Jones Computing-113 Team

Building 23, cloud research department

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# CLOUD COMPUTING

## What exactly is cloud computing?

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loud computing is a web-based service that is broken down into three main elements IaaS, PaaS, and Saas. We’ll get into the weeds of what these three truly represent, but what you need to take away from this is that the cloud can virtually provide services for your business that you would otherwise need to physically have on the premises this results in the decrease in cost of equipment and technical personnel to operate and maintain that equipment.

## Which service is right for you?

The key in saving money on cloud computing depends on which services you need. Do you need Infastructure as a service, platform as a service, or software as a service? Once you learn more about each option you can make a more educated decision, however most cloud services such as Microsoft’s cloud service called Azure operate in a pay as you go format. There is also a great article by Sam Wiltshire found [HERE](https://www.krollontrack.com/blog/2016/03/01/cloud-computing/). [1]

### Iaas

provides the least amount of service, it entails servers and storage, Networking firewalls and security, and lastly a data center. The rest of the services would fall squarely on your business.

### Paas

Platform as a service, this inludes all of Iaas plus the operating system and development tools, database management and business analytics

### Saas

This is the highest level and offers all of the services mentioned plus hosted applications. This service provides the least overhead as you don’t manage any of these but let the service handle it for you.

## Security

With any new service there will always be risks, especially when you are adding convenience, it’s a give and take. Cloud Security has come a long way since the cloud’s implementation and as it grows security professionals will also. There is an article which states the risks that can be found [HERE](http://www.techrepublic.com/article/cloud-security-10-things-you-need-to-know/). [2]

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## Individual use

The cloud is a dynamic way for businesses or individuals to host their services and store their data. Microsoft azure also has basic packages for individuals the figure below shows the very basic network of a cloud infrastructure for an individual using whats called a public cloud (this cloud is still only viewable by the individual it is simply hosted on a public cloud)

*“The cloud is a great provider of infrastructure, platforms, and software” -James Jones CEO*

# CONCLUSION

In conclusion the cloud allows for services to be easily accessed by companies or individuals who don’t have the resources or need for in house physical devices. It is the next logical step for companies and has an exciting future.To view an excel document related to cloud computing visit this link [The Data](../excel/Copy%20Of%20Orders.xlsx)

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