



What is a Data Source?

A data source may be the initial location where data is born or where physical information is first digitized, however even the most refined data may serve as a source, as long as another process accesses and utilizes it.

App Features With Multiple Data Sources

Example App: **Instagram**

- Instagram uses multiple data sources seamlessly. between their original database model and the data they gather from their users. For example, when a user uploads a photo from wherever they got the picture data for the upload is considered a data source.
- When you look at the insights tab on instagram you can see how many people viewed your profile as well as the geographical location. this is taking both user inputted data and map data from other internet

sources to generate this information in the insights tab

- The explore tab is a very good example of instagram using multiple data sources because they use algorithms to take the most popular photos of the day and add them to their tab. This means that instagram is not only getting information from the users profiles, but also other people who may have shared, liked, or commented on the photo

What is Data Storage

A simple way to think of data storage is by using computers. Computer data storage is a technology consisting of computer components and recording media that are used to retain digital data. It is a core function and fundamental component of computers. The central processing unit of a computer is what manipulates data by performing computations.

Data Storage Solution 1

iCloud is an example of data storage because iCloud makes it possible to sync and store data you need across all your devices. ... Apple has a cloud-based storage services, called iCloud, that you can use to store and sync photos, documents, movies, music, and a whole lot more

Data Storage Solution 2

Mega is a cloud storage and file hosting service offered by Mega Limited, an Auckland-based company. The service is offered primarily through web-based apps. Mega mobile apps are also available for Windows Phone, Android and iOS. Mega is known for its large 50 GB storage allocation for free accounts

Data Storage Solution 3

pCloud is your personal cloud space where you can store all your files and folders. It has a user-friendly interface that clearly shows where everything is located and what it does. The software is available for almost any devices and platforms – iOS and Android devices, MacOSX, Windows OS, and all Linux distributions.

What is Remote Data

Remote Data is data used from different places not exactly native to your Apps database. For a simple example is API. API is computing interface specific to an application or operating system to allow third parties to extend its functionality beyond that which existed out of the box

Remote Data Examples

- **EXAMPLE 1:** Instagram uses Remote Data when updating your photos. The Data is coming from the User but your not getting the data from the users phone. it could be coming from an article they read or their friend. also when your using the instagram app and when using the browser you still see the same status. This shows remote data.
- **EXAMPLE 2:** There is an app called zule karaoke. This app is used for recording singing and doing karaoke. The data(songs) are pulled from the sites where they are stored. or the local database for that genre and is pushed onto the app. The user then sings their version of the song and uploads it to the site so people around the world can listen and critique.
- **EXAMPLE 3:** Mcdonalds now has a kiosk you can go to. you dont have to speak to anyone to order your food. The kiosk takes the users food selections and displays the menu to the user. After the user chooses which items they want to eat the Kiosk then send their selection to their orders database and then pushes it to the Cashier where it is then sent to the cook and prepped. this uses multiple versions of remote data to complete a single task.

References(Examples)

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