



## XCarrier Big Data Infrastructure



**XCarrier's database infrastructure is designed to meet its customers' highest performance requirements. By this, Carrier Call means capturing, storing and processing data streams that are worthy of the name "big data".**

Classic database systems cannot process huge amounts of data like Voice CDR or similar data in a reasonable amount of time. XCarrier relies on intense parallel processing through multiple processors and servers for these big data volumes. The following challenges are being met in this respect:

- Processing of a very large number of data records
- Processing of many columns/tables within one data record
- Fast import of large volumes of data
- Instant retrieval of imported data (real-time processing)
- Short system response times (latency and processing time) even for complex queries
- Ability to process many simultaneous queries (concurrent queries)
- Analysis of different types of information (numbers, texts, images, etc.)



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## Oracle Dataguard

The infrastructure is based on Data Guard HA technology from Oracle.