

Assignment 1: Cloud Computing Basics

1. What are the 5 attributes of cloud computing?

Pay as you go service, no server space is required, no experts for software and hardware and needed for each individual business as it is already provided in the service, better data security, focuses on disaster recovery.

2. A small business has very stable business with a growing customer base at 5% every year. Their application that serves their customers is a web application that uses three servers one for the web server deploying Apache, the second for an application server (Tomcat) and the third deploys a database (MySQL). The owner runs the servers in his data closet in his office. The business has been in operation with a small profit each year. A cloud company sales person is offering cloud migration and operation service to move to the cloud. What would you advise the owner of the business?

It is in the owner's best interest because to migrate to the cloud. In the long run, this will save them money as the customer base continues to grow as maintaining their own data center will be costly to expand with growth. It is also important to note that there are pay as you go services for the cloud which does not require as much of an upfront cost as having their own servers.

3. What is a Hybrid cloud?

Can integrate with own data center and public cloud. Certain information may need to be private while other information may be needed publicly.

4. What are three advantages of moving your IT operation to the cloud?

Cost optimization (pay as you go/time to value), risk optimization (business continuity/technology independence), strategic agility (flexible/adaptable)

5. What are the three challenges you face in moving to the cloud?

Data security and privacy, choosing whether to stick with a particular vendor or have more flexibility, unexpected fluctuations in interactions with the system.