



Financial Transaction Processing For Non-Cloud Customer

HIGHLIGHTS

Use Case: Process and send Periodic Transaction Statements (PDF + Emails)

14X reduction in overall processing time

100K Item processing which normally took close to 12 hours was completed in 50 mins.

70% savings in processing costs

All instances procured from AWS were SPOT instances with heavy discounts

Huge savings in IT overheads

Complete automation of instance provisioning, monitoring and failure handling.

Parallel processing at scale to reduce time

Approx. 250 threads over 20 instances instead of 10 threads in the original infrastructure

CHALLENGE

Customer is the technology provider for a leading asset and portfolio management company. The customer provides the backend transaction processing and customer care for over 60% of the companies in the fund management business.

One of the core activities of the Customer was to process and send (as pdf emails) periodic transaction statements to end users and they had to adhere to a strict time SLA. This meant that their in-house infrastructure and a sizeable portion of their IT workforce were locked for the duration of the processing. Also, with their limited infra, they were not able to reduce the time window beyond a certain point.

SOLUTION

Batchly, the cloud driven enterprise data processing solution, was considered to run this process for one of the key customer accounts. Since the existing infrastructure was in-house, using Batchly required addressing two key areas; migrate the data which resides on an Oracle database and write the "unit of work" code (the business logic to process one record which is a requirement for Batchly).

The customer created an Oracle RDS instance on Amazon and replicated the in-house Oracle DB (created a dump to Amazon RDS and set up a process which syncs additional data that is being generated on a daily basis). Their existing store procedure, which read from the DB and created a signed PDF copy was ported to Batchly container code. Amazon Simple Email Services was integrated to send the PDFs generated to the respective end users.

With these addressed, Customer ran a workload on Batchly to process 100K records in approximately 50 minutes; 14 times faster than the 12 hours they used to take earlier. The processing itself saved over 70% costs compared to on-demand cloud costs because of Batchly's intelligent use of SPOT instances.

Batchly completely automated the activities around instance provisioning, monitoring and failure handling. This resulted in huge savings with respect to IT overheads apart from the direct savings on cost & time.

ABOUT
BATCHLY

Batchly is an enterprise data processing solution; abstracts cloud complexity, uses existing code and runs the processing job in AWS at user defined cost and time.

www.batchly.net

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