Index

| Operation | Complexity |
|---------------------------------------|---------------|
| Searching for an element | O(1) |
| Inserting a new element | O(log n) |
| Incrementing/decrementing an iterator | No disk seeks |
| Removing a single element | O(1) |

ArrayDB Products



- ✓ ArrayDB Server (Servicing requests)
- ✓ ArrayDB Client (Making requests)
- ✓ ArrayDB Embedded (Standalone data storage)



ArrayDB Use Cases



- ✓ Analytical applications which require high performant data storage and retrieval
- ✓ High speed data cache server with low RAM requirement (e.g., in the cloud)
- ✓ Client-Server analytical database server

SQL and NoSQL Support



☐ SQL Support

```
select * from table1 where uid = 'niceguy';
select * from table1 use index ( idx_email )
where email = 'niceguy@yahoo.com';
```

■ NoSQL Support (No Schema)

Programmers can insert any data into non-key field



Q&A

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