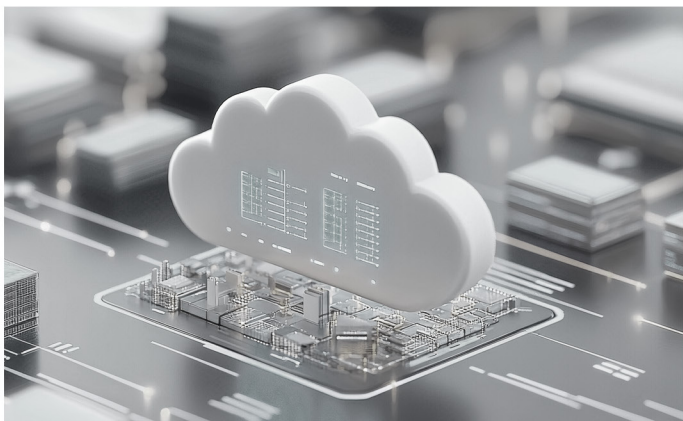




Resilient Operations for Healthcare Industry

Business Overview

Mission-critical Oracle estates sit at the heart of large enterprises, and moving them to the cloud is as much a risk-management exercise as a technology one. The volumes are enormous, applications depend on the database layer in subtle ways, and the business has little tolerance for downtime. This is the scenario for a large, US-native healthcare and pharmaceutical leader. We have stepped in to close the gap through a phased migration approach that redefined their ecosystem efficient and agile.



Before We Stepped In...

Customer was operating on Oracle databases on Exadata Cloud@Customer supporting business-critical applications and transactional workloads along with extensive cross-database dependencies and distributed data access.

- Healthcare pioneer approached digi edZe to migrate their mission-critical workloads to Oracle Exadata @GCP.
- Realizing its potential and proven track of innovative approaches, the collaboration continued for gaining business value.

Through interruptions, the healthcare leader encountered ups and downs in handling mission-critical databases. Our expertise helped them to navigate through the challenges seamlessly.

“Rough Patches” of Enterprise Growth

The core challenge was moving a very large, deeply interconnected Oracle estate without disrupting the business. Every database depended on several others and on critical applications, so migration, upgrade and cutover all had to be planned as one coordinated programme.

- 1 Moving mission-critical databases above 100 TB within strict, controlled cutover downtime windows.
- 2 Mapping and validating DB links, remote connectivity and materialized view refresh dependencies.
- 3 Upgrading selected Oracle 12c databases to 19c while keeping both versions interoperable.
- 4 Assuring data consistency and application integration across both source and target environments.

Architecting the Database Modernization

We used an Oracle Data Guard migration strategy built on physical standby databases, redo transport and managed redo apply, so the target database stayed in sync with live production. A controlled, final switchover then kept cutover downtime to a minimum. In parallel, we assessed all dependencies and tested integrations across DB links, materialized views, remote connectivity, application interfaces and overall network readiness before go-live.

Impact Created

Cutover downtime and migration risk were minimized through Data Guard synchronization. Exadata's intelligent offloading and fast processing enhance performance for demanding enterprise workloads, while simpler provisioning, patching and capacity management and flexible scaling support future workload growth and business agility.

Selected Oracle 12c databases were upgraded to 19c, then fully validated for integrity, synchronization, connectivity and application behaviour before taking any live production traffic.



*Leveraged Exadata's complete capabilities
and full potential of Google Cloud, powered
by digi edZe's expertise*

- **10X Improvement in Performance**
Leveraged the complete Exadata potential for mission-critical workloads
- **Scalability and High Availability**
Flexible scaling to meet evolving demands and future workloads growth