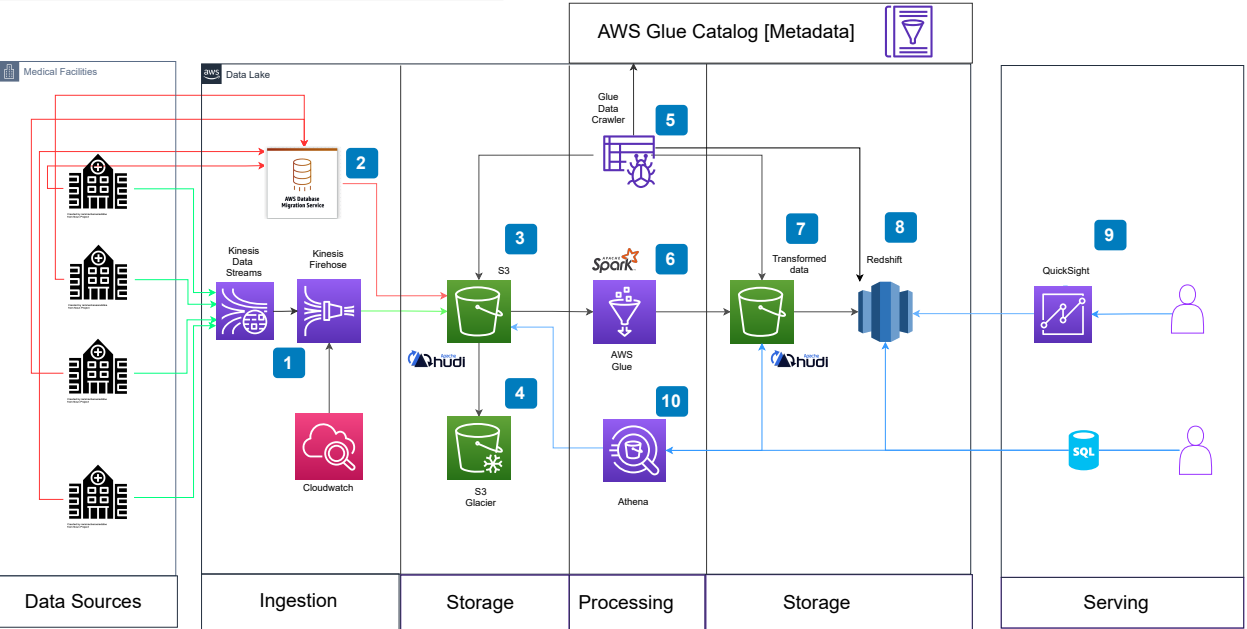


Data Platform Architecture

Medical Processing Company



- 1 Amazon Kinesis Firehose can be used to ingest Medical Facilities Data in real-time
- 2 On-premises data warehouses and OLTP data can be migrated using AWS Database Migration Services (DMS)
- 3 S3 can be used to store data with infinite scalability using Apache Hudi
- 4 S3 glacier can be used to backup the data with infinite scalability
- 5 AWS Glue Data Crawler uses crawlers to discover the schema of the data stored in S3/Redshift and catalog it with rich metadata
- 6 AWS Glue can be used to perform data processing jobs at scale periodically using the open-source Apache Spark framework
- 7 The transformed data using Glue is stored in specific S3 buckets using the Apache Hudi format.
- 8 The processed data can be stored in AWS Redshift (Data Warehouse) for efficient data queries at scale
- 9 Using Quicksight data from Redshift (or with Athena) can be visualized efficiently
- 10 AWS Athena can be used to query the raw or transformed data in the lake