

PicPay

Resiliência e Disponibilidade Transacional no Mundo dos Microserviços

Jonathan Henrique Medeiros



Índice

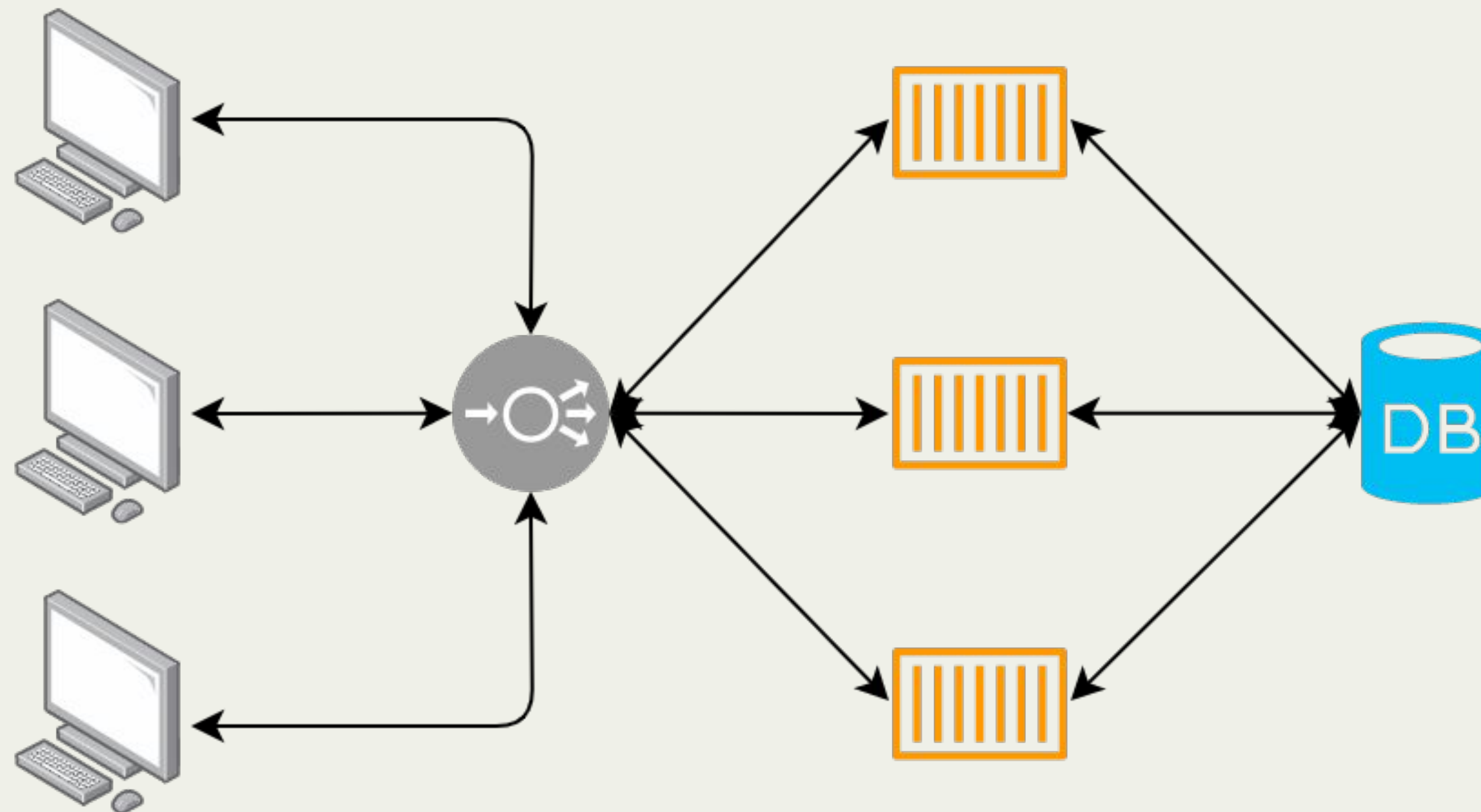
- **Arquitetura distribuída.**
- **Arquitetura de replicação de dados.**
- **Dynamic Data Source Routing.**
- **Exemplo de caso de uso.**



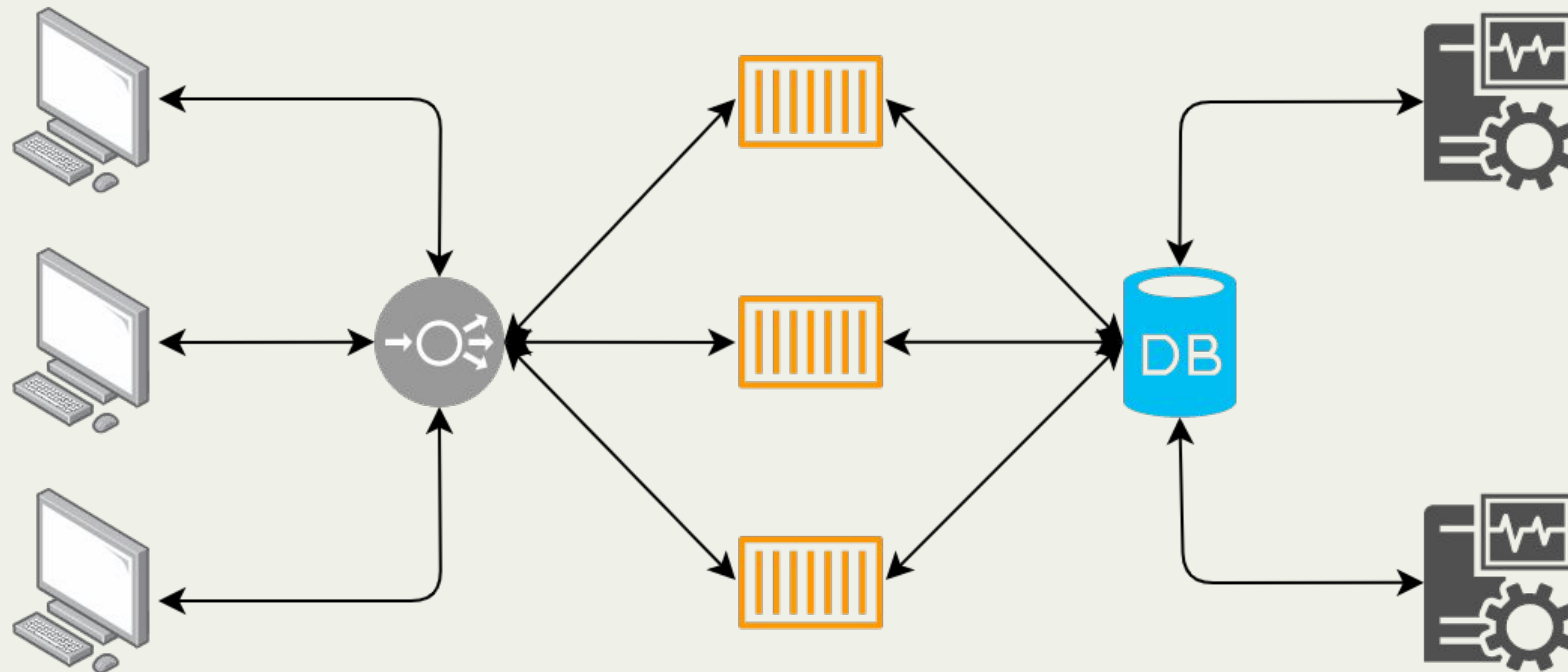
Arquitetura Distribuída



Cenário tradicional

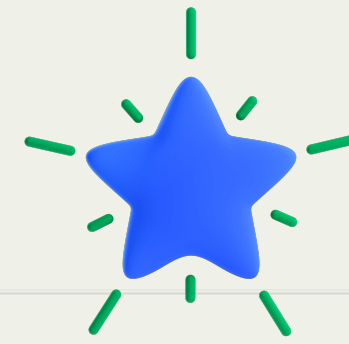


Cenário com extratores de dados

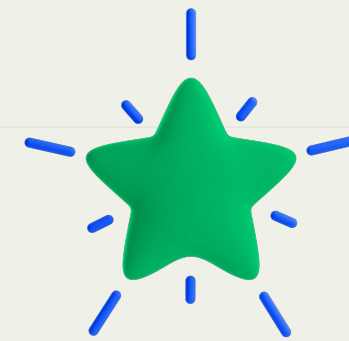


Arquitetura de Replicação de Dados



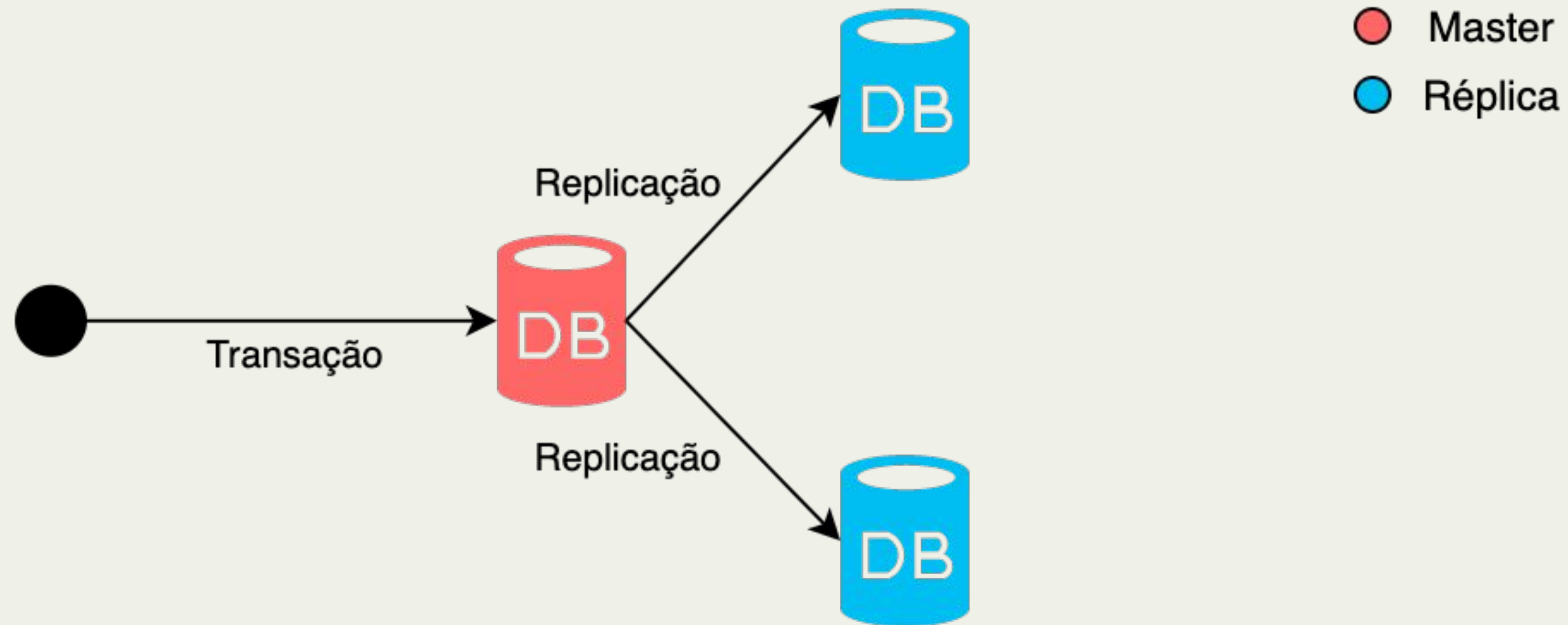


Single-Primary Database Replication

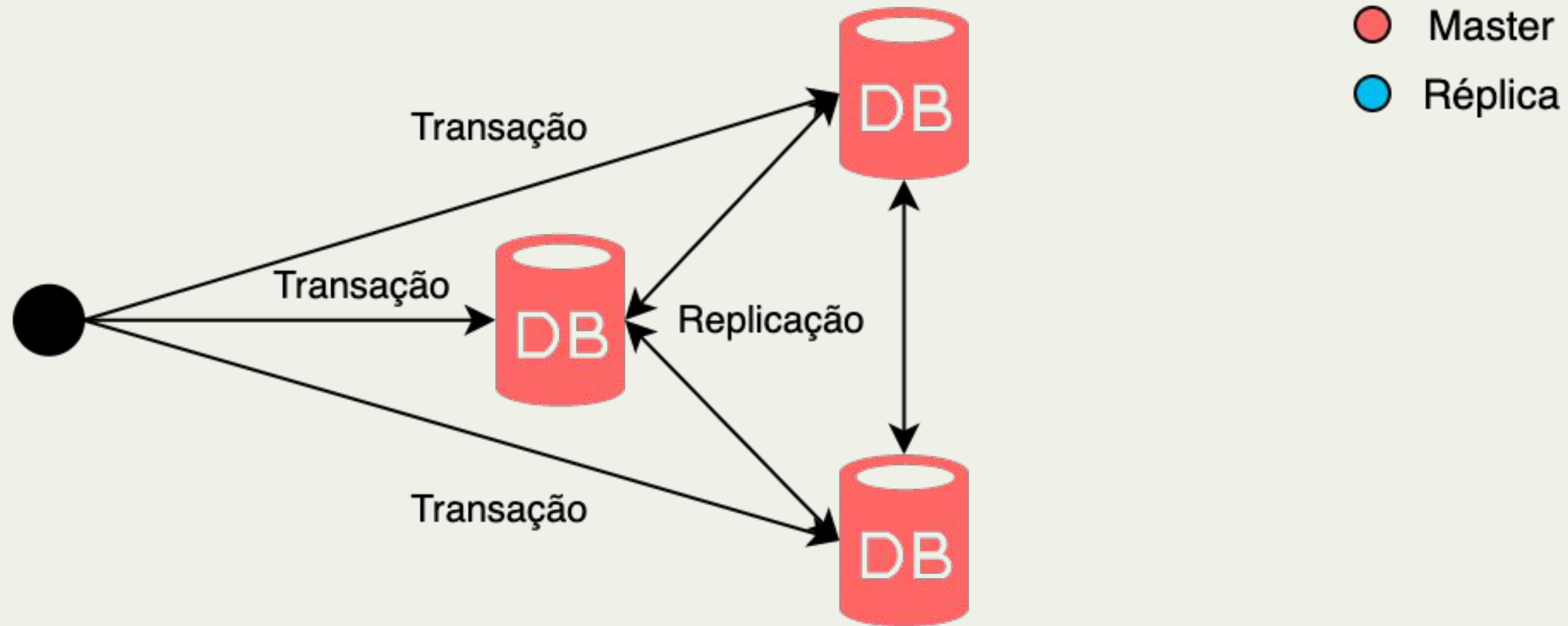


Multi-Master Database Replication

Single-Primary Database Replication

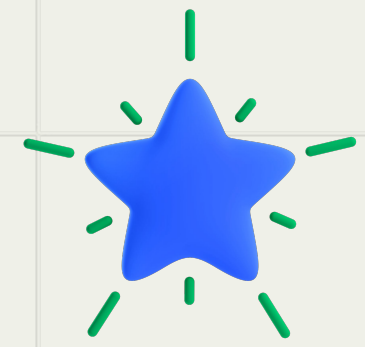


Multi-Master Database Replication



Dynamic Data Source Routing

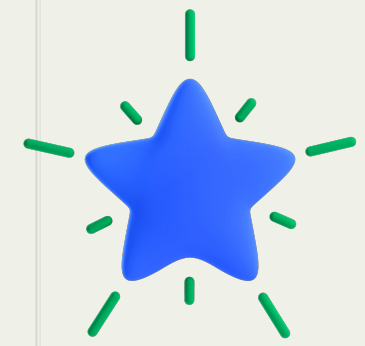




Acessar "N" fontes de dados diferentes

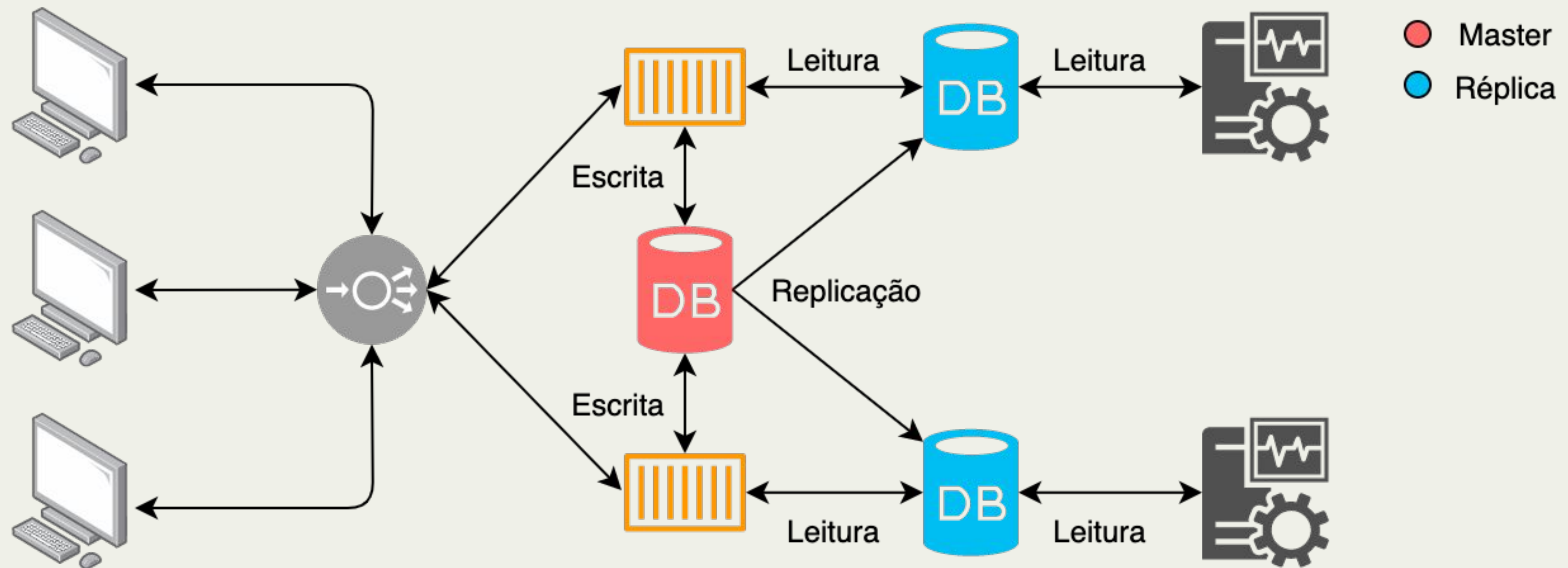


Multitenancy



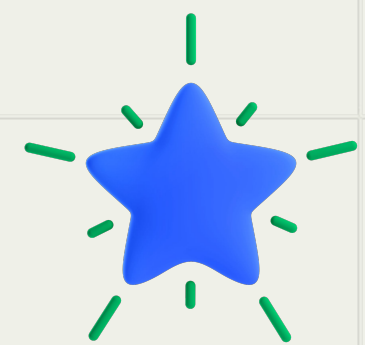
Dimensionar operações READ/WRITE

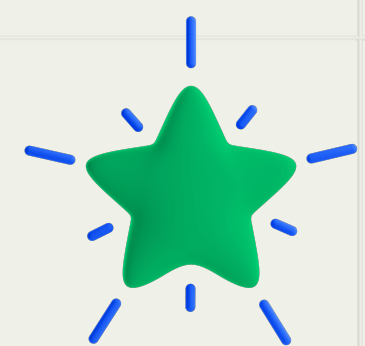
Cenário com Dynamic Data Source Routing



Show me
the **CODE!**

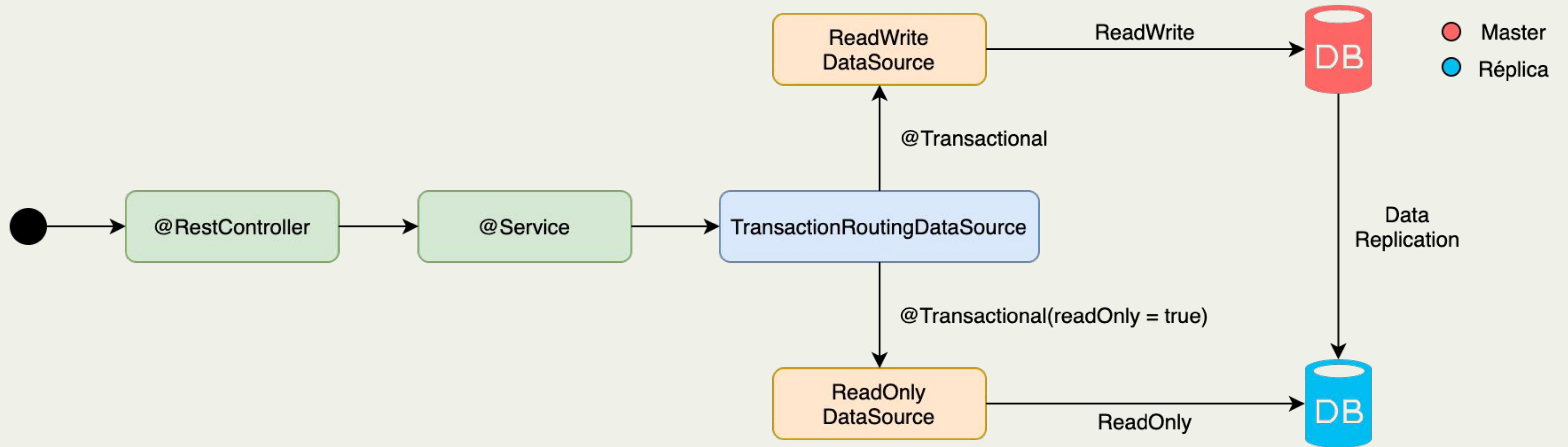


 **Um DB MASTER para operações de escrita**

 **Um DB RÉPLICA para operações de leitura**

 **Stack: Java, Spring, MySQL e Docker**

Dynamic Data Source Routing



PicPay



Obrigado!

