

Unified SQL Interface

Workload Manager

Workload Modeling

Workload Scheduling

Workload Predicting

SQL Optimization

SQL Rewriter

Index Advisor

View Advisor

Query Optimizer

Cardinality Estimation

Plan Selection

Distributed Coordination

Plan Executor

Data Storage

Storage Model

Data Partition

Automatic DB Kernel

Self Optimizing/Configuring

Database Security

Intelligent Masking

Intelligent Auditing

Intelligent Detecting

Self Inspecting

Database Manager

Performance Monitoring

Configuration Optimization

Data Migration

Fault Tolerance

Self Healing/Protecting

AI Framework

AI Algorithm

AI Model

AI Process

AI Automation

AI Discovery

Heterogeneous Computing Framework

Relational Model

Graph Model

Time Series Model

Tensor Model

X86

ARM

GPU

NPU

FPGA

AI-Native Database

Self Assembling

- Level 1
- Level 3 (AI4DB)
- Level 3 (DB4AI)
- Level 4