MORRODD mongo deign for blog posts pod y anghor anshor boody Connents date pernaliak tags: [] +i+le Supposard duta access patterns:

> collecting most recent entires > collecting all intermedian to > collecting all comments by bad access pattern for: providing a table of contents Alt. Schenz for Blog Jags E Posts & Lommos ¿ post\_id @ tag
post\_id anten author\_enal( order:0 3 donte doesn't work particularly well

If it feels relational, it is probably wrong schema for MDB L'inny u/o constraints REL -> foreign key constrains MDB -> data consistency is programers responsibility > connert ombedded 11 -> embed data in ways that Life w/o +ransactions MDB HAT ATOMIC SPERATIONS - when working on a snyla de.

No one else can access it woll

you finished restructure implement tolerate JAN Sch Xxxxx / Ch

employee: resume
bilding: Floorplan
e {
-id:30 \id:30
same (c. jobs:
some: 30/
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Continue of pares
- frequency of access
- it less tregues 1 001 101
(store seperately)
- size: > (6mb most be REF anonymicht of data
- anonymich of data

one-to-one sc. 1 ations

one-to-many city: person oryc on people dup linte too large people ? name

people: [] name: C: This ¿ Name TRUE LINK (NG people ? "Jim"
Two coty & city: "Ny("
Collections -id: "Ny(")
The collections -id: "Ny(") TRUE LINKING

one to few blospost: comments posts { rand COnners : C3 Many-to-many
BOOKS -> AUTHORS STUDENTS -> TEACHERS FEW: FEW (USUALLY) Books

Authors

Tid

Title

authorname

books: [] \* could embed books in authors doc

Students: feachers  == == == == == == == == == == == == ==
MULTIKEY (milikey indexed)  Students Jeachers  2 - 72 : 0 ( - id : 2 )  name: "Im teachers: [5,1,2] 3 name: "Ts" 3
db. students. Find ({'teachers':

db. students. Ensure Index ({teachers; })

ab. students. find ({teachers; })

{\$ all : [0,1] 3})

apend . explain() to see what it did

Benefits of Embedding	
- Improved read performance	
High Bandwidth	
Etily Davamann	
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- one randtrip to the DB oategar	
TREES	
HOME: OUTDOOKS: WINTER: SNOW	
Products: category:	
Graduats: category:	
and at same!	
optron (2) childn: []	
3 ancestors:	
t3,5,9,8,1	
(" « « « »	
db. categories. find ({ ancestors: 343) an element - finds all documents when '341 is in the ancestors array	
- finds all do aments when '341 is in the	
ancestors array	

WHEN TO PENDRMALIZE ):1 - @ made d 1: Many - (enlocal from the many to the 1)
Many: Many - link togs the other to support application enbedding is pertectly acceptable