

1. Discuss the advantage and disadvantages of cloud based databases.

Advantages:

Easy implementation:

Cloud hosting allows you to keep the same business applications and processes without having to deal with the technicalities of the backend. Easily manageable over the Internet, companies can access a cloud infrastructure quickly and easily.

Accessibility:

Access your data anywhere and anytime. This allows for easy collaboration and sharing between users in multiple locations.

No hardware is required:

Since everything will be hosted in the cloud, a physical storage center is no longer required. However, it might be worth looking for a backup in the event of a disaster that could stall your business productivity.

Cost per head:

Overhead technology costs are kept to a minimum with cloud hosting services, allowing businesses to use additional time and resources to improve business infrastructure.

Flexibility for growth:

The cloud is easily scalable, so companies can add or subtract resources according to their needs. As businesses grow, your system will grow with them.

Efficient recovery:

Cloud computing offers faster and more accurate recoveries of applications and data.

Disadvantages:

I am no longer in control.

By moving services to the cloud, you are delivering your data and information. For companies that have in-house IT staff, they won't be able to handle issues on their own.

You may not get all the features.

Not all cloud services are the same. Some cloud providers offer limited versions and enable only the most popular features, so you may not receive all the features or customizations you want.

It doesn't mean you should kill the servers.

You may have fewer servers to handle, which means less for your IT staff, but that doesn't mean you can put all of your servers and staff aside. While it may seem expensive to have data centers and infrastructure in the cloud, redundancy is key to backup and recovery.

No redundancy.

A cloud server is neither redundant nor backed up. Since technology can fail here and there, avoid getting burned out by purchasing a redundancy plan. Although it is an extra cost, in most cases it will be worth it.

Bandwidth problems.

For ideal performance, customers should plan accordingly and not package large numbers of servers and storage devices in a small set of data centers.

Source: <https://www.quora.com/What-the-advantages-and-disadvantages-of-cloud-database>

2. How can the collaboration tools impact the company's IT staffing and resource management ?

- **Increased Transparency:**

Collaboration software can provide an increase of transparency in everyone's work.

- **Crisis planning and drills:**

Collaboration software can enable organizations to plan for crises and emergencies.

- **Faster, more effective problem-solving**

Collaboration software can be used to help users more easily trouble-shoot problems that are keeping them from moving forward in their work

- **Bring in a flash team to tackle a project**

Collaboration tools enable organizations to easily tap into the gig economy for a more agile workplace, assembling crowdsourced "flash teams" to come together and tackle specific projects

Source:

<https://www.computerworld.com/article/3211295/7-unexpected-ways-collaboration-software-can-boost-productivity.html>