

**S3 (Simple Storage Service):** S3 is a storage service that lets you store and retrieve data from anywhere on the web. It's like a large virtual storage space where you can keep your files, documents, images, and other data.

**RDS (Amazon Relational Database Service):** RDS is a managed database service that makes it easier to set up, operate, and scale a relational database in the cloud. It takes care of the technical aspects of managing a database, so you can focus on using and storing your data.

**Glue (AWS Glue):** Glue is an ETL (Extract, Transform, Load) service that helps you prepare and transform data for analytics and processing. It automates the process of discovering the structure of your data and makes it easier to organize and analyze large sets of information.

**Redshift (Amazon Redshift):** Redshift is a fast data warehousing service that allows you to analyze large amounts of data using SQL queries. It's designed for running complex analytics on big datasets, making it useful for business intelligence and data analysis purposes.

**IAM role (Identity and Access Management role):** IAM roles are a way to securely manage permissions for accessing and managing AWS resources. They allow you to grant specific permissions to different entities within your AWS account, such as users or services, so they can perform authorized actions.

**Crawler (AWS Glue Crawler):** A crawler is an automated tool provided by AWS Glue that scans and discovers the structure (schema) of your data sources. It helps in building and maintaining a catalog of your data, making it easier to understand and work with different datasets.

**Athena (Amazon Athena):** Athena is an interactive query service that lets you analyze data directly from Amazon S3 using standard SQL queries. It enables you to explore and gain insights from your data stored in S3 without the need for setting up and managing a separate database.

**Quicksight (Amazon QuickSight):** Quicksight is a cloud-based business intelligence service that makes it easy to visualize and analyze data. It provides tools for creating interactive dashboards, reports, and visualizations, allowing you to explore and present your data in a meaningful way.

**Lambda (AWS Lambda):** Lambda is a serverless computing service that allows you to run your code without worrying about server management. It automatically scales and provisions the necessary

computing resources based on demand, making it ideal for building scalable and event-driven applications.

EC2 (Amazon Elastic Compute Cloud): EC2 is a web service that provides resizable and secure computing capacity in the cloud. It allows you to quickly deploy and scale applications by providing virtual servers (instances) on which you can run your software and perform various computing tasks.