

Case Study: ORACLE DATA GUARD

About the Company

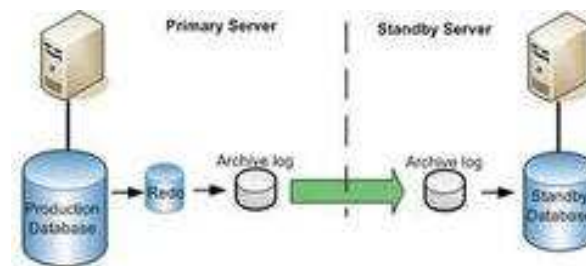
The MTN Group is a multinational telecommunications group, operating in 21 countries in Africa and the Middle East. As at the end of December 2006, MTN recorded more than 40 million subscribers across its operations. The MTN Group operates in Botswana, Cameroon, Côte d'Ivoire, Nigeria, Republic of Congo (Congo-Brazzaville), Rwanda, South Africa, Swaziland, Uganda, Zambia, Iran, Afghanistan, Benin, Cyprus, Ghana, Guinea Bissau, Guinea Republic, Liberia, Sudan, Syria and Yemen.

Business Challenges

A company designing its business continuity strategy must create a business continuity plan(BCP) that can effectively deal with challenges. One of the critical requirements of the BCP is that it must protect data loss as well as keep a threshold limit on the performance degradation. As the company had the OLTP as well as the reporting databases the same, performance degradation was visible as the number of application users had rose in an exponential rate for reporting purposes.

Nihilent's Role

Nihilent proposed an approach that would ensure minimal data loss and better performance by creating a standby database that would act as a DR site as well as the reporting database. Nihilent implemented logical standby database from a newly created physical standby database that would be a replica of the primary database. The logical database was later used for reporting purposes with additional indexes and newly created materialized views for better query performance. AWR reports were run to check the most intensive sql queries and tuned those respective queries by adding indexes or creating materialized views.



Business Benefits Delivered

- Disaster recovery and high availability.
- Efficient utilization of system resources.
- Flexibility in data protection to balance availability against performance requirements.
- Automatic gap detection and resolution.
- Centralized and simple management.