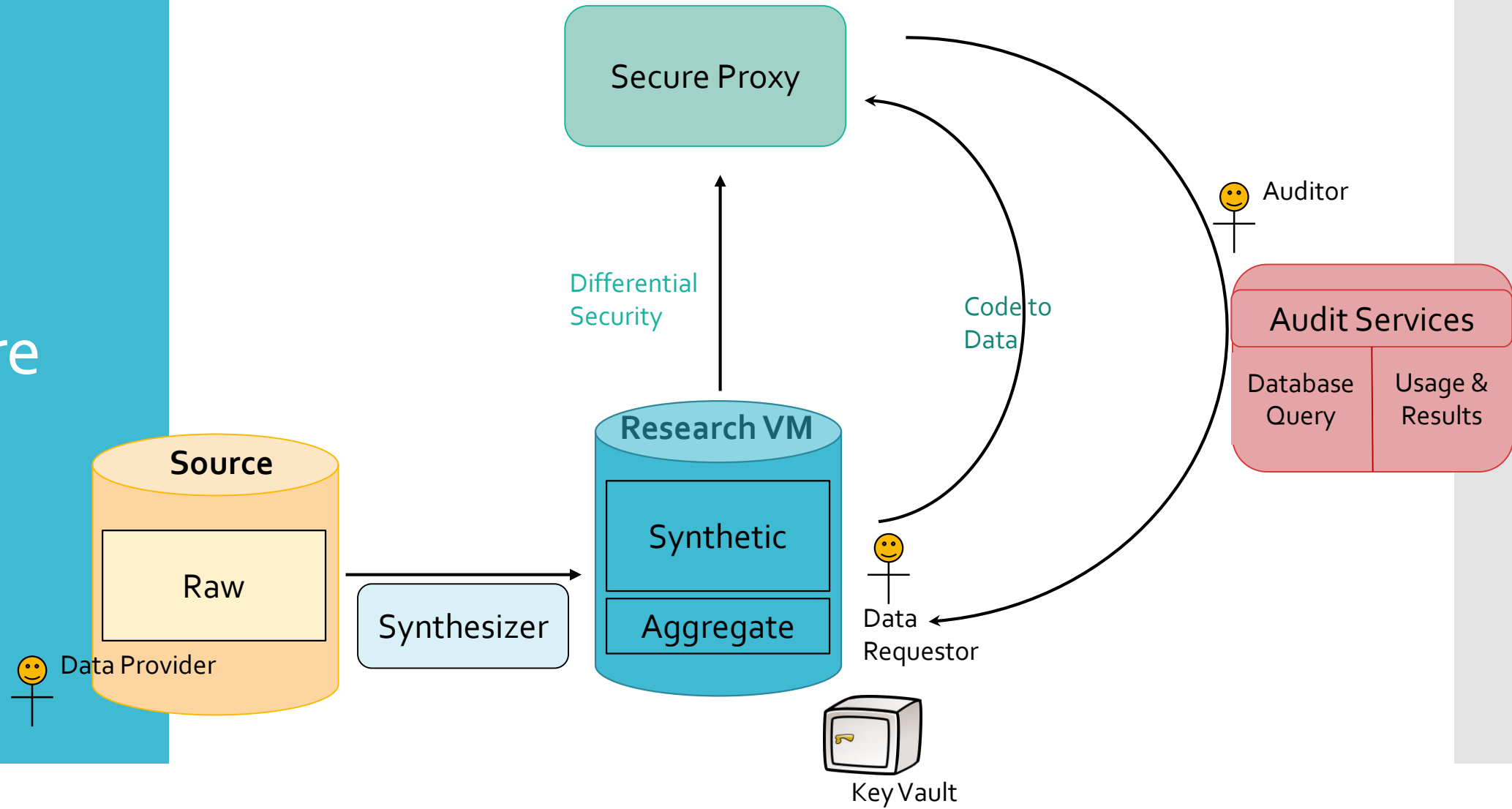


Data Innovation Overview

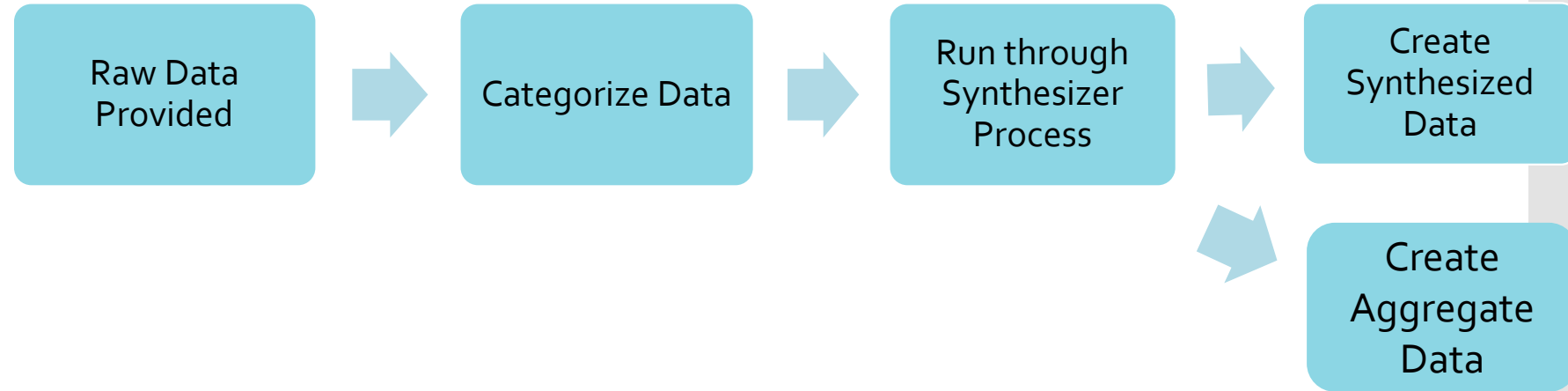
Data Innovation Team

Architecture



Work Flow

Ingestion Workflow



Consumption Workflow



Service Descriptions

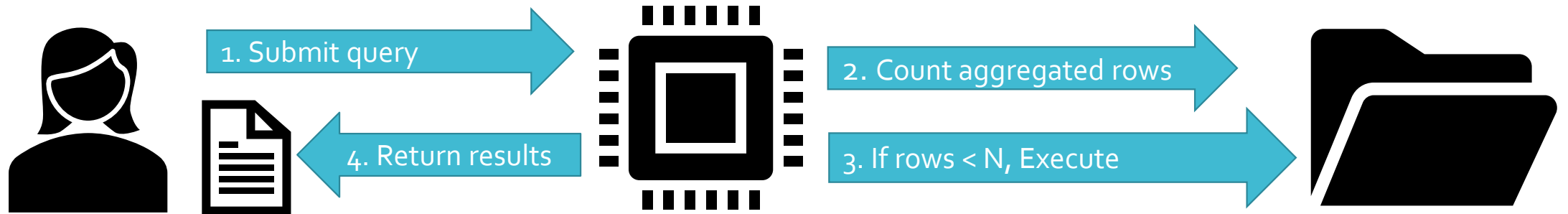
- Synthesizer
 - a custom package built with the ability to accept the categories and also to run some commonly available static data anonymization, such as the Dynatrace Anonymization API.
- Secure Proxy for Differential & Privacy and Code to Data Security
 - designed to provide user access to a raw (unmasked, but anonymized) dataset in a controlled manner, by providing two mechanisms for querying the dataset which will restrict egress of PII data, described below
- Auditor
 - Database Query Auditor
 - Query monitor: Logs queries to the real database
 - Call stack authenticator: Reviews queries to sensitive information
 - Usage and Results Auditor
 - Automated tools: Detect schemes to leak sensitive information in results
 - Human auditor: Final review, paying extra attention to flagged items

Differential Privacy

Researcher

Secure Proxy

Raw Data (Likely in an RDBMS)



Code to Data Security

