LIMECHAT SUCCESS STORY

LimeChat

LimeChat at a glance

LimeChat is a WhatsApp Business API solution provider to create WhatsApp campaigns for eCommerce marketing, sales and customer support.

OVERVIEW ⌄

- Customer current infrastructure is hosted on AWS running on the EKS & Elastic Cache.
- No. of deployments – 650 (i.e. Applications).
- RDS Aurora PostgreSQL and S3 were used for Datastores.

PROBLEM STATEMENT ⌄

The deployment ran into a few snags. The customer was missing some of the currently running files. There was a cloud service difference: password parameters are not required for AWS's Elastic Cache but are essential for Azure Redis to connect. Also, the database migration failed due to limitations on the source server that prevented us from increasing its processing power.

SOLUTION APPROACH & JOURNEY ⌄

1. **Manual Azure Deployment Prep:** Export & update deployment files (services, configs, secrets, ingress) for Azure.
2. **Large DB Migration :** Used 3rd party tool due to lack of native support for migrating 2TB DB (Read replica considered).
3. **Code Refactoring for Azure Cache:** Application code modified to work with Azure Redis Cache.

KEY HIGHLIGHTS ⌄

1. Migrated 650+ microservices within 1 month of duration.
2. Only 10 minutes of downtime for datastore cutover.
3. We have restructured and maintained the deployment of all microservices on Azure.

RESULT ⌄

We completed the migration activity with one month of duration and minimum downtime for the final cutover.

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