cloud computing

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- I) A cloud API means Application programming interface that facilitates development of services interface that facilitates development of services as well as applications for provisioning cloud platform fordware, and software set acts as a service fordware, and software set acts as a service gateway to enable indirect and direct cloud-setware and infrastructure to cloud users.
 - Heather data can be found in rich snippets on Google search, Apple's weather app, or even from your smart home device: Google isn't 9n the business of smart home device: Google isn't 9n the business of weather data, so they take this information from a weather data, so they take this information from a third party. There are many weather API's that power this kind of functionality.
 - 2) The main layers of cloud completing are:
 - -> Infrastructure as a Service (IAAS)
 - -) platform as a service (PAAS).

- Infrastructure as a service (1005)

IAAS providers give fow-level abstractions of Physical devices. Amazon web services (Ams) is an example of EAAS. Aws provided ECA for computang, 53 buckets so storage etc. Mainly the resources and this layer are hardware like memory processor speed, network hardware etc.

P platform as a service (PAAS);-

The second layer of the cloud is the phtform.

The platform layer provides resources to actually build applications. In combination with I dos, pass provides the ability to develop, test, run and host applications. The platform layer opens up for third provides to add their software to cloud servin.

In: A microsoft Azure Laure provides developers with swift access to a full development and depayment environment.

Software as a service !-

Soas has been used for cloud setting, it is the layor on which the user consumes the offering from the service provider. The saas layer is web based and accept from everywhere.

EX: (RM, HRM.

pans
same the 3 commonly used cloud services.

Sams is the delivery of computer infrastructure
as a service.

applications -

-> Rackspace

-> Go Grid

-) Symetria

> PAAS model makes all of the facilities required to support the complete life cycle of building and delivering web applications and services available from the anternet

application!

-> Appschale

-> Engine gard.

-> Treemark

-> so AS-) is a software distribution model in over the Internet service provider and mode available to custom. which applications are Fosted by a vendor of

applications!

-> municipal maintainance -> Employed monagement syllen -> service dest

talse, St is economical, cloud services reduce resources storage and maintainance of external data centres. significant costs associated with punchasing hadis

IN network and storage resource are consumed a resourced when laas is selected.

5) the five characteristics of aws > security !security includes the ability to protect data, systemy and assets to take advantage of archilochurian

congistently when its expected to to perform 9t8 cloud technologies to impore your security Reliability)the reliability encompected the ability of a workload intended function correctly and

-) operational encellence! This includes the ability to support development and operation and improve supporting processes. sun workloads effectively, goin insight into their

performance efficiency: efficiency includes the ability tous

computing resources to and to maintain t -> cost optimization! that includes the ability to run systems business value at the lowest price point. technologicy avolve efficiently to requirements of system that efficiency as demand changes and run systems to deliver

6) cloud daylicity!

deliver or remove sejources in order to provide just cloud provides have systems in place to automobian the right amount provider will provision resources to an enterposis cloud clasticity is the process by which a doub of assets for each project.

cloud scabbility !-

application or piece of infrastruce can be expanded to Francle increased load tor example, suppose your 1:Ke met application gets featured on a popular whater Ring scalability is the idea of a system in which every crash systems have four areas were scalability ally traffic. Howing a scalable web application ensures that Can productions addenily thousands of visitors are your app - can your infrastruce fonde the scale up to handb the load and not -) rumay Joish > cpu -I Network