Metadata Tools Overview

If you're specifically interested in **database-oriented metadata tools**, here are both **open-source** and **commercial** solutions that focus on **metadata management, cataloging, lineage, and governance** for relational and NoSQL databases.

Open-Source Database-Oriented Metadata Tools

1. **Apache Atlas**
   - Designed for big data environments but also supports relational databases.

   - Provides metadata management, data lineage, and governance.

   - Works well with **Hive, HBase, and relational databases**.
2. **Amundsen**
   - Developed by Lyft, it focuses on **metadata discovery** and **search**.

   - Supports databases such as **PostgreSQL, MySQL, Redshift, and BigQuery**.

   - Uses **Elasticsearch and Neo4j** for metadata storage.
3. **DataHub**
   - Originally developed by LinkedIn, it supports **real-time metadata management**.

   - Works with **PostgreSQL, MySQL, Snowflake, Redshift, BigQuery, and MongoDB**.

   - Strong support for database lineage and governance.
4. **Egeria**
   - Open-source metadata and governance platform.

   - Supports relational databases like **PostgreSQL, Oracle, MySQL, and SQL Server**.

   - Provides **metadata APIs and connectors**.
5. **OpenMetadata**
   - Specifically designed for **metadata management in databases**.

   - Supports **MySQL, PostgreSQL, Snowflake, Redshift, and Databricks**.

- Provides database schema discovery, profiling, and lineage tracking.

6. **Metacat (Netflix)**
   - Metadata management for **Hive, RDS, Redshift, and MySQL**.

   - Helps unify metadata across different storage and database systems.

   - Designed for large-scale data environments.

7. **dcat (Data Catalog Tool)**
   - Lightweight metadata catalog for relational databases.

   - Works with **PostgreSQL, MySQL, and SQLite**.

   - Simple and minimalistic compared to enterprise-grade solutions.

Commercial Database-Oriented Metadata Tools

1. **Alation**
   - One of the most widely used metadata management tools for relational databases.

   - Supports **Oracle, SQL Server, MySQL, PostgreSQL, Snowflake, and Redshift**.

   - AI-powered search and collaboration.

2. **Collibra Data Catalog**
   - Enterprise-level metadata governance solution.

   - Supports **SQL Server, Oracle, PostgreSQL, MySQL, Teradata, and Snowflake**.

   - Provides **data lineage, access control, and policy management**.

3. **Informatica Enterprise Data Catalog**
   - Metadata management with **AI-powered discovery**.

   - Supports **relational databases, NoSQL, and cloud data warehouses**.

   - Deep metadata scanning for **Oracle, SQL Server, MySQL, and PostgreSQL**.

4. **Talend Data Catalog**
   - Automates metadata harvesting and lineage tracking.

   - Works with **Snowflake, SQL Server, MySQL, PostgreSQL, and Redshift**.

- Focuses on **metadata compliance and governance**.

5. **IBM Watson Knowledge Catalog**
   - AI-powered metadata catalog for database governance.

   - Supports **IBM Db2, SQL Server, Oracle, and PostgreSQL**.

   - Provides **lineage tracking and security compliance**.

6. **AWS Glue Data Catalog**
   - Native AWS metadata management for databases.

   - Works with **Amazon RDS, Aurora, Redshift, and DynamoDB**.

   - Supports **schema evolution and data discovery**.

7. **Google Data Catalog (Dataplex)**
   - Designed for **Google Cloud SQL, BigQuery, and other databases**.

   - Provides **automatic metadata discovery and search**.

   - Integrates with Google Cloud services.

8. **Microsoft Purview**
   - Azure's metadata and data governance tool.

   - Works with **SQL Server, Azure Synapse, MySQL, PostgreSQL, and Oracle**.

   - Provides **end-to-end lineage tracking**.

9. **Atlan**
   - A modern data workspace that integrates with **PostgreSQL, MySQL, Snowflake, and Redshift**.

   - Provides **metadata enrichment and governance features**.

   - Focuses on **collaboration for database metadata**.

Choosing the Right Metadata Tool for Databases

- **For Open-Source & Scalability** → *Apache Atlas, DataHub, OpenMetadata, Amundsen*

- **For Relational Databases** → *Alation, Collibra, Informatica, AWS Glue, Microsoft Purview*

- **For Cloud Databases** → *AWS Glue, Google Data Catalog, Microsoft Purview, Atlan*

- **For NoSQL & Hybrid Use Cases** → *Metacat, OpenMetadata, Talend Data Catalog*