

ITS444- E-Commerce
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1. Why does Facebook's data center specialist argue that "The Internet is not a cloud?"

When the specialist was talking about the cloud, what we refer to here is a concept. It derives from the use of virtual servers that are interconnected through the internet, that is, allowing data, information, files, documents, among others, to be stored in the virtual space, as if they were "in the clouds", he was trying to say Data centers which he meant it is a type of a warehouse, meaning an integrated set of servers and databases that can be stored all the content that is related to the facebook, all the profiles, groups, photos, post, comments, anything related to the facebook user app or website, in addition it processes a large information systems. They can be mounted in a room, on metal racks or cabinets, or even in buildings of their own, for example of the facebook Data center, they have one that compares to a size of three football fields . They need to have fire protection as well as cooling systems to maintain stable temperatures, in case of power off, Facebook has many and many generators that would be turned on automatically to keep the website running because if the power went off, no one would be able to access their application what would result facebook to lose millions of dollars in one day. In general, they occupy large warehouses and employee access is restricted due to security. All these massive memory banks are connected to many bandwidths through all the server centers with data flying through it at the speed of light, of all the connection is able to happen only because of these twenty one million feel of fiber optic cables. We called Cloud because we can not actually see the connections between the cables and the data going through it, we only see our phone to be connected to the wireless internet.

2. Facebook had over 2.3 billion users as of December 31, 2018. If Facebook continues to employ engineers at the same rate as stated in the video, how many engineers does Facebook have?

Two thousand and three hundred employees for 2.3 billion users.

They have one engineer for every one million users.