

Ans: (2) Cloud Computing Architecture :

The Cloud Computing as whole is made of 3 basic components in regard to the service they provide to different users.

Starting from the ~~basic~~ provision of physical hardware to providing the whole ready made software for use, Cloud Computing comprises of 3 components which are as follows :

Also known as the SPI framework, they are:

- Software as a Service
- Platform as a Service
- Infrastructure as a service.

(1). Software as a Service (SaaS)

This service provided by the CSP's, include the whole provider's software application, whose security & maintenance along with updation etc; all are the responsibility of the service provider. eg: web based mail etc.

- Here the consumer gets a ready made software to use as soon as possible to fulfil his business requirements, with no responsibility of creating applications & managing them too.
- The consumer only has the basic admin control for the application.

(2) Platform as a service (PaaS)

This involves all the basic features of IaaS (will be discussed further) along with the various development tools & platform to build, test, deploy & publish softwares & apps.

- Here the customer can build whatever is needed wrt. to his needs & deploy the same using various tools provided.

- Here the control for the infrastructure being used lies with the service provider totally, along with the admin control for the platform services.
- The customer here is responsible for making his software/application & securing the same explicitly. Application developers, testers, deployers, publishers are also the users of this service.
- Platform resources are managed by the CSP.