

Reduced 50% operational cost for a leading retail chain in the Philippines through AWS cloud migration

Oracle Retail and EBS Transformation to AWS Cloud

About the Customer

Metro Retail Stores Group is a leading operator of department stores and hypermarkets in the Visayas region, in the Philippines. According to retail sales value, it is the second largest supermarket operator. It is expanding consistently and now its business includes multiple store formats ranging from department stores and supermarkets to hypermarkets. In 2019, it was awarded 'Retailer of the Year' at the Outstanding Filipino Retailer (OFR) Awards.



Challenges:

- *Lack of high availability for applications and databases, which affected the operational performance*
- *Difficulty to scale and handle traffic spikes and loads*
- *Need to complete migration before the expiration of on-premises licenses*
- *Lack of robust security with on-premises infrastructure*
- *Ineffective management of cost and resources*
- *Upgradation of OS, database, and server versions along with migration*

The Need

The client had implemented Oracle Retail Applications for business activities such as merchandising, planning, stores, and warehouse management. Financial requirements were taken care of by EBS. The solutions were deployed on cloud services such as Oracle Linux, IBM, and AWS cloud.

Retail planning applications were previously deployed on AWS cloud and now, the financial applications had to be moved to AWS.

Aspire's Solution

Our solution helped the client to:

- Deployed Oracle Retail Applications and Oracle E-business Suite on AWS
- Non-Oracle applications were migrated to AWS cloud as well
- Subjected the system to multiple test scenarios including SIT, UAT, and dry-run environments
- Implemented ASM file system on AWS
- Cross migration of nine databases from AIX to LINUX-XTTS
- Lift and shift approach for WINDOWS to LINUX shift

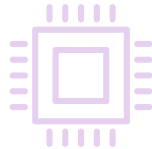




Solution:

- *Migrate operating system and EBS applications to AWS system*
- *Manage the traffic-related spikes*
- *Ensure upgrades in the database, and WebLogic helps maintain requirements for future upgrades*
- *Implement ASM file system, which optimized the storage performance on AWS*

Technology Snapshot



- » Operating system re-platformed from AIX 7.1 to OEL 6.7
- » Web logic upgrade from 10.3.x to 10.3.6
- » Oracle Retail Applications deployed: RMS, ReIM, RPM, RESA, SIM, RIB, RWMS, REIM, Allocation, BI Pub, ORCO, RDE
- » Non-Oracle applications deployed: ALLUCARD, EDI, INTACTIX, and UC4





Results

- Migration to AWS cloud completion within 8 months along with testing on three different testing environments
- Operational costs reduced by 50% with migration
- Optimal cost and resource management with maintenance of scalability as per requirement
- Cloud migration provided 99% uptime with no risk of failure
- Amazon CloudWatch metrics help the client lower infrastructure cost and make trackability easy
- The operating system and EBS application on AWS are running with \$0 up-front cost
- Upgrades ensured that requirements for future upgrades are met
- Simplified management with no additional monitoring tool in the cloud



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