① API :- application programming interface.

It is a software that allows intermediately two applications to talk to each other ~~each time you~~ ~~use an~~

Example :-

you may be familiar of searching flights onli~~ne~~ ~~fast~~ you have a variety of options to choose from Including different cities, departure and Return dates and more, let us Imagine that you are booking on an airline website. you choose a departure city & date, a return city and date as well as other variables. In order to book your flight tickets you interact with the airlines website to access their database & see if any seats are available on those dates & what the costs might be

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DATE

② four layers of cloud:

infrastructure as a service

This layer is basically hardware & network. The Iaas layer of cloud Computing is comprised of all the hardware needed to make cloud computing model.

PAAS :-

platform as a service

It refers to the middle layer of cloud used for development by web developers, programmers & coders. The paas layer of the cloud is based on the Iaas layer of the cloud, and is used to build the highest layer of the cloud.

Saas

software as a service:

It is the topmost layer of the cloud. Saas serves as the layer of the cloud which the vast majority of consumers use. It is built on top of Iaas & paas. Saas provides applications, programs, software & web tools to the public for free a free a price.

(3)

The cloud characterstics seperater from ogihar one.

① cloud architecture: The serves hardware is provided & maintainance is done by the service provides.

② user can draw the serviker they require over the internet eiminating the need to purchase.

③ users pay for the servicer they use. It does away the need to pay any fixed nonrly Plan fee as a Eaditional hathing.

④ cloud architecture is scalable on demand. user can increase or decrease their relource depends. on this business needs

⑤ cloud hosting is capable of handling workloads seemlessly without any Possibility of Aileur

⑥ cloud operater better data security and Recovery from any Natural disaster -