Introduction To Databases

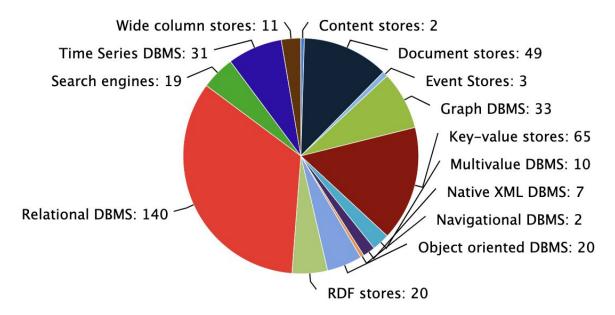
Designing Instagram

Contents

- Database Models and Rankings
- Databases Models
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- Retrieving Information from Table
- Homework: Money Transfer Application

DB Systems By Model

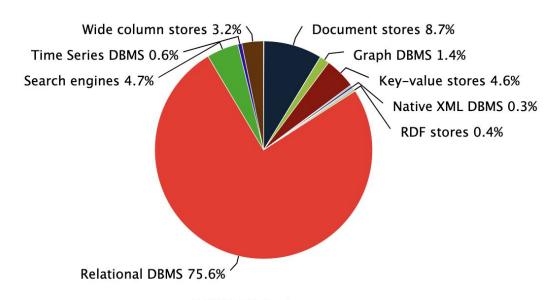
Total: 352



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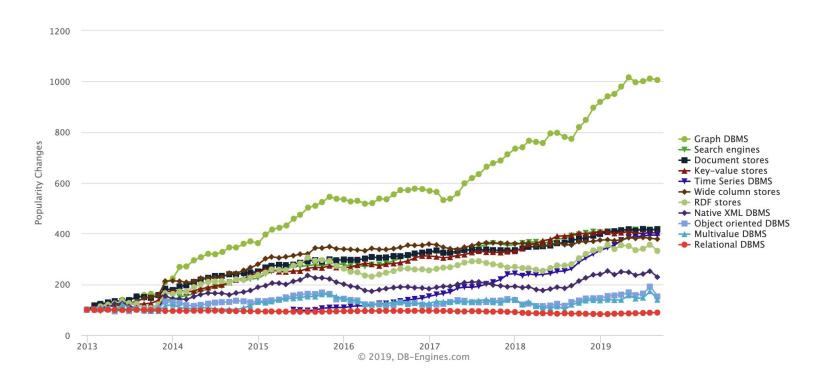
Number of systems per category, September 2019

DB Popularity By Category



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DB Trends

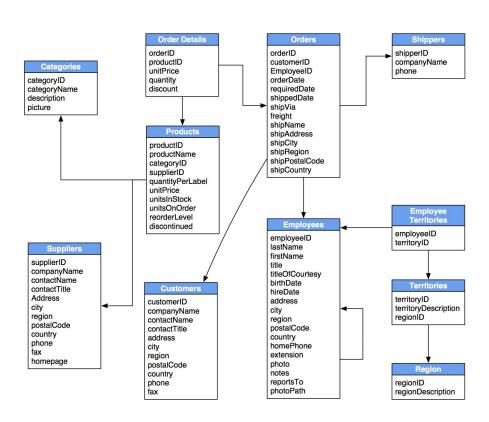


Complete trend, starting with January 2013

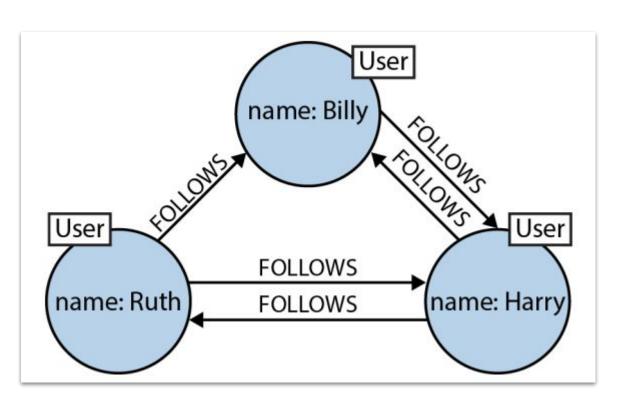
Database Models

Relational Graph Document Key-Value

Relational Databases



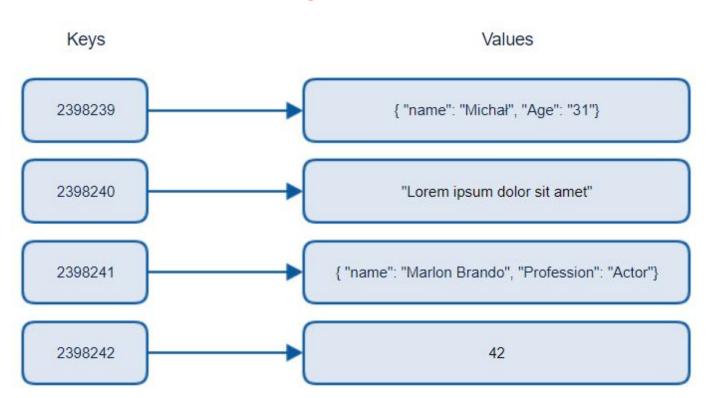
Graph Databases



Document Database

```
"_id": "5cf0029caff5056591b0ce7d",
"firstname": "Jane",
"lastname": "Wu",
"address": {
  "street": "1 Circle Rd",
 "city": "Los Angeles",
 "state": "CA",
  "zip": "90404"
"hobbies": ["surfing", "coding"]
```

Key-Value



Designing Instagram Using Relational Database Model

Retrieving Information From Table

Homework

Money Transfer Application
Relational Database Design

References

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