

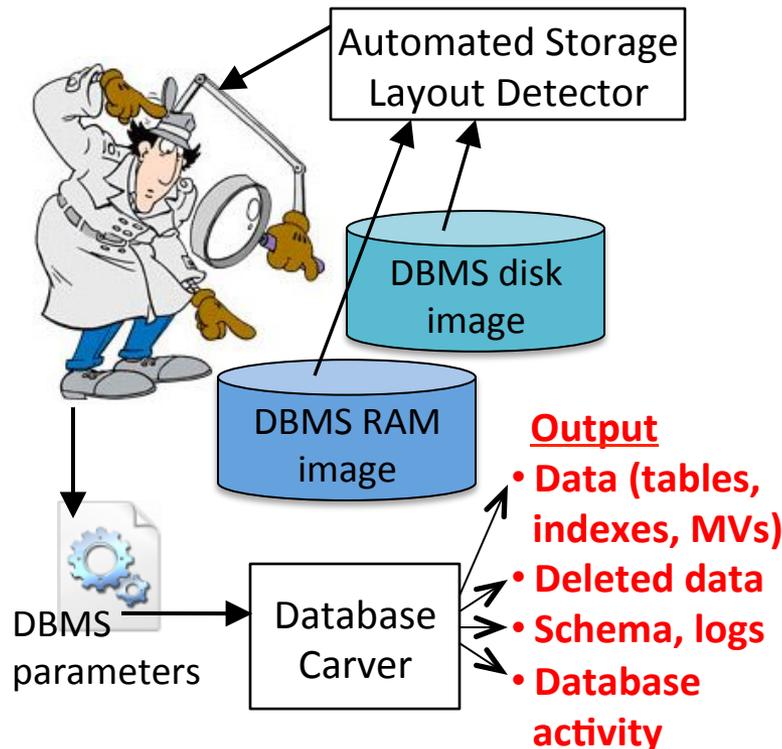
## Database Reconstruction Kit: How to Capture all DBMS Data and Activity from any Disk or RAM Fragment

### Challenge:

- Given an **incomplete** or **corrupt** storage with **unknown** database(s)
  - Reconstruct **all data**
  - Determine **database activity**

### Solution:

- Universal**, parametric model of byte-level DBMS storage
- Automate learning new DBMS parameters
- Reconstruct any storage fragment (disk or RAM)



### Scientific Impact:

- A **unified** database storage model
- Automating** reverse-engineering of DBs
- Generalized** approach to database forensics

### Broader Impact:

- Reconstruct database from **partial** or **corrupt** disk fragments or RAM
- Determine if an attacker stole or tampered with data**

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