## Cloud Computing;

Delivery model for Services like

- Storage
  - compute
  - Netwood

- Analytics and more

and tooks around vering thom live migration, etc.

## key characteristics of Cloud:

Scalability: Ability of the system to Scale (increase capacing either by using horizontal or vertical scaling.

Delivered over internet

Hon'zontal Scaling: Add/Remove resource to Scale out or Scale in

Vertical Scaling: use high/low capacity resource to Scale up or Scale down

Elasticity: Automatically allocate/deallocate resources to the Service based on the demand.

Automated Scaling = Elasticity

Agility: Ability to react quickly. In cloud terms, the ability to allocate / deallocate resources quickly.

Fault Tolerance: Ability of the system to remain up and sunning during localised component or Service facture. example: when one disk fails, the data is smill accessione due to redundancy. (Applies to both Software and hardware failures)

Disaster Remeny: Ability to recover from entire region or system failure. Usually handled via replication in paired region.

tish Availability; Ability of running asystem for enteended period of time.

Uptime + Downtime = Availability (conve in day, month or year)

Measure of supperm/ sorvives whethere