Confidentiality;

Defined as the ability of a system to ensure that only the authorized people view an asset, or authorized systems can access the protected data. Under the representation of confidentiality a subject is any person or a program subject, object refers the data item, access mode refers to kind of access (read, write, execute) and policy is the authorization. It ensures that authorized persons and systems can only access data.

Integrity

It is the ability of a system to ensure that only the authorized parties (peoples and systems) can modify an asset. A data item passes integrity when the item in question is; precise, accurate, unmodified, modified only in acceptable ways, modified only by the authorized people, modified only by the authorized system, consistent, meaningful and usable.

Availability

The ability of a system to ensure that an asset can be used by only authorized parties (peoples and systems). Data is said to be available when; there is a timely response to request, resources are allocated fairly, concurrency is controlled, the service or system involved follows a philosophy of fault tolerance, and the service or system can be used easily and in the way its intended to be used.