

MongoDB와 대용량 데이터

3 MongoDB vs Wide Column Database

OLTP

1.

OLTP vs OLAP

Online Transactional Processing

Business Process

- 대량의 Transaction을 처리
- 간단한 쿼리
- CRUD 다양하게 사용
- 빠른 응답 속도 필요
- Business Operations

OLAP

1.

OLTP vs OLAP

Online Analytical Processing

Business Data Warehouse

- 대량의 데이터를 처리
- 복잡한 쿼리
- Select(Aggregation) 기반
- 응답 속도가 우선순위에서 떨어짐
- Business Decisioning

Wide Column Database

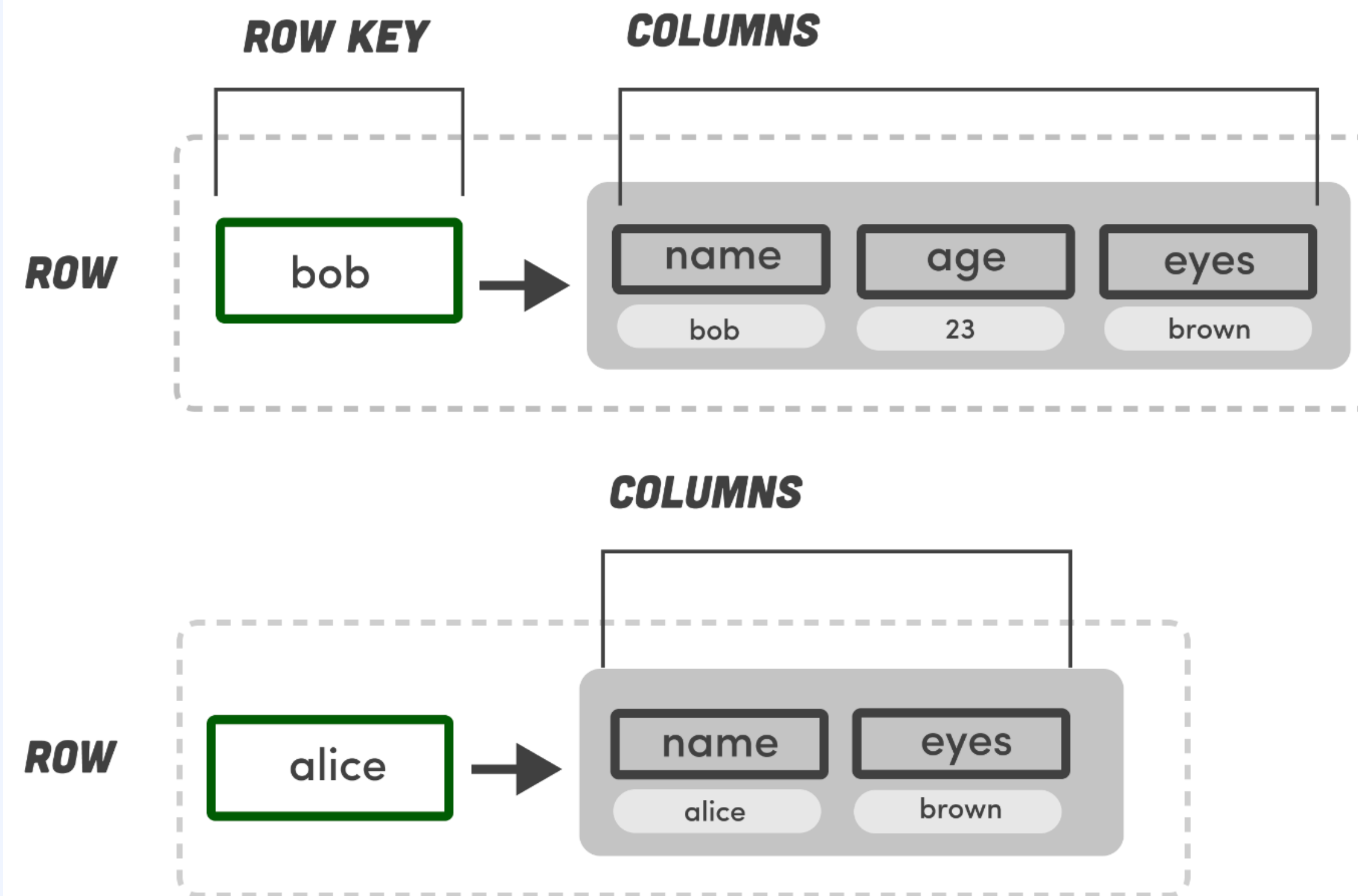
2.

Wide Column Database

2. WIDE COLUMN



APACHE
HBASE



Row Block Read

2.

Wide Column
Database

MongoDB or Relational Database					
transaction_no	user	stock_name	transaction_type	price	stock
1	Tom	Ebay	sell	1500	100
2	Tim	Google	buy	2300	50
3	Kev	Samsung	buy	1300	10000
...
...
999999	Prince	Amazon	sell	1600	5300

Column Block Read

2.

Wide Column
Database

Wide Column					
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