

Data Retention / Disposal



## Data Discoverability / Metadata Management

- Visibility of the data available for use
- Technical metadata
  - Column names
  - Field types
  - Record count
  - Last refreshed time
- Business metadata
  - Data domain
  - Data classification based on sensitivity
  - PII or Non-PII
- Data Lineage
  - Source of data
  - What transformation applied











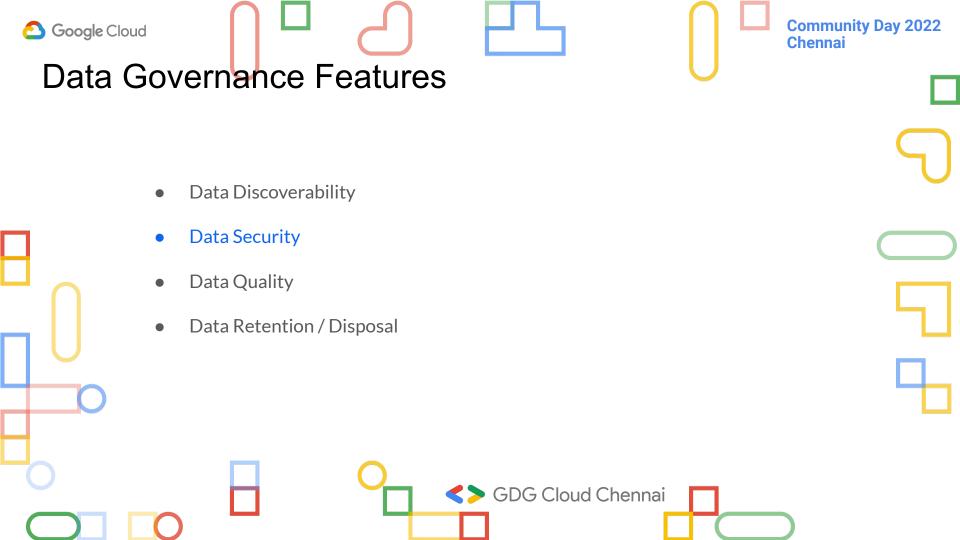


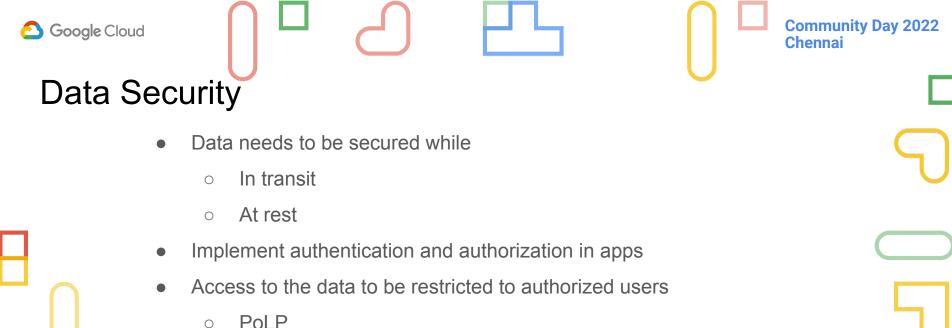
## Data Discoverability - GCP



- Metadata as a service
- Central Catalog
- Search and Discovery
- Fully Managed, Serverless, Highly Scalable
- Cloud IAM integration
- Cloud DLP integration
- On-prem connectors









Personally identifiable data should be protected and kept hidden





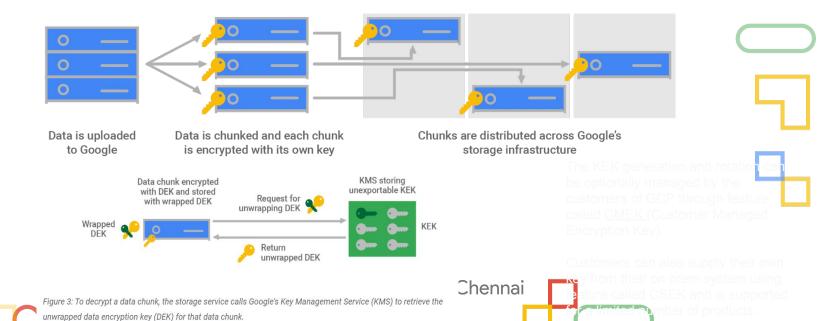


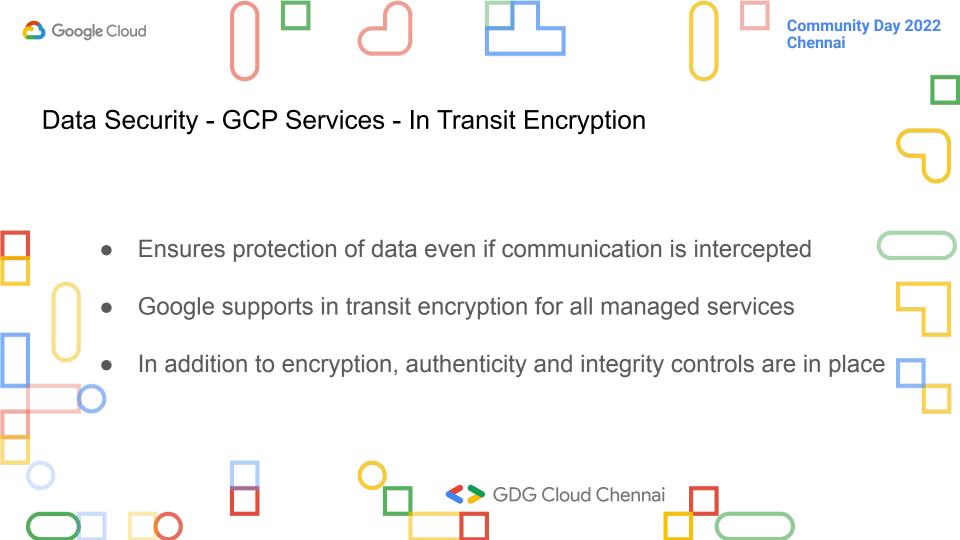


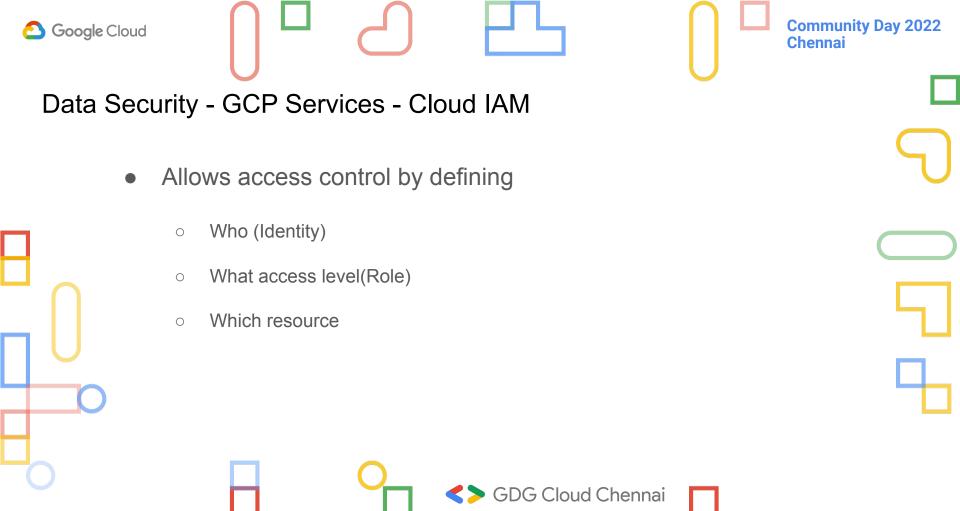


## Data Security - GCP Services - At Rest Encryption

- GCP, by default, encrypts data at rest using AES256
- Malicious access to disk does not result in access to data
- Google encrypts data prior to being written

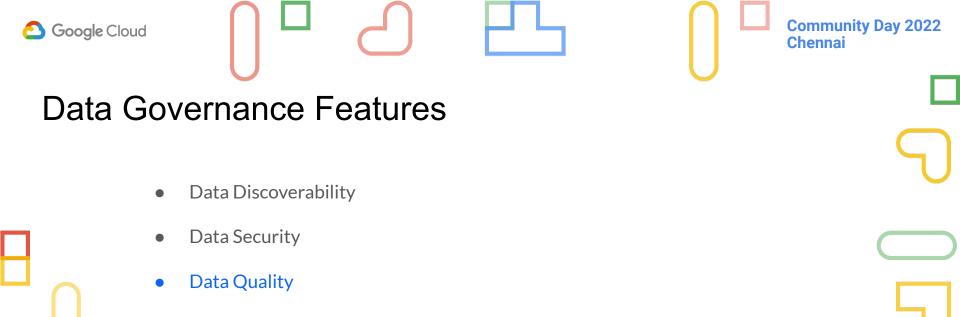


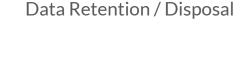


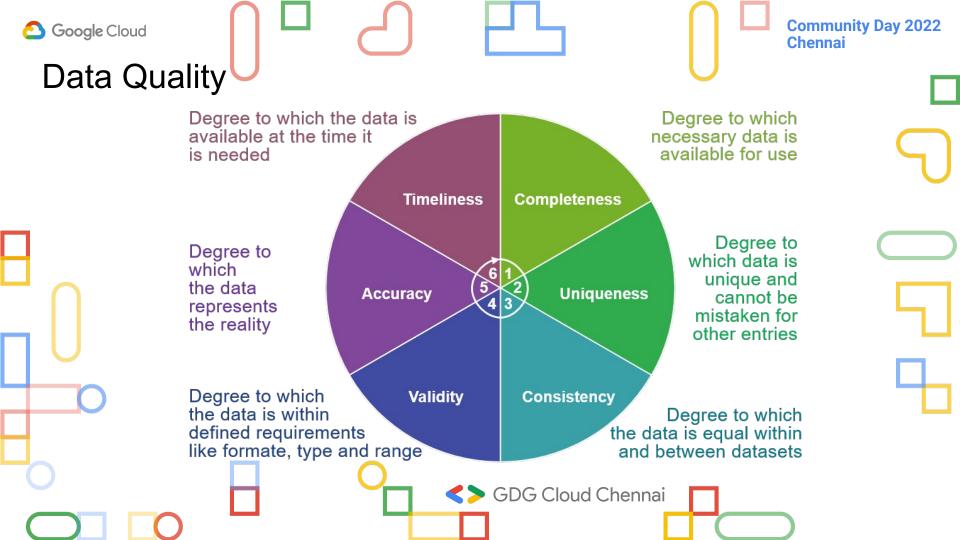






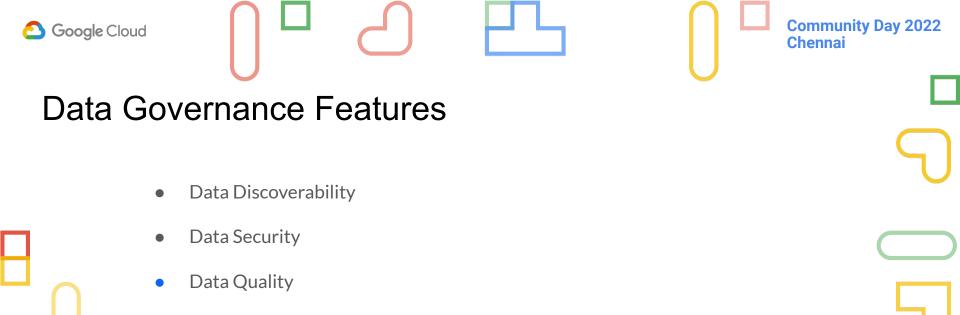




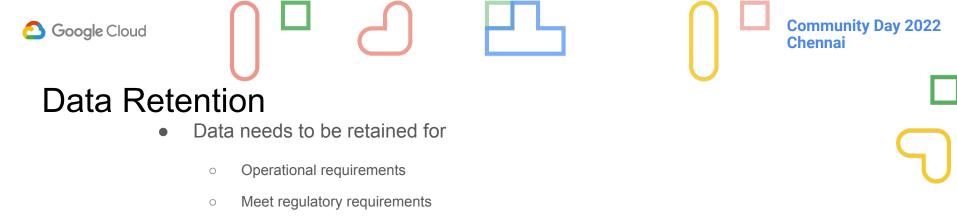




- With evolving set of rules
- GCP Cloud Dataprep

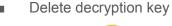


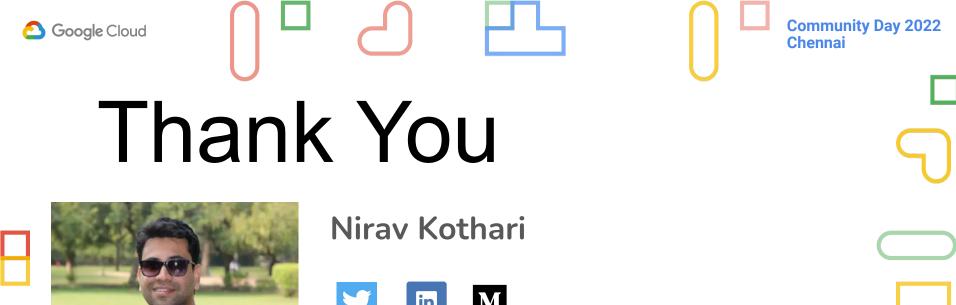
Data Retention / Disposal





- Regulatory requirements
- Approaches for disposing data
  - o Physically remove data
  - Make data inaccessible
    - Anonymisation
    - D 1 ( )







Google Cloud









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