

My usecases:-

1) Apple Music Stores and process it's data using Azure cloud services.

1) Data Ingestion and Storage:- Azure Blob Storage
Apple music receives a massive amount of audio data from various music uploads, streaming and user-generated account. This data is stored in Blob storage. Azure data factory is used for orchestrating and automating data ingestion.

2) Metadata:- Data about songs, albums, artists, user preferences is stored in Azure Cosmos DB, a NoSQL database service.

3) Data Processing:- Azure Databricks is used for data transformations. Spark based analytics is used for complex data transformations.

4) User Authentication and Authorization:- Azure Active directory (Entra ID) is used for ensuring secure access to the platform.

5) Azure functions for executing server-less tasks, small and event-triggered tasks - to process user uploads, update playlists or notifications.

6) Azure content delivery network is designed to send data to customers faster and more reliably using the servers closest to each other.

7) Azure Synapse is used to ~~querying~~ and ~~analysis~~ ~~of data~~ ~~store~~ store curated data, allows for the creation of data warehouse.

- 8) Azure HDInsight to process large scale log data perform ETL operations and gain deeper insights.
- 9) Azure Key Vault and Security center is used to store sensitive info and for continuous security monitoring, compliance management.

- 2) `git init` - initializes a new git repository
- `git clone` - creates a copy of remote repository on your local machine.
- `git add` - adds changes in the working directory to the staging area.
- `git commit` - records changes staged for the next commit
- `git status` - shows the status of untracked or modified or staged
- `git pull` - fetches changes from a remote repository and merges them into current branch
- `git push` - pushes local changes to remote repo.
- `git branch` - lists all branches
- `git checkout` - switches to specified branch
- `git merge` - merges changes from one branch to other
- `git log` - displays a log of commit
- `git remote` - lists remote repo associated with ^{current} repo
- `git fetch` - fetches changes from a remote repo without merging.