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MICROSERVICES

ASHISH GUPTA

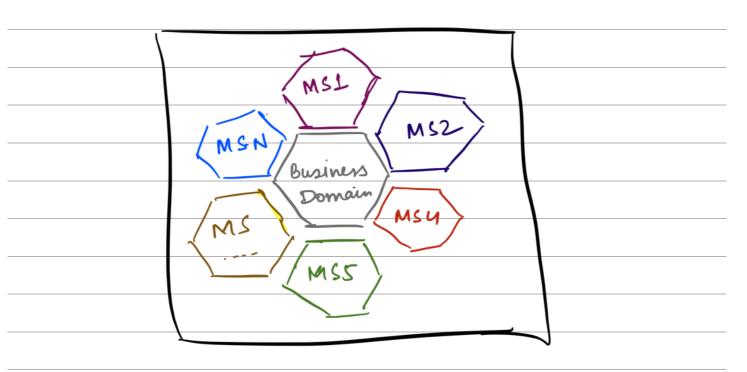
- 1. Why Microservices
- 2. What is Micro Services Architecture
- 3. Feature of Microservice Architecture
 - 4. Advantages
 - 5. Real World Companies using this.

Why we need Microservices?
Before Microservices Monolithic Architection
Monolithic Arch is like whole Software is composed in Single piece.
All programs are interconnected and interdependent in monolethic architecture
Dos a tightly coupled Architecture.
* Major cons of Monorinic Architective are:
· Difficult to understand and modify the large and complex applications.
· Development will be Slowed down over time.
· Quality of Code degrades overtime.
BLOCKS CONTINOUS DEVELOPMENT: Les to deploy small change, you will have to deploy whole application which interest the services.
interrebt the services.

0	Unscalable: différent Services might require différent lesources and
	require différent lesources and
	but since its one app, so scaling will be done for all Services.
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•	Unreliable: if any one tring failed
	whole app will feil, it
	Unreliable: If any one thing failed whole app will feil, it maker highly unstable.
•	Enflexible: can't adapt new teh and
	framework early.

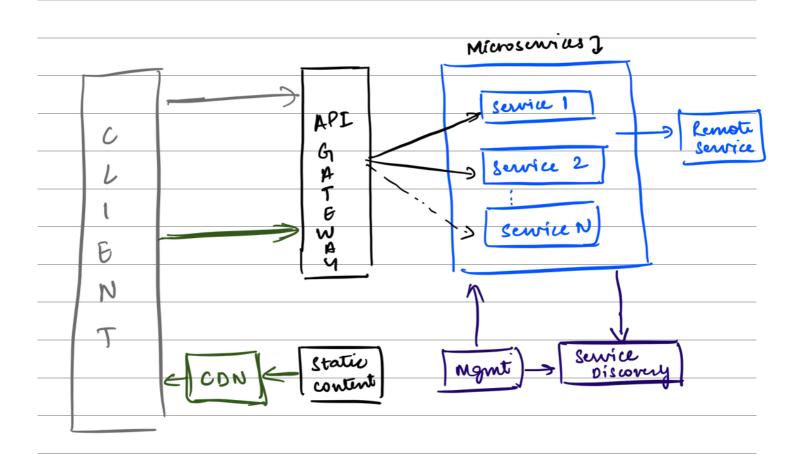
What is Microservice Architecture?

Microservices/Microservice Arch is an Architechtural Style that Structures application as a collection of Small autonomous Cervices modelled around a Business Domain.



* Each Service is Self Contained and implemente à Single Business Capabilety.

* Communication blu each microservice is Stateless communication.



- * Each Service is responsible for persistance of its own dater.
- * Emplementation is hidden from other Services.
- * Tech Stack can be different for diff services.

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* FEATURES of Microservices Architectin:
1. Small Focused:
2. Loosely Coupled
3. Language Neutral
4. Bounded Context
No need of understanding the implementation of other microscorice by one microscorice.
microsence by one microsenvil.
ADVANTAGES
* Endependent Deployment & Development
* Mixed Teel Stack
* Fault Esolation -> One Service goes dour whole app will not.
* Granden Scally.

*	Companies	Using	Microscurius	
	AMAZO	N	TWITTER	
	NETPLI	CX	UBER	
	Znd	Many	More.	
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