* **the most common cloud providers:**
* Amazon Web Services (AWS)

## Microsoft Azure

## Google Cloud

## IBM Cloud

## Oracle Cloud

## Alibaba Cloud

* **The best use case of cloud providers:**
* **Amazon Web Services (AWS):**
* **Storage and Backup:** Storage and backup are important for any Cloud Computing service. AWS provides you with reliable storage services like [Amazon Simple Storage Service](https://intellipaat.com/blog/what-is-amazon-s3/) to store large-scale data and backup services like AWS Backup to take backups of this data, which is stored in other AWS services. AWS stores the data in three different availability zones so that if one fails, you can still access your data. This makes AWS storage reliable and easily accessible. Therefore, companies with huge application data to store and backup securely can use AWS.

## Microsoft Azure:

* **University Of Toronto:** This is the largest Canadian university and leads the global front when it comes to research at an institutional fare. It made use of Microsoft Azure to avoid heavy hardware renewal costs. It migrated some of its activities to Microsoft Azure Cloud. With it, the university managed to transform IT processes, saving a lot of time.

## Google Cloud:

## Encryption Using Google Cloud Platform: In a world where everything is on the internet, data encryption has become important in all cloud services. Encryption is a technique to ensure that data is protected and secured with a unique key or highly protected passwords that are only known to the user. This entire process helps to keep a user’s information private and avoid confidential information from getting leaked out.

* **The most pillar difference between each cloud providers:**

|  |  |  |
| --- | --- | --- |
|  | **pros** | **cons** |
| **Amazon Web Services (AWS):** | Reliability  Quality  Professional Support | Expensive despite regular lowering of price |
| Microsoft Azure: | Reliability and Affordable | Limited Features and Services. |
| Google Cloud: | Good Infrastructure  Easy Configuration  Ideal for Big projects. | Unsatisfactory Customer expensive and technical support |