



Shaping Healthcare Possibilities

Success Story

Enhancing data processing and availability through cloud migration

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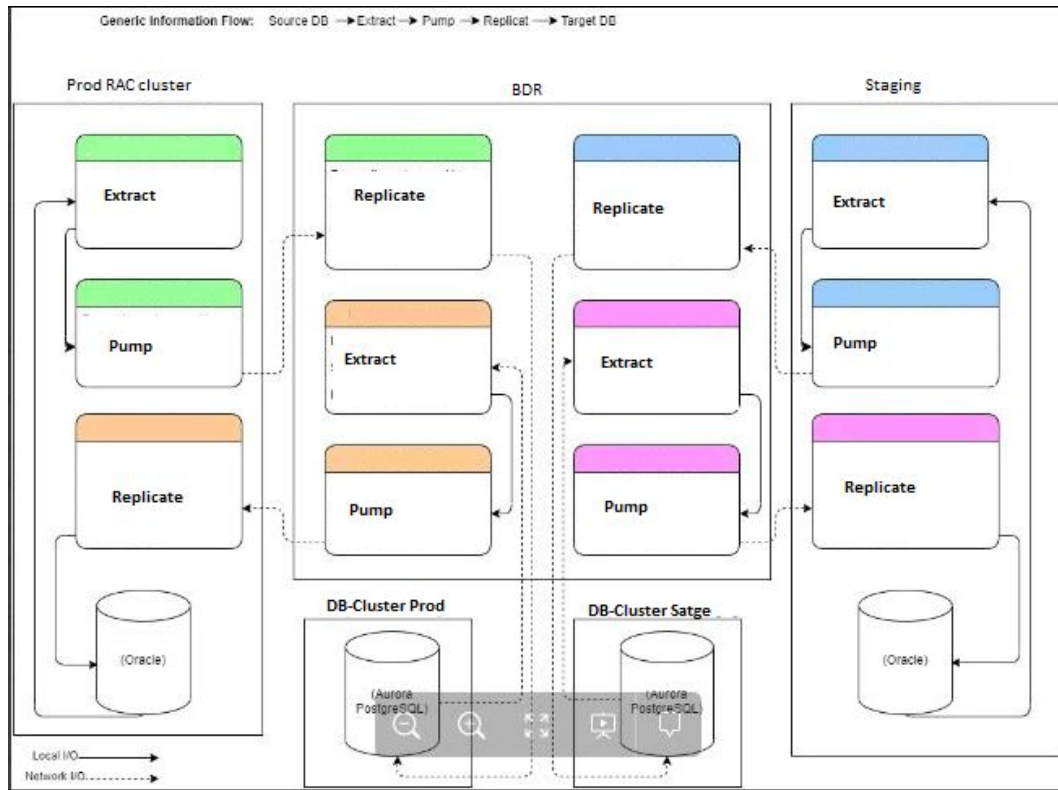
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The Challenge

- Client is specialized in developing, managing and licensing medical vocabularies. Client partners with 740k physicians, medical content providers and EHR developers with presence in more than 40 countries worldwide.
- Client wanted to move from Oracle to AWS Aurora Postgres RDS Instance in order to reduce infrastructure/licensing costs ,and faster data processing
- Client engaged with CitiusTech to work on oracle to AWS Aurora PostgreSQL Migration for over 40+ Applications, and helping client to completely move from Oracle to Postgres

Solution Highlights



The Solution

- CitiusTech implemented **Bi-Directional replication** using **oracle golden gate replication** to perform migration activity and to encourage parallel operations till all the applications migrated from Oracle to Postgres.
- Leveraged **AWS Database Migration Service** to migrate databases to AWS virtually with no downtime
- Converting application schema and related DB objects using **AWS SCT and AWS DMS utility**
- Leveraged **AWS CloudWatch** to monitor DB metrics for DB Instances for checking overall DB health and alerts were set if DB instance down, replication process stopped
- Prepared approach document for Database Testing for Release Automation Products
- Detailed documentation for BDR Setup & implementation using Oracle golden gate replication



The Outcome

- Created Automation Scripts –for fetching tables /row counts from source and targets to check migration status
- Migration led to up to 3X Higher throughput than Oracle
- Implemented Multi-AZ Deployments with Aurora Replicas for high availability
- Accelerated DB migration and conversation to Postgre for 4 applications in less than a month for TBs of data



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Thank You

CitiusTech - Shaping Healthcare Possibilities.

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With over 8,500 healthcare technology professionals worldwide, CitiusTech powers healthcare digital innovation, business transformation, and industry-wide convergence through next-generation technologies, solutions, and products

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