Schema Modeling

1 Modeling에 대한 정의

What is Modeling?

Modeling 정의

Application의 요구사항과 Database 성능의 균형을 맞추는 것
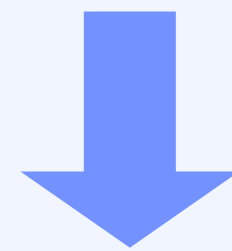
공략법

Embedding vs Referencing

Embedding

Appointments

- patient
- date
- type
- result

  - procedure
  - price
  - comment

- doctor

Referencing

Appointments

- patient
- date
- type
- result
- doctor

Results

- procedure
- price
- comment
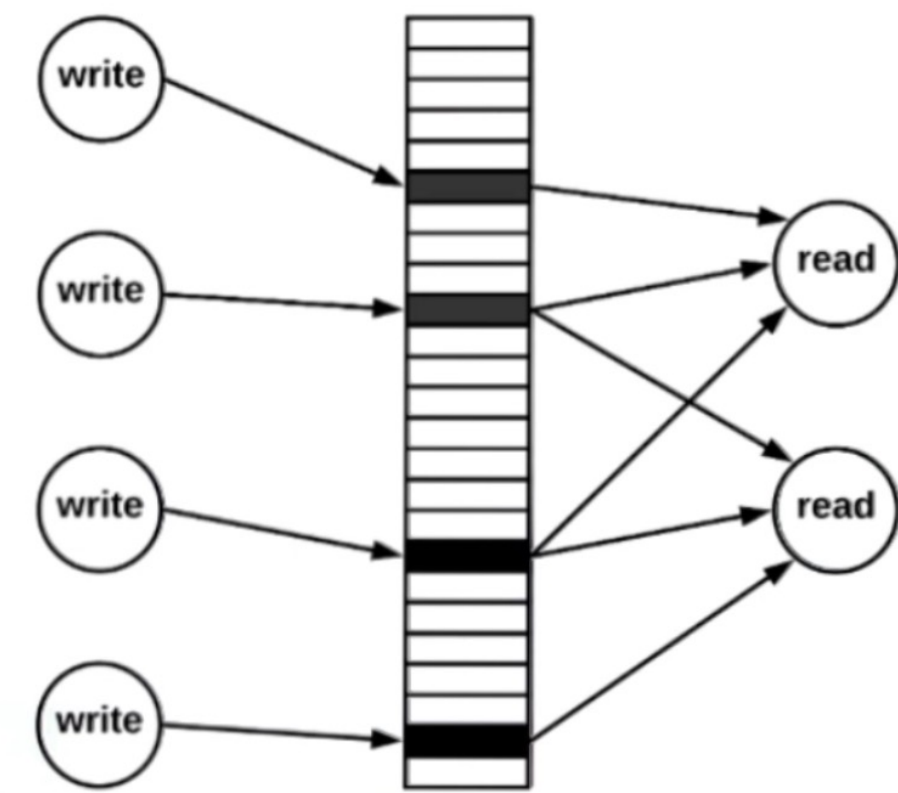
Reducing Long Array's

Reducing Resources

CPU

Memory

Fan Out Operations

Fan Out on Reads

Fan Out on Writes
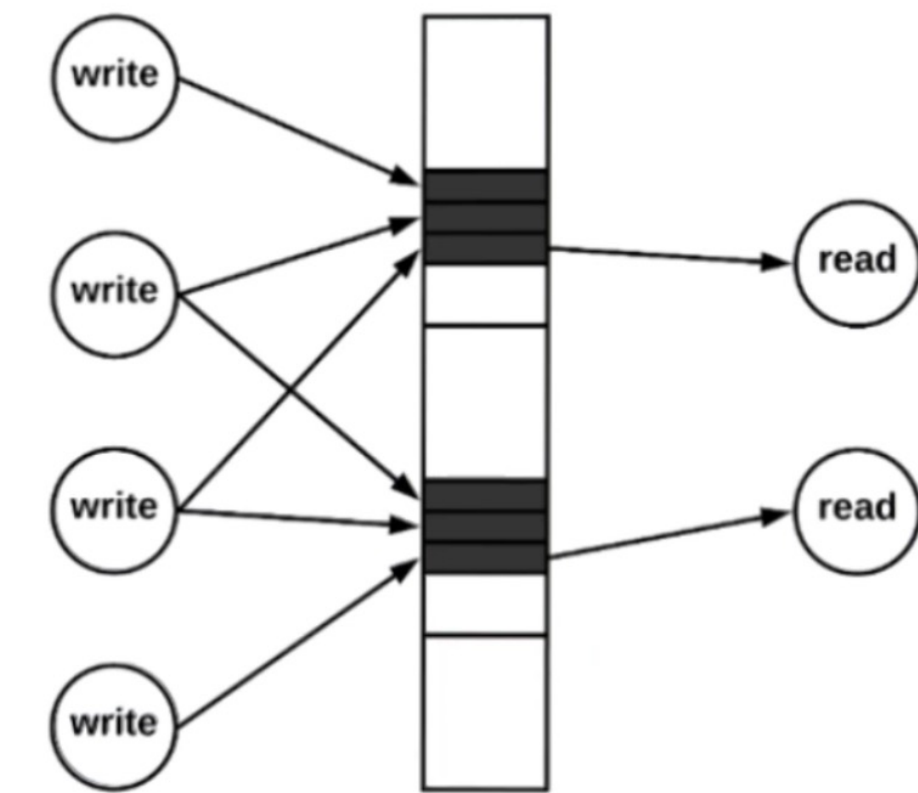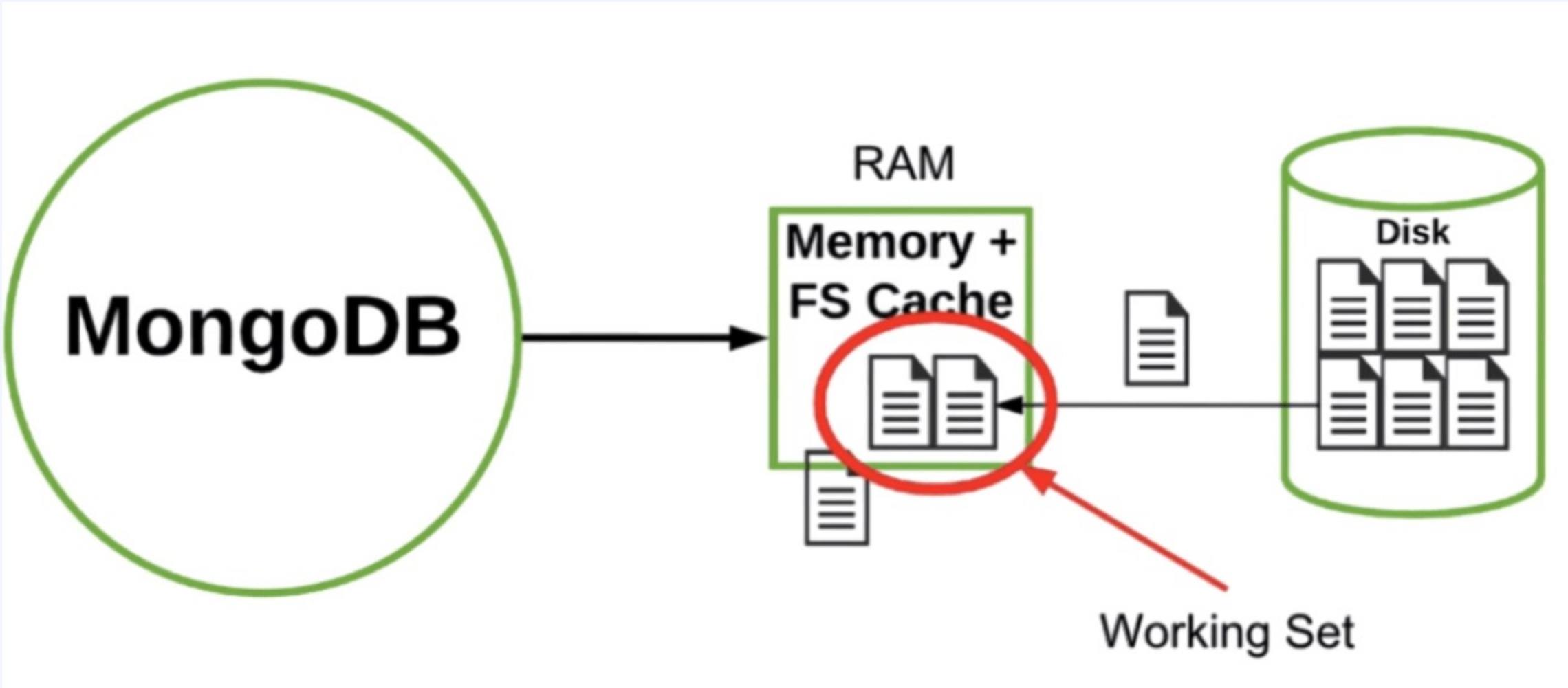
RAM

MongoDB

Memory + FS Cache

Disk

Working Set

Reducing Resources

2.

Storage

86,400 Documents

24 Documents

Easy Managing

Many Collections
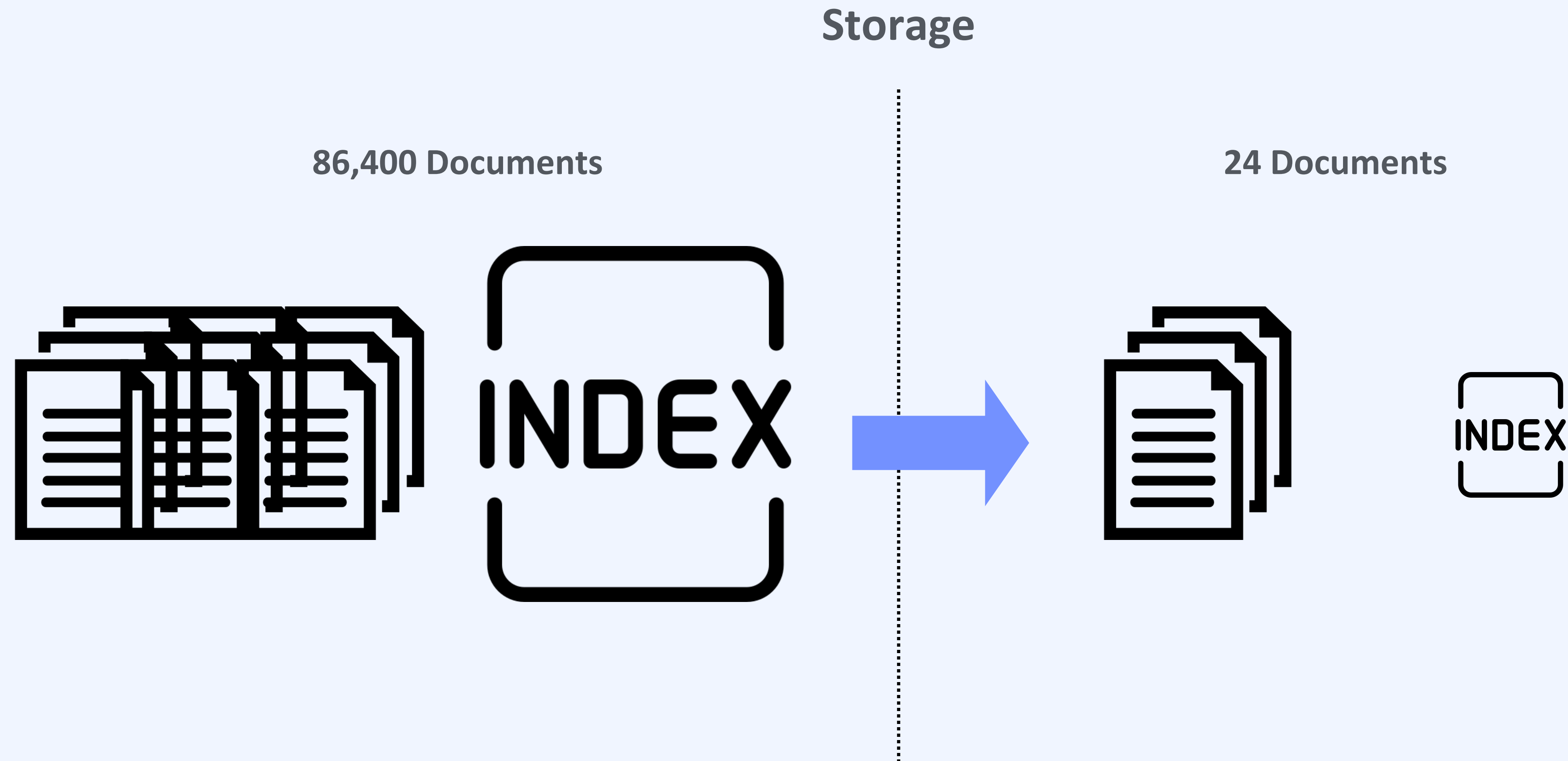
Collection
Collection
Collection
Collection
Collection
Collection

Unpredictable Fields

Collection

{name: "Drinking Water", brand: "Evian", tag: "Mineral"},
{name: "Baloon", shape: "round", volume: "200cc"},
{name: "Server", memory: "32G", storage: "2TB"},
{name: "Candy", color: "red", taste: "lemon"}
…