

Personal thoughts about cloud computing

Cloud computing refers to applications and services offered over the Internet, from data centers all over the world, which are collectively referred to as the "cloud". There are many aspects of cloud computing that made it feasible, for instance, resource planning in cloud computing makes data plans and hardware consumption for enterprises more flexible. In the same aspect, the server needs high performance chips and strong implementation for parallelism, while with Cloud virtualization techniques, it allows processing power to be used efficiently and flexibly by simulating multiple virtual systems on a single chip. As for the ease of use, the current spread of the high-speed Internet technology allows users to access their data more easily and quickly, thus "Chromebook", the new laptop from Google that is built for the cloud.

There are numerous security issues associated with cloud computing, which can be divided into two broad categories: Security issues faced by cloud providers such as data security, privacy and access; and the client side security issues such as local laws and restrictions that clients may wish to be imposed but aren't applicable since data could be managed worldwide.

While cloud computing might face a lot of challenges, it holds a lot of advantages in its utility, in fact, it increases storage and mobility, reduces cost for organizations and delivers a highly automated and flexible system for IT personnel. In my point of view, cloud computing could be integrated as a notable solution in the internet-computer sector, but there have been many debates on its potential to change the computer industry. Some say it's the future of IT and every business will have to go with it; others say it's a hype and just another name for what was previously known as utility computing.

Finally, I believe that the integration of the trio: SaaS (Software-as-a-service), PaaS (platform-as-a-service) and DbaaS(Database-as-a-Service) into cloud computing will definitely push the computer industry into the next level of computer technology.

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