

Mode	le 1
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Clark Computing is the delivery of computing sorvices including server, storage, db over the Internet Example of Cloud Service Provider are

(ii) Google Cloud

(iii) AWS.

Benifiks of Cloud Computing.

- (i) Cost → Eliminate capital expense of buying handware one Software
- > We only pay for cloud service we use
- (ii) Speed -> It deploys the services within few marse clicks.
- (iii) Productivity

 > Cloud Computing removes the need for many takes like

 racking and stacking etc, so that the 4T team

 can focus on important business epal.
- (w) Global Scale

 -) Cloud Computing has the ability to scale elastically
 So we can deliver the might amount of the
 resources at the night place at night time



(1) Pentonmance	
-> Cloud computing offen Several beni necluced network laterzy for ap greater economies of exale.	fils including
neduced network latercy for as	plications and
greater economies of Beale.	
() Dalish	
(vi) Reliability	
-> Cloud Computing make data backup, a costen and less expensive be minnoned at multiple nedurationt phovidens network.	disaster recovery etc. cause data cas be sites on cloud
(vi) Security	April 1971
-) Claid Provider offer broad set of	policies that
control and strienthen the over	all security and
Cloud Provider offer broad set of control and striengthen the over helps to protect data, apps and	infrastructure from
threats.	
Advantages	Doudvantage
(i) Backup and mestone date	Internet Connectiveter.
(i) Impraved (dlabonation	Low Bordwidth
(ID Mobility	Seconily 1 saces
10 Las Maistanerce Cost	Level of Support
OData Sourchy	
	The Table 1
The first day of retries the end and	17.10
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	Clark Andritecture.
	Client Infrastructure
, .	Frank Ext
	Eldernel 3
	Book End.
	Runtur (b) (i) (i) (i) (ii) (ii) (ii) (iii) (iii
	Cloud Computing Andritecture is a combination of service oriented and evol-driven anchitecture
(n)	That End > It is used dients: It includes web somes this Back End > Is used by service provider.
(v)	book eng - 15 usang service phoridor. It manage all mesources that are nequired to, provide cloud computing sorvices
	Components - Compo
(i)	Client Infradructure
<i>></i>	la a front end comparent Provide Gul to interact with cloud.
(n)	Application 145 a platform on software that the client want to
(")	Senvices.
~	There are 3 types of Services

		Type Of Clard Sorvices classmate
		Data
		Soo S (Software do Sura) (Take hard)
	, -A	SaaS (Software As Sonvice)
	∌	If provides clients with the ability to use
		It provides clients with the ability to use software application over the internet via
		subscription basis.
	*	Client can access application from anywhere via Web Also knowns Cloud Application Sorvice:
	7	Also knowns Cloud Application Sorvice:
17		P. C. 1 (A. L.
		Eg:- Google Application (growing Drive) We only need to pay for the services we are
	7	Utilizing.
	٠.	Rotine softmue and barolingue is booted by the
	t	Entine software and banchware is bosted by the provider and is made available to the wars
		over Wide Area Network (WAH)
	+ _	H eliminates the beed for maintanence, estimate
1	7	licensing, installation
44.4192	k	Principle Scalabity
	*	Hovide Alexibita.
	7	Disadrantage: Limited Customization and Slaver Speed
		Paas (Platforno As Service) - (Perst Car)
	₫x	Hern own applications and bost them. Also known as Cloud Platform Dervice In Paas, the client manage application and data and provider offer computing services like storage, virtualization and notwork. Besifit of Paas is: Simplicity and Convinenance
	-/-	their own applications and bost them.
	×	Also knows as Cloud Platform Denvice.
	女	In Pass, the client manage application and data
		and provider offer computing services like
		Storage, virtualization and network.
	*	Besitif of Paas is: Simplicity and Convinenance
		G TIP
	K	Main disadvantage: Security

Hardware As Sewice Jaas (Infradrudine As Somice) - (Lease (a) -> Providen provides only the handware and network
-> The client should install and develop software application
-> Also know as Cloud Infrastructure Sorvice. -> The client manages Application, Data, Rustimes OS, and Middle ware. -> The provider supplies additional sources like land bahairs clata backup, necovery and storage.

-> Client bandles most of the workload of maislaing and managing software largers. Eg: IBM, AWS) Advantage: Enable Innovation, Incheased Sacurity Disadvantage: Network Comedivity, Cost (N) Kustime Clad - Provide execution and runtime environment to VMs (1) Storage -> H3 the Important component of Cloud Computing > Benifits (i) Total Cost Of Ownership (ii) Time To Deployment (ii) Information Management Requirement of Clark Ground.

(i) Dunability (Data graved be nedwordarly stored)

(ii) Dunability (All data must be available whenever needs)

(iii) Ecousity (All data must be encrypted)

classmate



	Types of Clovel Storage
	Object Stomage (33 Bucket) His an object stomage for large unstructured data It belos data easier to access and analyse His cost effective (Stored in mpositionies)
(ø)	File Stoage (Amazon EFS Elastic File System) Histories clasa in beinauchical folger or file formal Also known as Network Attached Stoage.
5 . []	Block Storage Calmazon Elastic Block Store (EBS) Data is stored in block Each Book represent separate bandware Better performance
(A)	lofrastructure It provides services on host, application and notwark livel
_(u)	Mangement
	He used to manage component like application, storage service of.
And I	Security. Is a built-in backend component.
(xi) = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 =	Internet a medium through what front and backers! thereof with each other.



Type Of Deployment Models	
(1) Public Cloud	
-> 17 is eccessible to the fourth. -> Used by organization with growing and fluctuating dem and iso used for companies with low-security.	Du
and isoused to companies with the scientific.	_
-> Advantages * Minimal lovestment	_
* No Infraghentine Management * No Hardware Set.	
* No Handware Set. -> Disadvantage	
→ Disalivaritage A Data Geornity	
* Reliability.	
> Olored by 3rd party cloud service provider	
0 _	
Private Clard: (coporate (lad) -> Its a cloud owned by a specific organization or co	-24
-> Cappox be accessed by public users	
-> Used by companies that look for cost efficiency	
and data security. Daranage	
+ Dafa Privaccy &: Cisco, Vincoue.	
* Security) -> Disagnantage	_
* Cosk	
* Scálability	
* Maintenence.	
	_

Hybrid Clay (Combination of Public and Private

Non critical activities are performed by public clark

initical activities are performed private cloud

Sed in healthcare and finances

For Amazor Google

Harantage

Flexible

Retrobiting

* Cost Effective

Retrobiting

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