

# module 8

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Hacker see cloud as ' a fruit-bearing jackpot' for cyber attack.

## The Concept of Cloud

1. Private cloud
2. Public cloud
3. Community cloud (belong to the group of organization with similar interest.)
4. Hybrid Cloud ( is the mix of two or more different kind of cloud architectures)

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## Three type of cloud computing

1. Infrastructure as a service (IaaS)
2. Platform as a Service (PaaS)
3. Software as a service(SaaS)

## How cloud work

- Cloud can be access from anywhere anytime.
- Common cloud services are Google drive, sky drive and air drop and etc...

There are some advantages of cloud computing than local computing. They are

1. Flexiability
2. Cost effective
3. Portability

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## Threats to cloud security

A cloud is nothing but a collection of computers whose resources can be shared and availed remotely by one or more users. Some threats are

1. Data breach
2. Data loss
3. Account hacking
4. Disgruntled Insider
5. Technology loop holes
6. shared space

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## Safeguarding against cloud security Threats

1. Back Up Data
  2. Update Backups regularly
  3. Create strong password
  4. Choose two steps authentication
  5. Encrypt
  6. Have a disciplined online behavior
  7. Avoid keeping the sensitive information on cloud
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## **Cloud privacy Issues**

1. Data ownership
  2. Data location
  3. Data migration
  4. Data Permanency
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## **Addressing Cloud Privacy Issues**

1. Encrypt
  2. Reads team and Conditions carefully
  3. Avoid the share feature on cloud
  4. Avoid storing sensitive data on cloud
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## **Choosing the cloud service provider**

- How much do I need?
- How much will it cost me?
- How accessible is the cloud service?
- What do other customers have to say about the service?
- How secure is the cloud?
- What happens in case of data loss?
- What is the location of the data center?
- How often does the cloud service goes down?
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