

RoachFest

**Build better.
Dream bigger.**

#RoachFest22





From outage to uptime: Shipt's journey to CockroachDB

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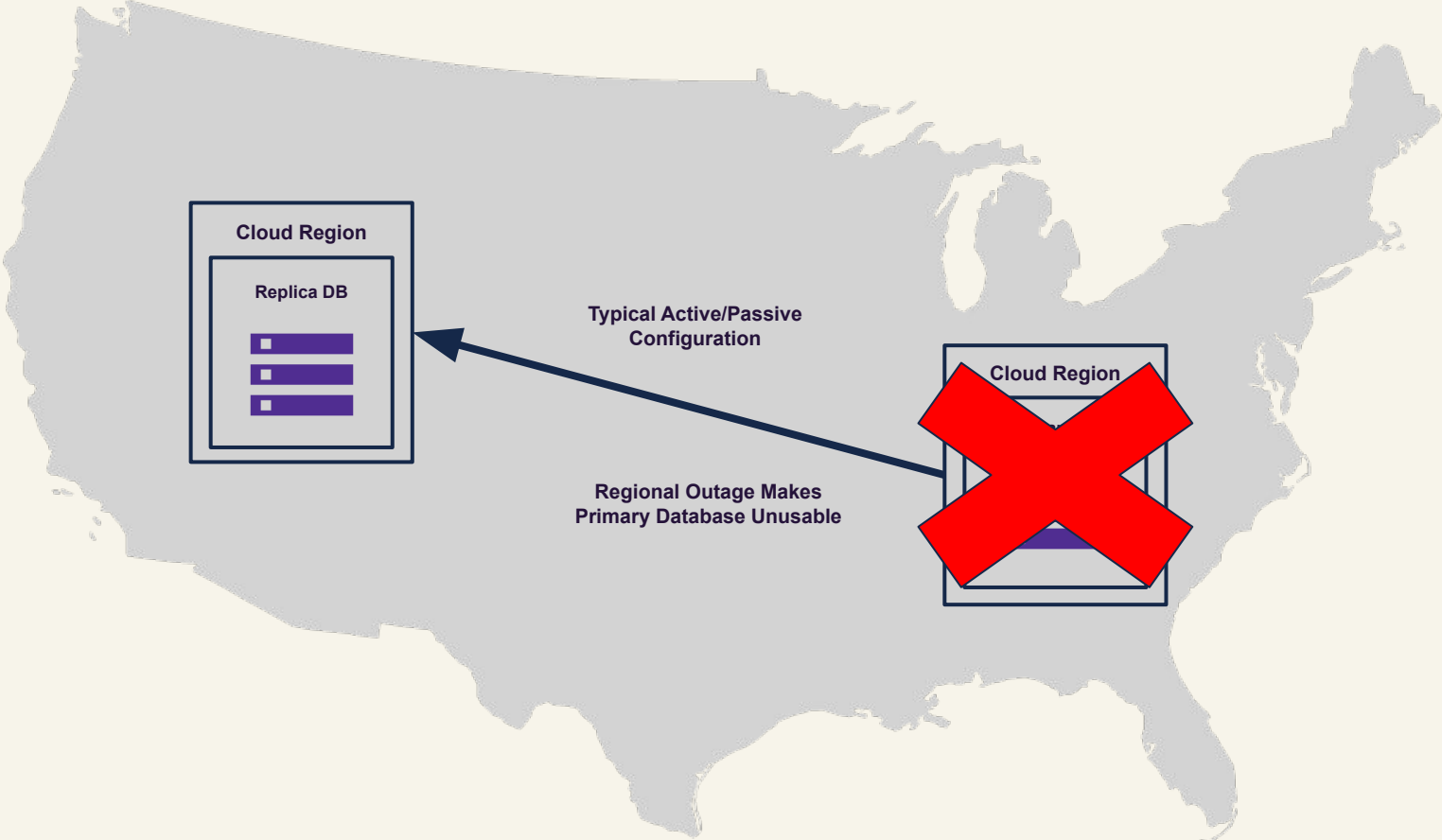


Shipt Facts

- **Same Day Delivery of Groceries and Consumer Goods**
- **Founded in 2014**
- **Acquired by Target Corp. in 2018**
- **120+ Partners, 5000+ Cities, 300K+ Shoppers Across the US**



Critical Database Architecture Setup



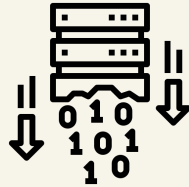
Regional Outage Complications



- Manual Intervention



- Potential >0 RPO



- Dependency Untangling



- Environmental Differences



Multi-Region High Availability Initiative



- Multi-Region
- Active/Active Configuration
- Managed, Auto-Failover
- Hosted in Preferred Cloud and Regions
- Low/No Downtime Maintenance
- ACID-Compliant
- “Speaks” Relational, i.e. PostgreSQL

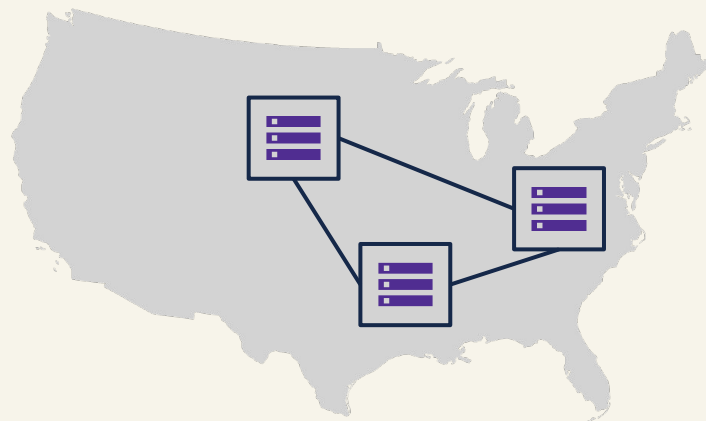
Making literally any decision



Where Are We Now?



- Multi-Region Production Deployment
- Ongoing Consulting/Training with Cockroach Customer Success Team
- Evaluating “Tier 0” Services for Migration/Deployment to CockroachDB





- Distributed SQL Requires Some Schema Changes
- Ensure Handling of “Server Shutting Down” Messages to Reconnect During Rolling Maintenance
- CockroachDB Dedicated Does Not (Yet) Expose Prometheus Metrics For Monitoring/Alerting Purposes



Shipt 