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# **Fundamentals**

#### Type DataBase:

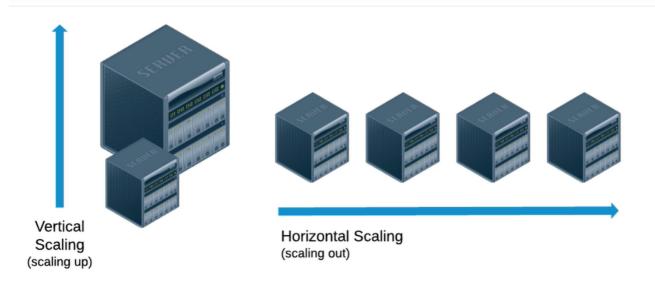
- 1. Relational -> SQL, MySQL, and PostgresSQL
- 2. Document -> MongoDB
- 3. KeyValue -> Redis
- 4. Graph model -> Social Network
- 5. Wide-column -> NoSQL database

======= MongoDB vs Postgres ========

| DB              | MongoDB     | Postgres   |
|-----------------|-------------|------------|
| type:           | Document    | Relational |
| Organized into: | Collections | Tables     |
| Query language: | NoSQL       | SQL        |
| Scaling factor: | Horizontal  | Vertical   |
| Schema:         | Flexible    | Rigid      |

======= MongoDB vs Postgres ========

## Scaling DB



#### ACID - transactions

- fully read data
- data not lost
- only one option or read or no

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======== MongoDB ========

### Mongoose

1. Elegant mongoDb object modeling node.js

