RESOURCE: Three Layer Design Diagram Version A
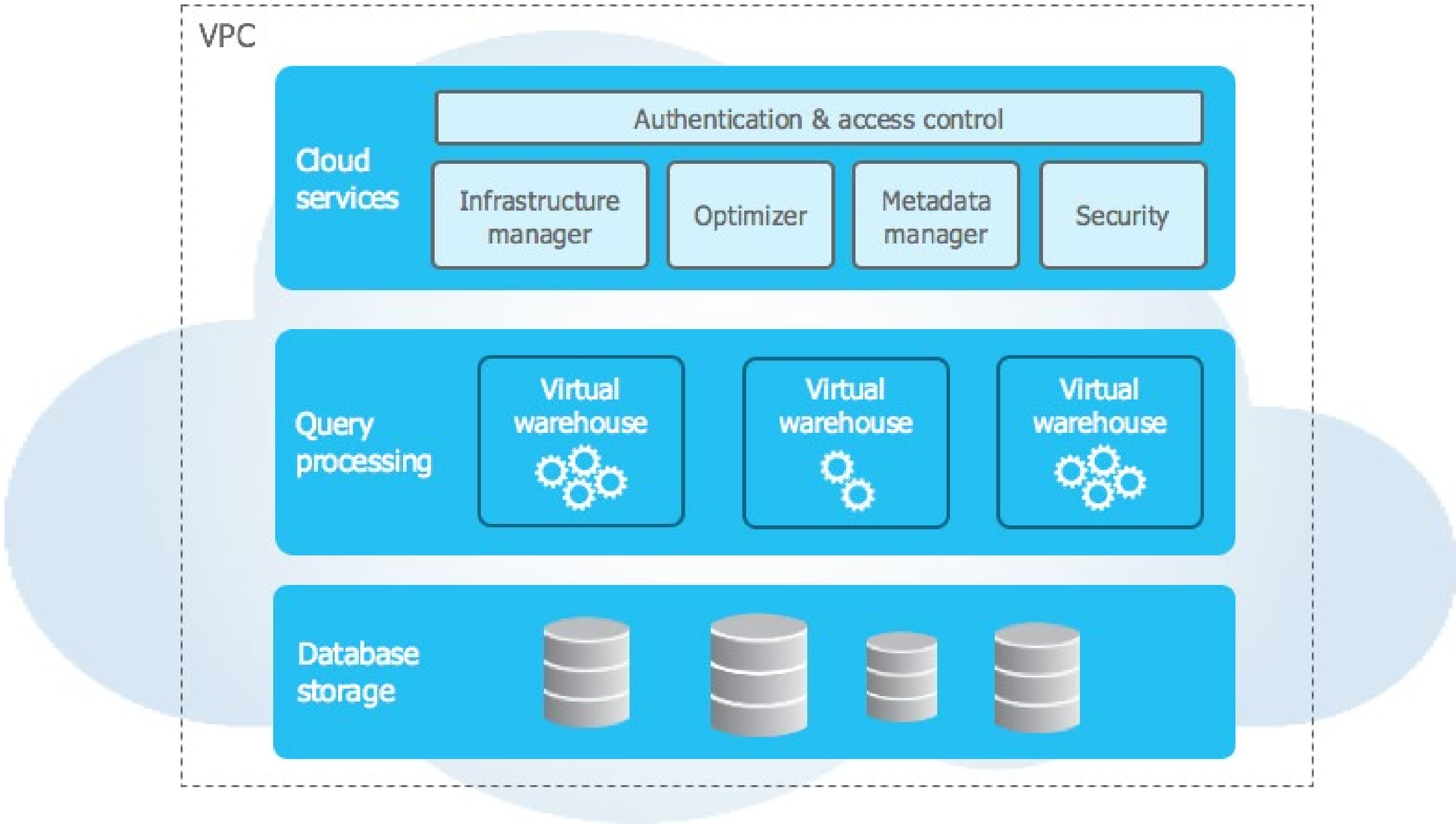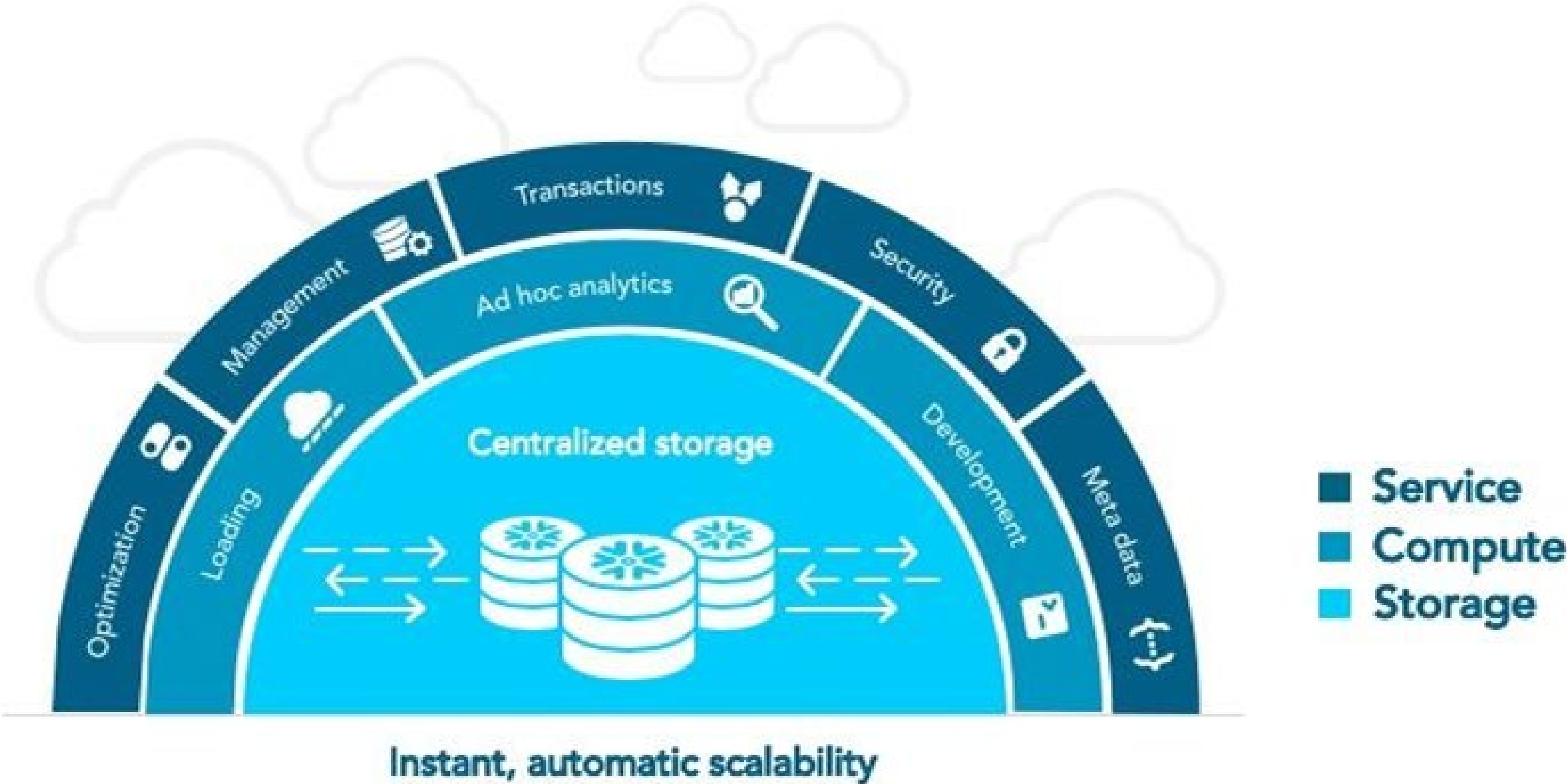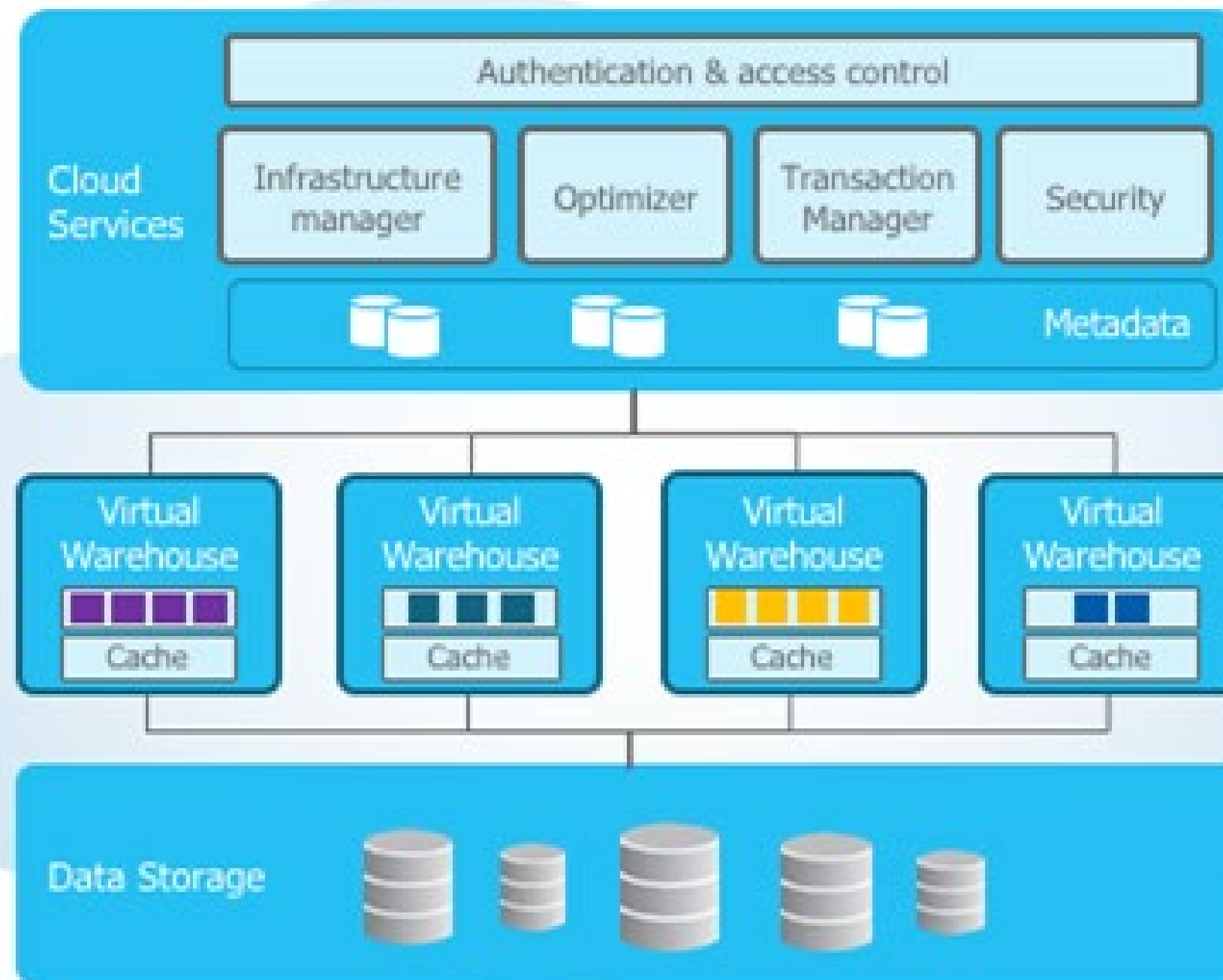
RESOURCE: Three Layer Design Diagram Version B

Snowflake's multi-cluster, shared data architecture

Instant, automatic scalability

SNOWFLAKE MULTI-CLUSTER, SHARED-DATA ARCHITECTURE

Dynamically Combines Three Principal Architectural Layers

- Collection of Independent, Scalable Services
  - "Brain" of the System
  - Handles Crucial Data Management Functionalities

- Elastic Virtual Warehouse
  - "Muscle" of the system
  - Handles Parallel Query Processing

- Storage Layer
  - Hybrid Columnar