

A yellow icon consisting of two interlocking loops, resembling a stylized infinity symbol or a continuous path.

nubiral

ORACLE®



What we do?



DevOps



Cloud



Big Data



IIoT



Presentation

Claro Video (business unit of AMCO), had a backend Oracle for your CRM system.

Due to the nature of our client's product, there is a need to generate replicas of the Oracle database to each of the DCs where service is given, due to the increase in demand nowadays they have a limitation in the number of replicas that they can use (30) for which it is necessary to migrate the Oracle version and implement new functionalities on the platform.

"We found in AWS an excellent solution for the migration of our solution to a hybrid cloud environment, increasing the response times to our customers and lowering costs"



Problem statement

Our client have a big infrastructure cloud around different AZ that consume this Oracle services, with lacks in R/W, all global services has affected response time. Our client had a problem of bottleneck with lack in Read/Writes because your Oracle installation is not scalable, is small and is not distributed.

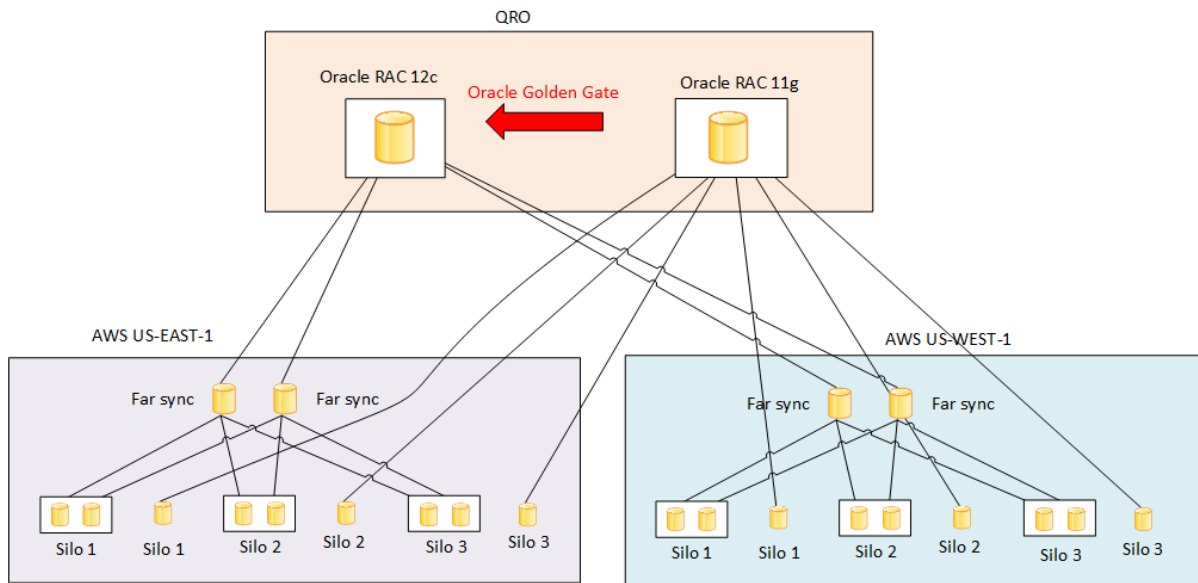


Our Solution

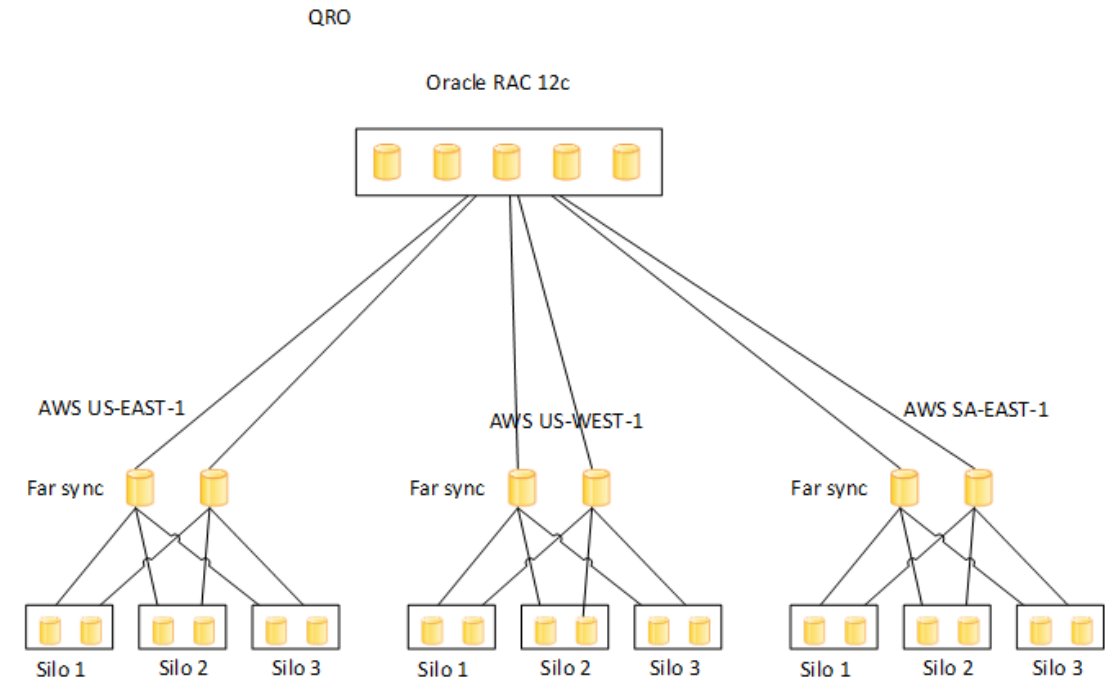
Nubiral proposed a distributed architecture of Oracle Backend, using a hybrid solution between Triara Datacenter and AWS using an installation of Oracle Rac version 12 in the DC of the Client (Triara), on which Golden Gate will be configured to maintain data synchronism. Taking advantage of new Oracle 12 features, Oracle FarSync is used as a border in each of the AWS DCs, where 120 physical copies of the database are kept.



Proposed architecture



Definitive Architecture





Project Details

- Problem: Bottleneck in Read/Write actions
- People: 2 Database Administrator SR and 1 AWS Architect.
- Planning time: 5 days
- Execution time: 14 days
- Results: As an improvement of the current platform, for this implementation we configured RMAN with backups to S3, in this way it is possible to use the same "virtual drive" throughout the entire infrastructure, with which the process of generating new replicas does not stress the existing infrastructure. The information life cycle is used in S3, managing different types of storage according to the date of backup from standard to glacier, which significantly reduces costs. The RMAN configuration uses an RDS instance for the database catalog, which simplifies the administration of the service and gives visibility to all the equipment on the platform.



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