

Research Summary on Cloud Computing

Cloud computing is the availability of computing resources and services over the internet. In other words, cloud computing allows you to use resources and services online instead of having to build and maintain the infrastructures necessary.

Cloud computing has many benefits. For one, it works on a pay-for-use basis. This means that you only pay for resources that you are using and only spend exactly as much as you need, not a penny more. Secondly, something that is very appealing is the elasticity of the resources. You can increase or decrease your usage any time you want depending of your need of that resource. A third aspect of cloud computing is that services previously provided by IT administrators will be accessible to any user at any time.

Here are some of the main uses of cloud computing:

- File storage: this feature allows users to store files online which would be accessible from any device and from anywhere. This feature is useful for individual users as well as large scale companies. In the case of large amounts of data, companies would only pay for the amount of storage they are taking up without having to maintain the physical infrastructure needed to store that data.
- Backup: manually backing up data, especially in large amounts, can be very tedious. Furthermore, it is prone to errors and malfunctions which would make this practice very unreliable. Limited space and time consumption were some of the main factors for which manual data backup was abandoned. Cloud computing makes this process automatic and free of human error. In addition to that, the issue of running out of space isn't one anymore and neither are the security and the availability of the data.

People are using cloud computing more and more because of its many benefits only some of which have been mentioned.

Websites I used:

<http://searchcloudcomputing.techtarget.com/definition/cloud-computing>

<https://www.ibm.com/cloud-computing/learn-more/what-is-cloud-computing/>

<https://www.ibm.com/blogs/cloud-computing/2014/02/top-7-most-common-uses-of-cloud-computing/>