Types of Data:

Database Security.

Datasource Types:
- Distributed Databases
- Data Warehases
- Big Data
- File Shares.

Applications • Databases • Data Vault

Big Data Environments • Cloud Environment

• Database Tools • Enterprise Content Managers.

Files.

Distributed database examples. Structured.
   Oracle, DB2, Microsoft SQL, MySQL.

Big Data Database examples Semi-struct.
   Hadoop, MongoDB, BgTable.

Data Warehouse Examples: Structured
   Apache Hive, Amazon Redshift.

File share examples: Unstructured.

   "NAS".

Structured Data:
   Flat File Databases
     ↳ one table.
   Relational Databases.

↳ numerous Tables.

Securing Databases.

Securing your "Crown Jewel"

Discover → Harden → Monitor & → Report
                        Protect

I. Identification &
   Baseline -

- Discover & Classification
↳ Entitlements Reporting.
→ Vulnerability Assessment.

Raise Bar

Reconfigure
   Mask & Encrypt

Real-Time Monitoring
Activity Monitor.
Blocking Quarantine,
Dynamic Data
         Masking

Ask Q's like

1.) Where is sensitive data.

2.) Who can access?

3.) How to secure the repo

4.) How to protect sensitive data.`

5.) What is Actually Happening.

6.) How to Prevent unauthorized activities.

7.) How to protect sensitive data to reduce risk.?

Securing Data sources By Type.

On premises
Infrastructure as Service
    Platform   as   Service
Software   as   a   service.

Data Monitoring.

IBM Guardium
↳ one-stop-shop

Data Monitoring.

Data Alerts.

Attributes to Include
in Logging.

Failed Access Monitoring.

Suspicious Access Events