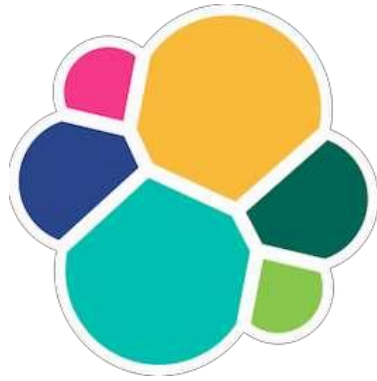


FULL-TEXT SEARCH

Couchbase Users Need to Search their Documents



elastic



What is Full-Text Search?

The Google logo, featuring the word "Google" in its characteristic multi-colored font (blue, red, yellow, blue, green, red).

Google Search

I'm Feeling Lucky

What is Full-Text Search?

BETA BUILD

Activity Classic UI Documentation Support Administrator

local > Full Text Search > Search Results

Dashboard
Servers
Buckets
Indexes
Search
Query
XDCR
Security
Settings
Logs

sheraton Search ☐ show advanced query settings

Results for travel

Show Scoring

1. hotel_25676

name

- Sheraton Fisherman's Wharf

geo

- -122.4135000776531,37.789996383313

2. hotel_6169

geo

- -123.01731603756019,38.80865096785328

name

- Vintage Towers Bed & Breakfast Inn

3. hotel_1361

geo

- 4.805948712119346,43.94757304665342

name

- Hotel Danieli

Result Text Snippets

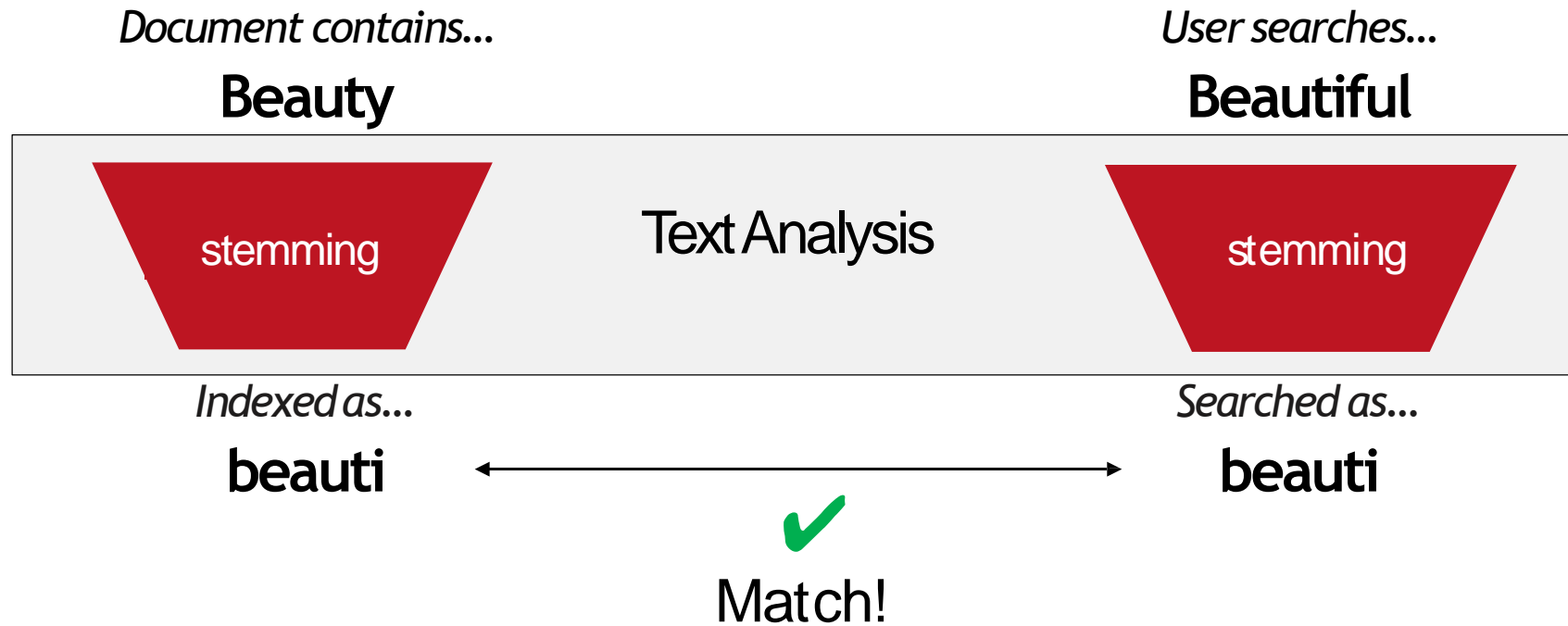
Search Term Highlighting

©2017 Couchbase Inc.

Inverted Index

Indexed Terms	Document ID Postings List
cozi	hotel_1289, hotel_3376, hotel_5022, hotel_9994
luxuri	hotel_0092, hotel_1289, hotel_8989
small	hotel_3376
spacious	hotel_0092, hotel_1289, hotel_3376, hotel_5022, hotel_8989, hotel_9994

Language Aware



Relevance Scoring

BETA BUILD Activity Classic UI Documentation Support Administrator

local > Full Text Search > Search Results

Dashboard Servers Buckets Indexes Search Query XDCR Security Settings Logs

hotel Search ☐ show advanced query settings

Results for travel

Show Scoring

1006 results {51ms server-side}

1. hotel_8349

2. The Hotel Monaco

geo

-122.41180006005145,37.78669999628018

3. hotel_21045

name

Burton Hotel

geo

-3.031390007359761,52.20313998456186

1006 results

Index Mapping

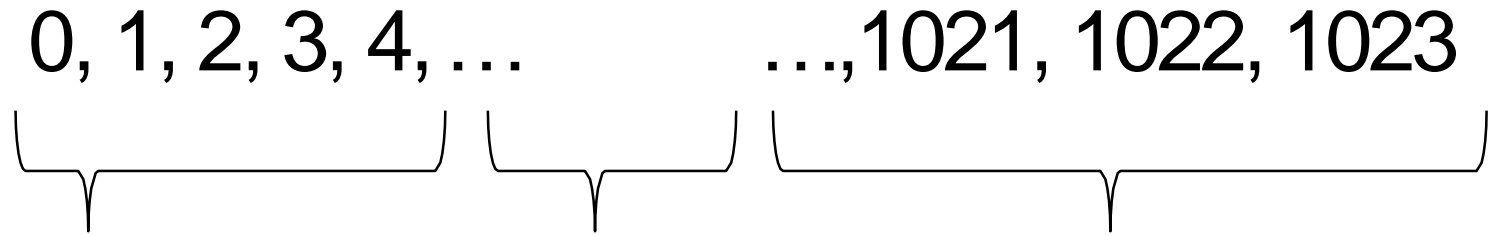


▼ Type Mappings

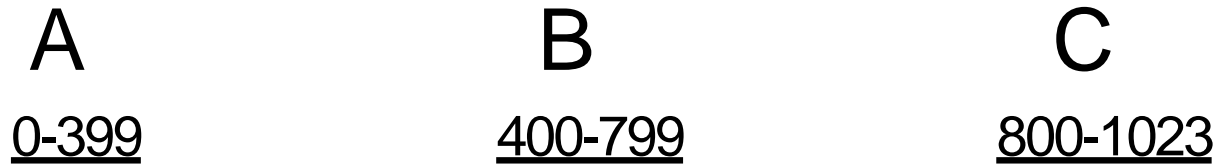
```
# default
repositories | text
status | text | index | store | include in _all field | include term vectors
createdAt | text | index | store | include in _all field | include term vectors
title | text | index | store | include in _all field | include term vectors
assignedId | text | index | store | include in _all field | include term vectors
id | text | index | store | include in _all field | include term vectors
type | text | index | store | include in _all field | include term vectors
{} developerInfo | only index specified fields
  email | text | index | store | include in _all field | include term vectors
  lastName | text | index | store | include in _all field | include term vectors
  firstName | text | index | store | include in _all field | include term vectors
```


FTS Design / Index Partitioning

bucket partitions:
(1024 vbuckets)

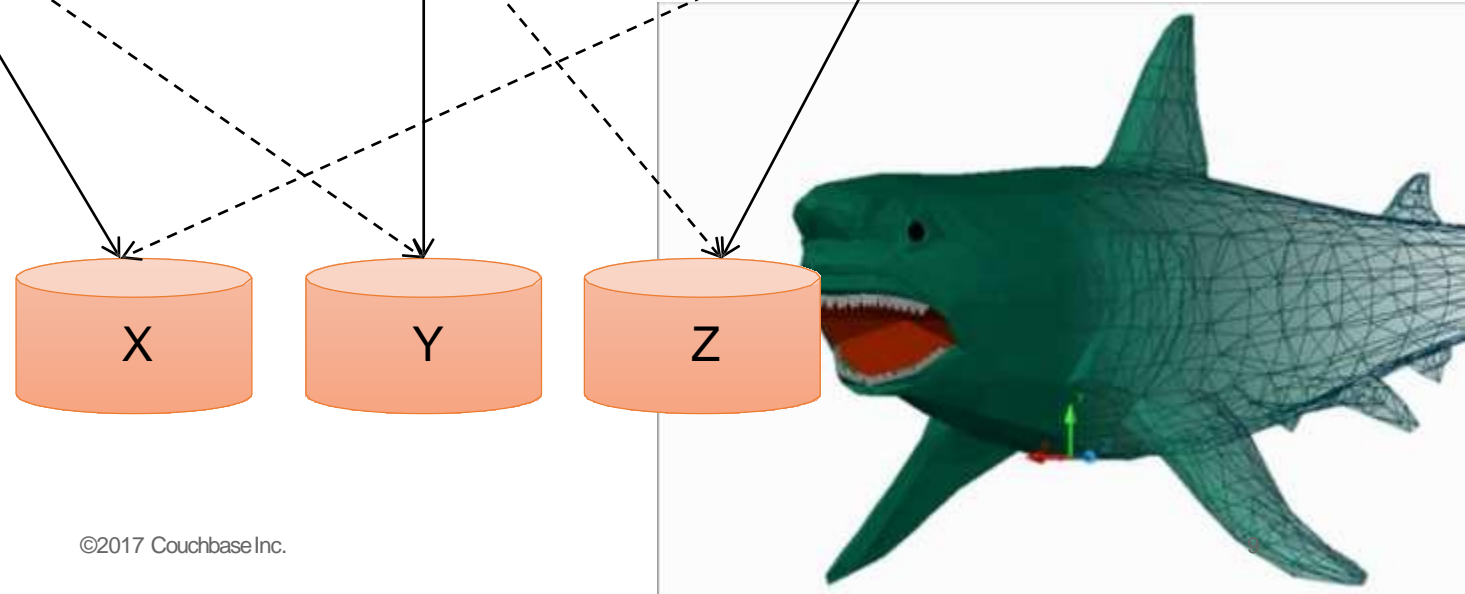


index partitions:
(groups of vbuckets)



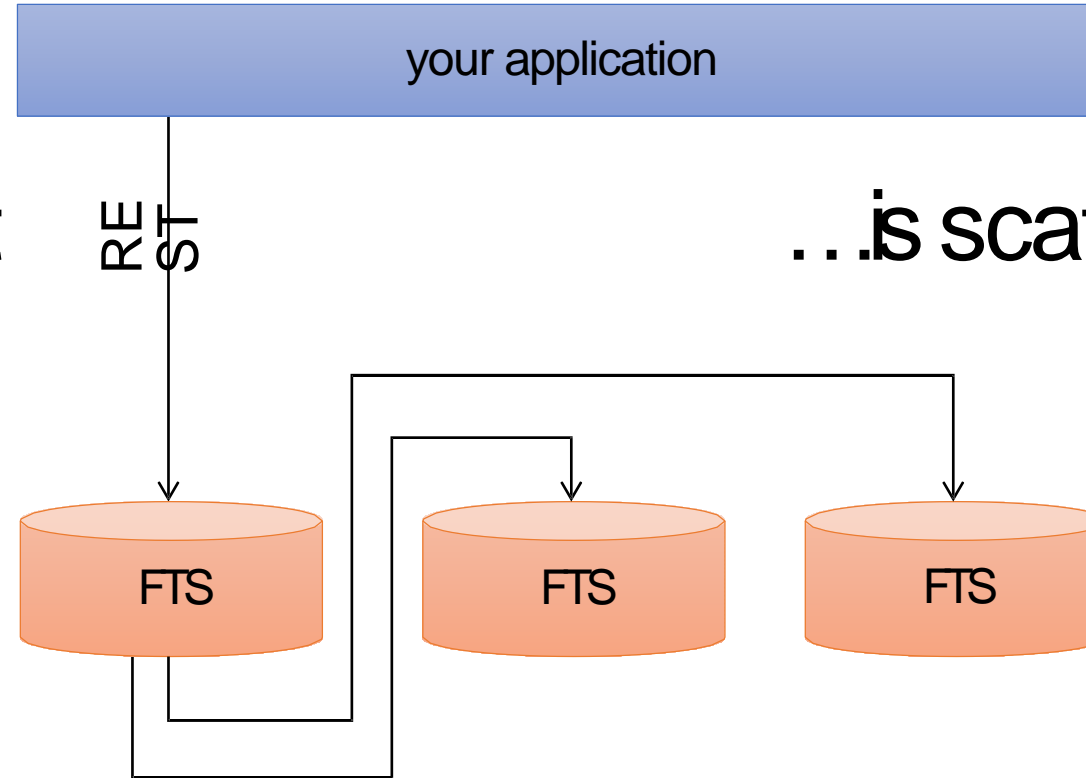
assign to FTSnodes:
replicas, too:

FTSnodes:



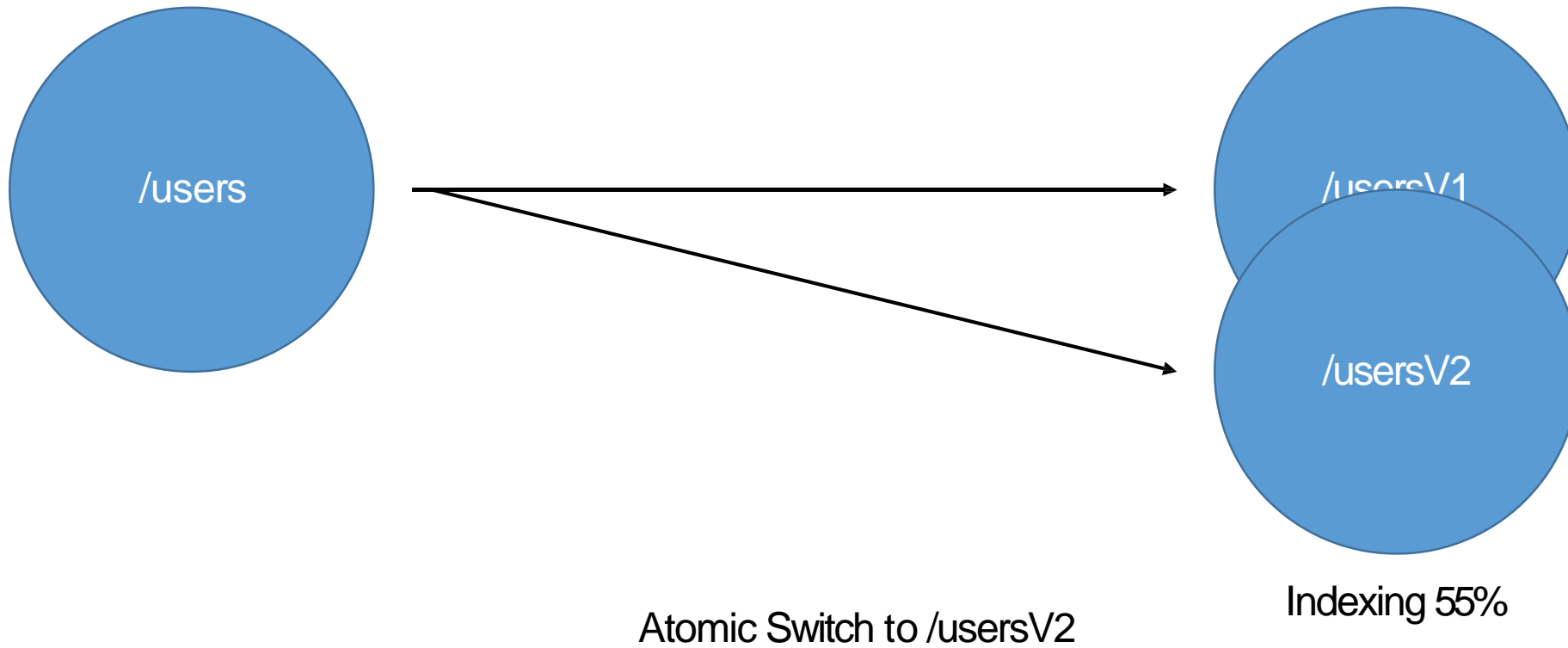
FTS Design/ Querying

a query sent
to any FTS
node...



...is scatter / gathered
to the other
FTSnodes

Always Use Index Aliases



Lab : Full Text Search