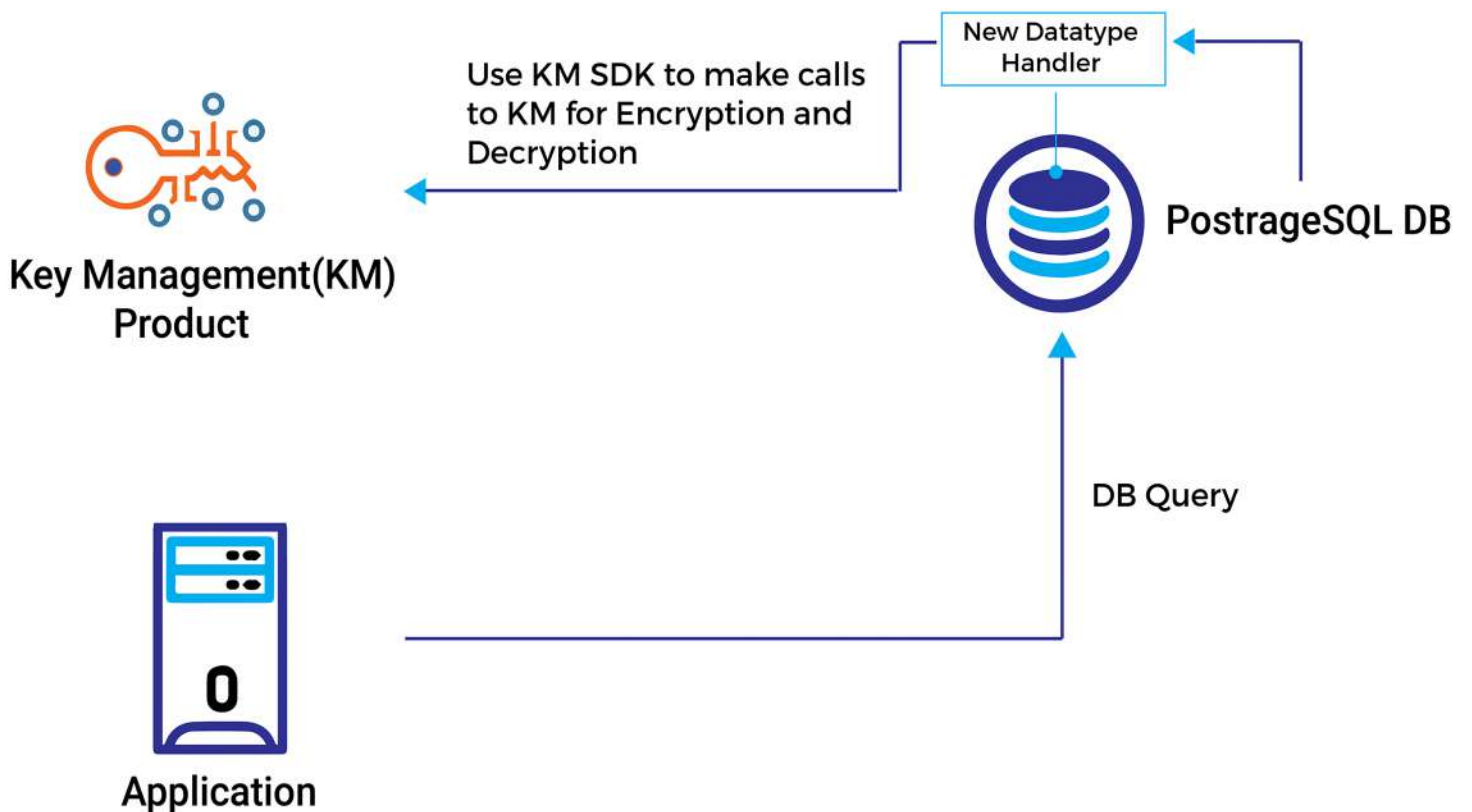




# PostgreSQL Column Encryption solution with a leading Key Management solution





Customer is a leading Encryption solution provider. They provide solutions for encryption, authentication and are world leading SIM cards manufacturer

## Customer



Customer requested for the integration of their key management solution with PostgreSQL to implement Column encryption in PostgreSQL DB.

## Requirement



## Technology Solution

- Developed the PostgreSQL Transparent data encryption (TDE) solution to perform Column encryption
- This solution involved development of Extension handler code that gets called when the DDL ( Alter Table) or DML ( Insert, Update, Select, Delete) queries are fired performing the column data encryption and decryption using the Table key encrypted by the Key management Master key.
- Scenarios such as key rotation, data archival were implemented as well.

