

RookDB Project

Storage Manager for Database Management Systems

1 Introduction to RookDB

RookDB is a disk-oriented database management system (DBMS) aimed at exploring the internal architecture of modern database engines, with a particular focus on the design and implementation of the **Storage Manager** of DBMS. The system follows a **Relational Database model**, similar to widely used relational DBMS such as PostgreSQL and MySQL.

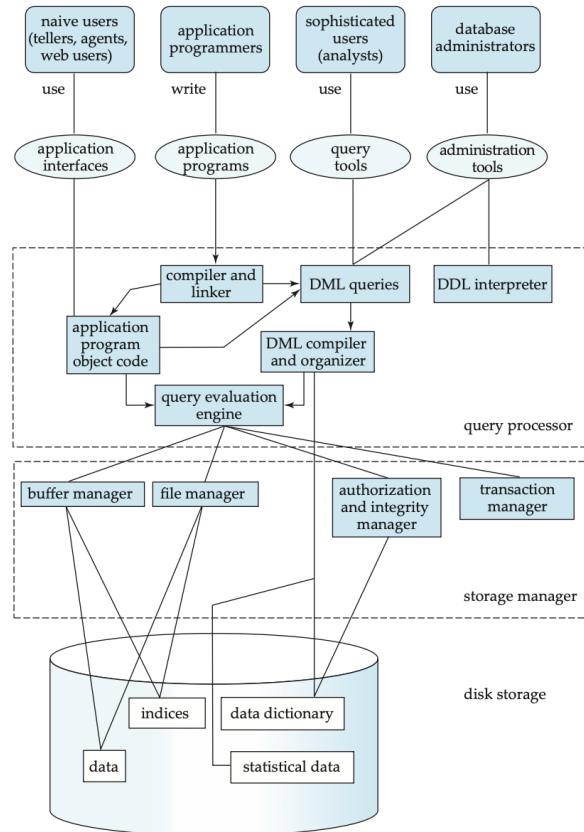


Figure 1: Relation Model DBMS Architecture

Based on the relational database architecture shown in the above figure, the primary objective of RookDB is to implement the key components of the storage manager that operate between the query processor and the underlying disk storage.