

## Relational



Amazon Aurora



Amazon RedShift



Amazon RDS



AWS Database Migration  
Service  
*DMS*

## Document



Amazon DocumentDB

## Graph



Amazon Neptune

## Ledger



Amazon Quantum  
Ledger Database  
*QLDB*

## Time Series



Amazon Timestream

## Key-value



Amazon DynamoDB

## In-memory



Amazon ElastiCache  
*Memcached*  
*Redis*

# Relational Database

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## Names

Id	First	Last
1	Mark	Nunnikhoven
2	Walter	Ladd
3	Orlene	Lapierre
4	Jen	Charest

## NamesToBuses

Id	NameId	BusId
1	1	2
2	1	1
3	2	1
4	3	2

## Buses

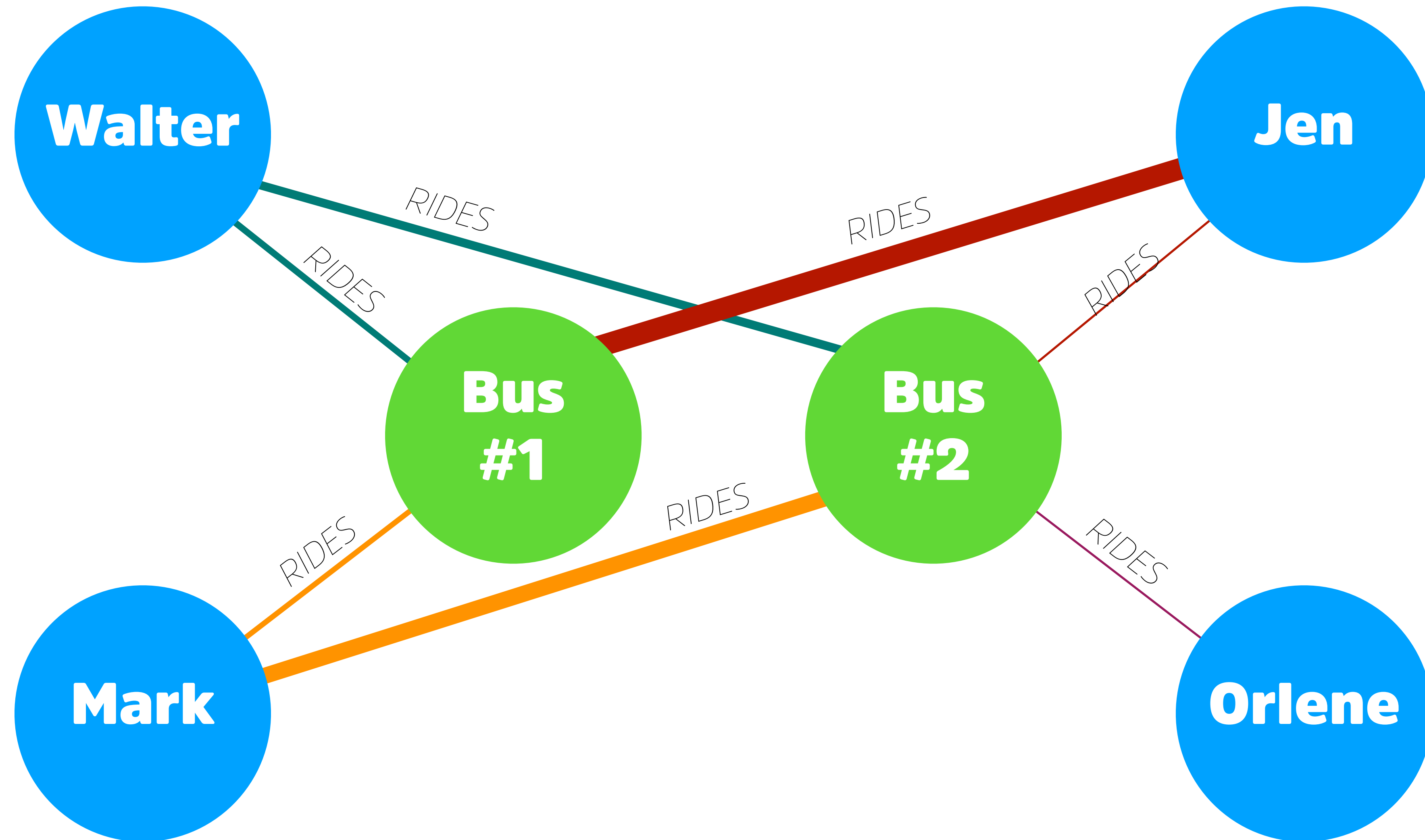
Id	Start	End
1	Airport	Hotel
2	Hotel	Office

## **Relational Database Query**

```
SELECT * FROM Names n  
INNER JOIN NamesToBuses n2b ON n.Id = n2b.NameId  
INNER JOIN Buses b ON b.Id = n2b.BusId;
```

# Graph Database


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# Graph Database Query

```
{  
  Bus {  
    Names {  
      First,  
      Last  
    }  
  }  
}
```

*Syntax depends on the  
graph query language used  
but the concepts are the  
same*



# Amazon DynamoDB

## Customer

 ObjectId	First	Last
Customer-First-Last-##	Mark	Nunnikhoven

## Bus

 ObjectId	Start	Finish	Stops
Bus-##	Location Name	Location Name	[ Location Name, Location Name, ... ]

## Ride

 ObjectId	FirstBusStop	LastBusStop	BusID	CustomerID	...
Ride-TIMESTAMP-BUS-##	Location Name	Location Name	Bus-##	Customer-First-Last-##	...