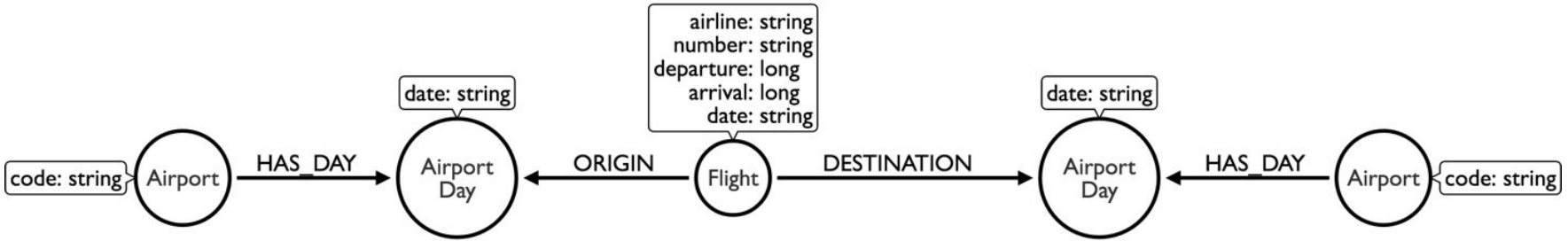
Specific Relationship Types

What are we going to do?

- Granularity of relationship types
- Refactor our model to use more specific relationship types

Our current model



So what's the problem?

Neo4j is optimized for searching by relationship types. As we add more data, the number of HAS_DAY relationships that we have to traverse increases.

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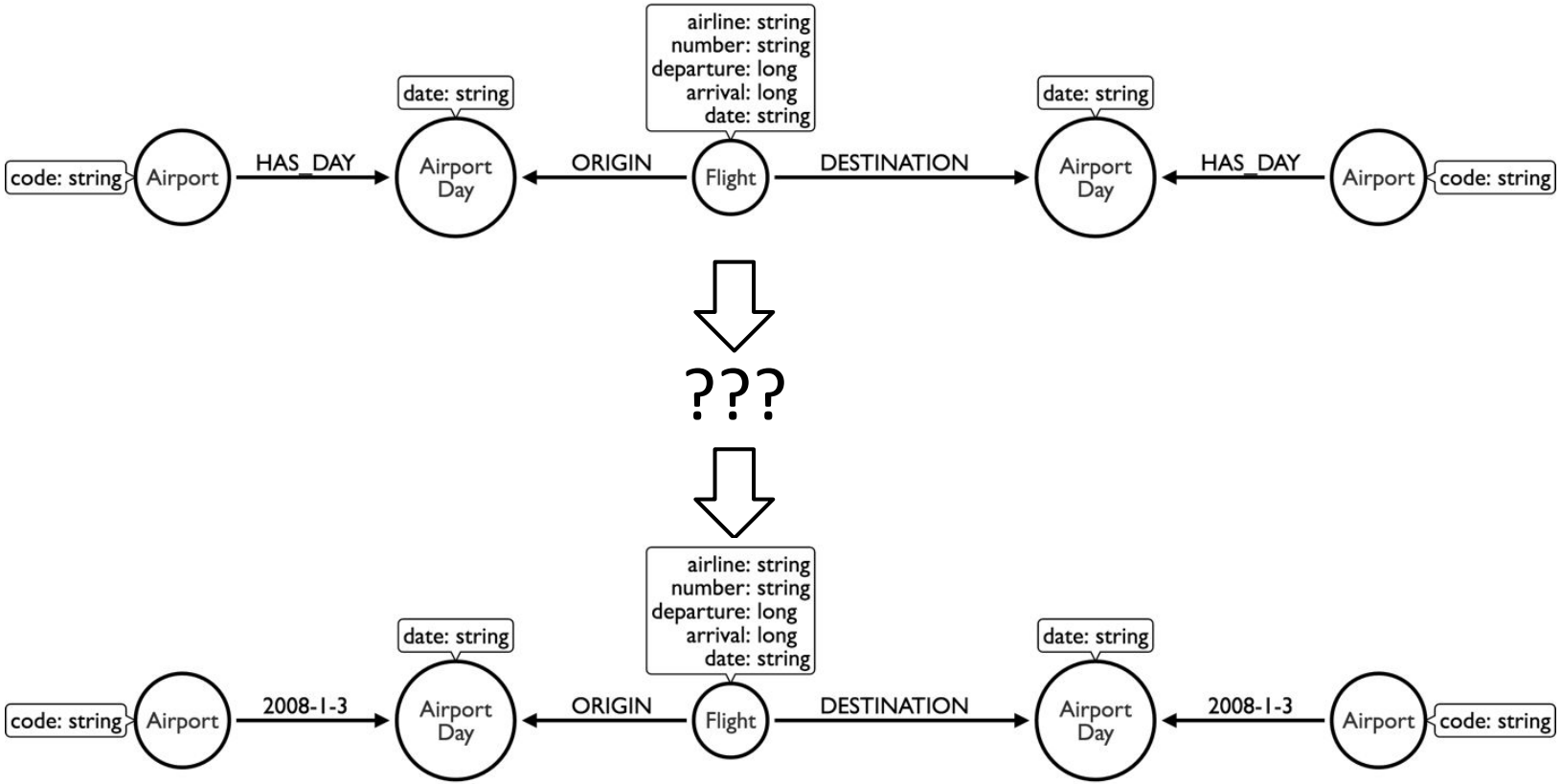
If we have 10 years worth of data we have to traverse 3,650 relationships from the `Airport` to find the `AirportDay` that we're interested in.

Refactoring: Derive relationship from property



Refactoring: Derive relationship from property

We have this pattern:

```
(airport)-[:HAS_DAY]->(airportDay {date: "2008-1-3"})
```

And we'll create a new relationship using the `date` property on `airportDay`:

```
(airport)-[:`2008-1-3`]->(airportDay {date: "2008-1-3"})
```

Start playing the next guide….

...if you aren't playing it already

Specific Relationship Types

```
:play http://guides.neo4j.com/modeling_airports/04_specific_relationship_types.html
```

End of Module
Specific Relationship Types

Questions ?