Database administration & Big data

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Abstract— The paper talks about the database administration and big data database administration in Google and how Google use big data in many of technology fields and there are a lot of examples in this paper.

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1 INTRODUCTION

Google Company doesn't need definition because simply if you ask anyone around you or in the street you will probably know the answer. However, Google is a huge company was created by two students while they studying together in Stanford University in PHD program. They are Sergey and Larry. It started on September 4, 1998 in stockholder as a privately held company. The two guys own now 14% from the company and they control 56% in stockholder. Therefore, they have the power for the all decisions. Google is known as web search engine and its number one in the world these days by over than 3 billion searches. If you look to this number will you know almost every human in the world know about search engine which is Google. In this year, 2015 Google is in the top engine search in USA by 64%, people use it, marketing, and almost all business. However, the Google world came from the garage of the owners' friend. The good thing about Google story is how they start their project from the garage to reach $104.5 billion in 2014. Also, in 2015 this company has around 60,000 employees around the word. Actually, Google change the technology filed and take it to highest place (Scharf, 2010). This company always comes to the users with fantastic programs. Now, Google works in all the technology fields. This company moved from search engine to ever things technology such as Google Calendar, Google Keep, Google map, Google Photos, Google translates, Google Drive, Docs- sheet-slides, Google Fit and Google Play Newsstand (Agrawal, 2009).

Google Calendar:

Google Calendar from Google is very distinctive applications which allows the user to create his or her calendar and add events and appointments very easily through intelligent suggestions from Google for the title, people and place of the event, in addition to the ability to see appointments and events with a private event and the address of the place, which is held the images. It provides to the users many features as you add appointments from your email incoming messages in Gmail to the calendar, such as flight times and pay bills, etc., and the user can create a public calendar and share it with others, calendar dates of matches favorite team contains, for example, or the monthly meetings of team work schedules (Jain,2010).

Google Keep:

It Provides the application of the user keeping notes and recording ideas in the simplest possible way, the application to the user and allows recording a note or a number of the implementation of a project, with the possibility of writing the note or recorded audio tasks will be the application directly converts the text in addition to the possibility of keeping notes and ideas as images take a picture or add an image from the gallery. Anyone now cannot think of everything you guessed remember also it helps recording tasks to be implemented quickly, so it is easy to use Google Keep the life of the user through the organization and remind him of his duties to implement this as well as for keeping notes and ideas.

Google Maps:

Facilitates the application of Google user life maps through help him navigate easier and faster as well as to know the address and location anywhere in the city, through accurate and detailed maps for more than 220 countries and territories with the possibility of voice guidance to get to a specific place, the application provides information on public transport and dates in more than 1,500 cities in addition to the information on the traffic situation and detailed information on more than 100 million place (restaurants and tourist places, hotels, etc.), the application also allows you to review several attractions around the

world, such as museums and archaeological sites.Wrong pronunciation: zair correct: There

Google Photos:

Captures smart phone users around the world millions of photos and video clips and the challenge they face is keeping their memories in photos and videos in one place where Neat Image between mobile phones and PCs and tablets old solid storage and across different services on the Internet, which Google Photos offers him a solution offering the user to store an unlimited number of high-resolution images up to 16 megapixels and videos accurately 1080P with free access to them through the various computers over the Web and through smart phones and tablet computers, whether working Android operating system or iOS (Smith, 2012).

Google Translate:

Application irreplaceable never as easy translation of words and phrases to and from 90 different languages in addition to the possibility of translating the pictures immediate and recently became supports translation of texts in the images instantly from English and German into Arabic, imagine how easy it is when you open the application and open the camera and direct them to the menu in German or English to appear in the Arabic language, and provides application Google Google Translate translation also interpretation phonetically between about 40 different languages.

Google Drive:

With Google Drive you can store your files online and easily accessible from different devices, whether smartphones or computers Tablets, Computers, allows Google Drive the user to store documents, presentations, images and video clips with the possibility of their participation with others easily, and provides the ability to view PDF files and search for any file easily and the ability to save documents to open when there is no Internet access. Google application is available for free to Android devices through Google Play store for free mobile iPhone through the Apple App Store.

Docs- sheet- slides:

It offers three features provided by Microsoft Office where the user can create documents, presentations, and Excel files and open Office files with the ability to share any document or presentation and the possibility of cooperation with friends or work team to create the applications. The three applications for Android phones are available for free through Google Play store phones and iPhone through Apple's App Store.

Google Fit:

It helps the user to be more active and awareness factors for fitness through track activity using sensors in the phone, the user can see through the application on the steps taken by the Bmchiha and calories by the burning in addition to other factors of physical fitness through computer its own, as the user can connect the famous fitness applications such as Runkeeper and Noom and Runtastic and other applications with Google Fit service to get all the results from a single location, users can Android versions 4.0 and higher download new application for free through Google Play store.

Google Play Newsstand:

If you waste a lot of time browsing news sites, you can take advantage of this wonderful application from Google to browse the news from multiple sources through a single location in a beautiful and convenient display of the eye, chose sites that wish to follow-up and then you know the news from all these sites during the application as if you are browsing magazine.

Summary:

I went deeply over Google Company because this company in my opinion the number one in the world working on data and analyze it. The strength in this company is how it collet the data and analyze it (Kagan, 2012). We as a student's especially in IT filed or data filed we have to go over all the Google applications or programs and I'm sure we going to learn a lot in IT. This company always has his unique ways to work, analyze the information. I remember when Yahoo was the number one in the world as search engine. Yahoo used people to analyze the data and information. Also, the expert people who work in yahoo are used to sorting all the websites manually. However, Google come in market with a new idea which is letting the computer sorting the data and information. So, that Google elevated to become the first in search engine and almost all the IT fields. Finally, if I want to go over

all the Google work with the data and other features, I need hundreds of pages.

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