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# What we do?



DevOps



Cloud



Big Data



IIoT



## Presentation

Claro Música (business unit of Global Hitss), request installation of an Oracle solution with high availability to be implemented in AWS.



## Our Solution

The proposal consists in installation of DataGuard solution with observer to perform the automatic switchover in case of failure of the main DB without loss of service.



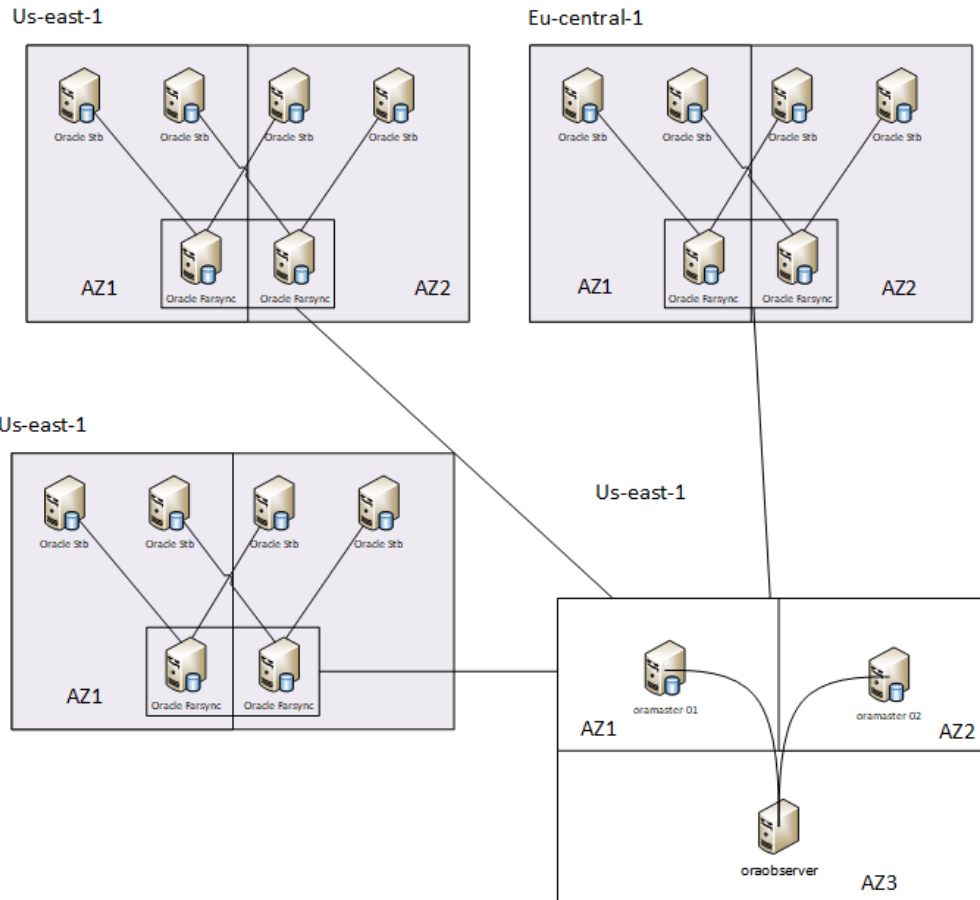
## Task revealed

An installation of Oracle version 12 was performed in the DC of Virginia, on which the observer was configured to monitor the main role of the writing database, each component is in a different availability zone.

Taking advantage of the new features of the Oracle version, Oracle FarSync is used as a border in each of the AWS DCs, which reduces traffic between the main site and the remote sites.



## Solution Architecture





## Project Details

- Requirement: Bottleneck in Read/Write actions
- People: 1 Database Administrator SR and 1 AWS Architect.
- Planning time: 5 days
- Execution time: 10 days
- Results: The client's requirement was successfully implemented, 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 lifecycle 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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