

DOMS Page No. 2) Cloud Computing Cloud computing provides on-demand occess to a shared pool of computing morountes, Inclualing servers, storage m/w & services over the intermet Cloud computing others scalability Appribility & cont effectivemens making it suitable for various applications such as S/w as a services (Seed) Infrastructure as a services (Joan) & platform as a services (Pares) Organizations can beverage cloud computing to deploy applications store data I scale recoveries dynamically based on demand. a) Distributed Computing: Distributed computing privalves the use of multiple Poder connected computers modes to solve complex problems collaboration Tasks are divided Porto smaller automus & distributed among there modes, which work concurrently to provens data & ponduce results. Distributed computing is used in parallel processing & dota analytis content delivery m/w (cons) & decentralized systems like blockchain.

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Ubiquitous cloud computing represents a paradigm ability in now computing resonances are accessed, managed & utilized. It involves the delivery of an demand computing anxives, including etcoage, processing ponce & applications, averaged into a interpret of religing an local geness as individual devices, users tap into a shared pool of recurred hasted on remote servers. This approach afters unparalleled flexibility, scalability & accersibility allowing users to access their data & applications from virtually anywhere with an interpret Commetter,

Parcellel Computing:

Parcellel Computing is a computational

parce dign that involved the simulataineaus
execution of multiple tasks as subtasks,

ultilizing multiple processors as cores.

This common is pivotal for tackling complex

problems by dividing them into smallers,

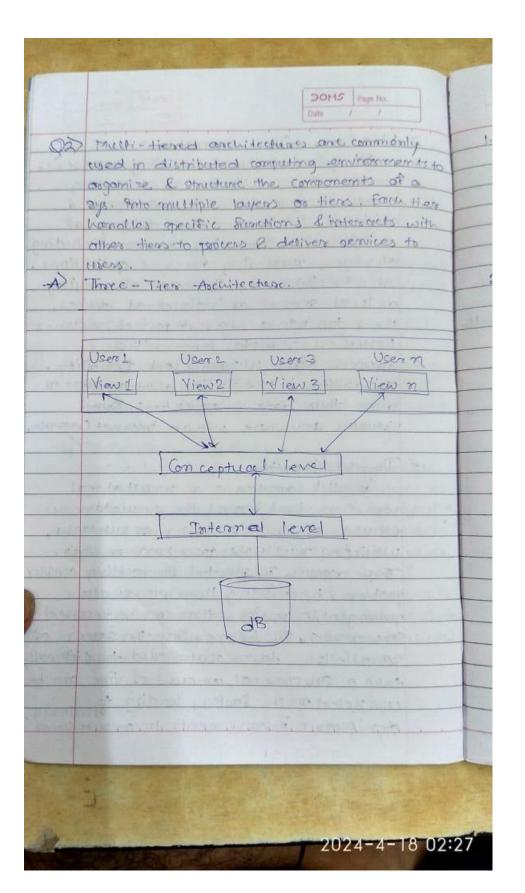
manageable postform that can be processed

concurrently, by harmening the power of

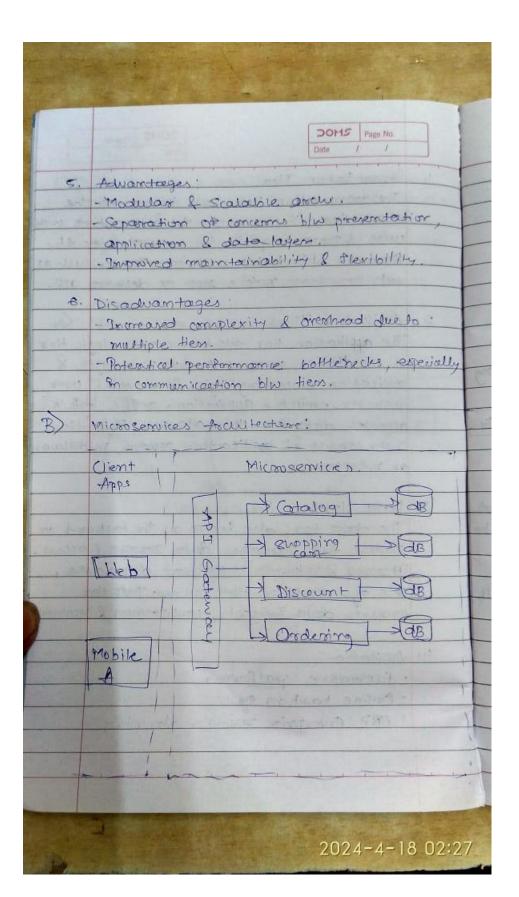
parcellesism, tasks that would tradifferably
take a substantial amount of time can be

completed much faster, leading to

computational.



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1	Presentation Tier:
_	The presentation tier, also known as the
-	TENDERAL PLANTS
_	A LAND A
_	TOURS ILDER Intervence and as
	web trousers, mobile apps or deskton app.
2.	Application Ties:
	The application tier also known as theologic tiers
Derias.	or middle tier, cortains the business logic 8
-	application processing logic. It handles were
-	requests, executes application - specific logic &
-	accesses data from the datatier. This fice
	may consist of application servers, middluss
	go micos semires.
	No. 1 and 2 and 2 and 3
3.	Data ties:
	The doctor tiers, also known as the backend or
-	Storage tiers, manages data storage & arcus.
7	At stories & retrieves double from doutes ares,
- 10	file gys, or other date sounes. Thes fier
7	ensures data Integrity, consistency, & security.
	The state of the s
	Application.
	- Frommene platform
	- Conline hanking eys.
	- FRP: Enterprise resources planning.
	The second second second second second



DOMS Page No. 1. Micros Services: In a microsomines and, applications are decomposed Parto smaller Padeperational gravites that are developed, deployed & scaled Independently. Frech microsemicas represents a specific husinen function on capability & communications with others services via lightweight protocols, such as HTTP or message queues a Applications - Cloud native app - Scalable neb app = ToT platforms. 3. Advantage - Increased againity & scalability - Improved Doubt Prolation & resilience. - Technology diversity & polyglot programming. 4. Disadvantages: - Operactional complexity, including service discovery, oschestration & monitoring. - Distributed sys challenges, such as now laterry & eventual consistency.

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