Oracle Maximum Availability Architecture (MAA) helps MiBanco Peru to run their core banking system.

Coming from IBM-based Oracle Real Application Clusters (RAC), Oracle RAC on ExaCC now ensures the availability and scalability for day-to-day operations with Oracle Active Data Guard acting as the analytics backbone as well as the disaster failover solution.
MiBanco Implementation

**Production site**

- **Load PROD**
  - 120 OCPUs
  - 1536 GB Memory
  - 28 TB of disk
  - 115 TB Backup

- **Databases PROD**
  - 56 OCPUs
  - 1440 GB Memory
  - 76.8 TB Flash Storage
  - 85.5 TB para Datos

**DR site**

- **Databases DEV/TEST/CONT**
  - 22 OCPUs (up to 92)
  - 1440 GB Memory
  - 76.8 TB Flash Storage
  - 85.5 TB for Data

- **Load DEV/TEST/CONT**
  - 160 OCPUs
  - 2048 GB Memory
  - 28 TB of disk
  - 115 TB Backups

**Active Data Guard**

- **Infrastructure as a Service OCC**
- **Platform as a Service 1/4 ExaCC**
- **Platform as a Service 1/4 ExaCC**
- **Infrastructure as a Service OCC**
MiBanco Implementation Details

Features used to improve current platform

- Smart Scan to reduce IO Bandwidth on BATCH processing
  - AUTO DOP to enable Smart Scan/In-Memory on both VMs
- In-Memory on main tables used for Analytics
- PDB (default in cloud environments) for isolation
- Exadata Flash Cache / Exadata In-Memory in CELLs
- Service-oriented Parallel Execution (PX)
- Active Data Guard (max. perf.) for reporting on DR site