Portable Data Guard
by aramco SAIL

Production

DB

Continuously Replicating Data

Isolated Environment

Copy of DB

Smart Network Storage

Hourly Copy Incremental Changes

04:00 Δ
03:00 Δ
02:00 Δ

Encryption

01:00 Δ

Encrypted, One-way Transfer

Restored Copy

DB

Restore DB on 30/07/2025 at 16.00

PDG Unit

DB System:
02:00 Δ
01:00 Δ

Smart Network Storage

00:00 Δ

Store as **Read Only**

Verification & **Encryption**

Keys

Org Key Store

Physical Keys