Agenda.				
7 Monoli	Hic			
- Micro	<u>lervices</u>			
2 2008 F	come of	Monolith	1 (2)	Miconservices
7 Comm	unication	blm Mic	volervi	ces
fliphart.				
2008-				
-> Producte	ruice			
+ Order Sen	lice			
-> Payments	service			
> Tracking.				
→ Searchs				
> Auth Ser	rvice			
]
P	20			
		ی ا		

#

4100 orders Day

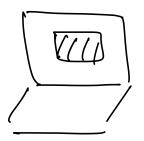


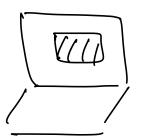
=> 890+

2012 - lok orders/ Day.





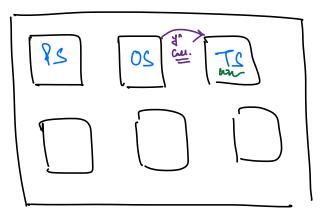




2018
In orders Day.
> 1000's of servers.
7 100+ Software Engineers.
PS OS TS => Single Deployment >> Single Executable file >> Monolithic When all the components are
part of the lawe application.
Strangler fig Portern
7 Transportation Org

7 975: Global Transportation Service.

>> Migrate 975 to MicroScruizer.



Cons.

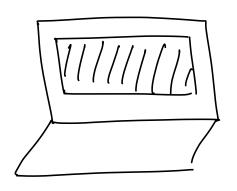
No teen stack flexibility.

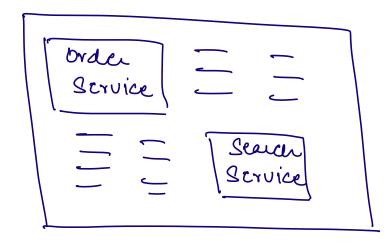
A small issue can bring the entire appidown.

There deployment time.

Peveloper onboarding might be difficult

No delective staling





Traffic of Search Search 7777

Traffic of Order Search

Microservices.

- 7 Pivide the Codebase Into smaller 4 individual services.
- 7 Multiple executatore files.
- ? Small independent codebases.



Order Service Tracking Scruice

los.

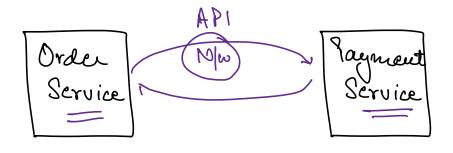
- -> Individual deprognents are fearible.
- 7 No cascading fairues.
- 7 Tech stack flexibility.
- -> Selective Scaling is fearible.
- 7 Peurloper Ouboarding is Easy.

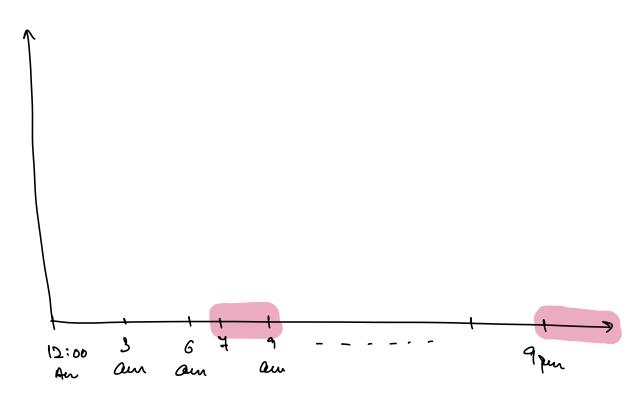
Cone.

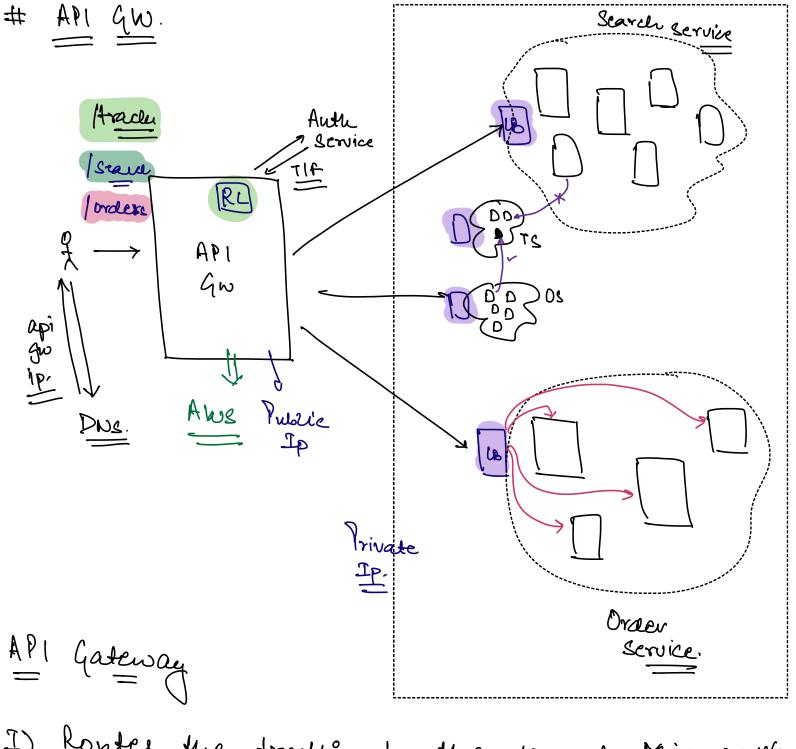
- -> Managing so many microservices can be a very big Challenge.
- 7 Regnest tracking can be difficult.
- rifferent services are going to talk to each other over the now.

Ly Extra latery

7 Infra Cost lan go UP.







- I) Rontes the traffic to the correct Microservia
- I) late limiting.
- (ii) Authentication.

Insound Rules: from volvere me want to allow the incoming traffic.

Outbound Rules: Where we can send the nesponse.

—— * ——

→ Microservices communication → CQRS, SAGA, Circuit Breaker