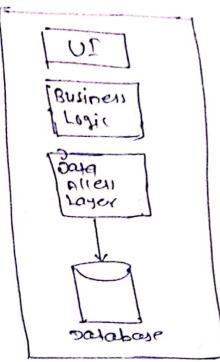
## Microservies

Monolithic the Single application in Which



on your different module are smuthed into single propert in senote senser, such type of eachitecture is could monolitic. Inono - single

oisadvantage of Monolithic Architecture is

1] sifficult to deploy big application.

2] scalability:
1] difficult to deploy maintain deploy process.

1] difficult to deploy maintain deploy process.

e.g. If Jour project is deployed then you want to add extra functionality then you have to redeploy all Jour project.

Scalability is a project in which number of instances of application increses of decreases decreases rapidly.

If you have to maintain scalability, then number of instances of application you have to increase when traffic goes high of then traffic goes down

number of instances must demeates. If you maintain scalability in monolithic then you have to some all projects i.e. you have to create number of instances af project. you have to slave unreliedeted (ode Oso. e.g. If traffic increases on shopping

profile pages then you how scale also to over, profile & other code that does not need to be scales

3] Technology not felexible for technology Changes - (Intexible).

1.e. you can't develop code in different larguage.

6) monolithic orchitecture is unteliable: i.e. when one of module goes down the entire application goes down.

Milroservies » 1) multiple, indivisual, deployable (omponent colled as microlesvices. (2) microservices are an architecture Libert in all the component of pystem are put into individual components, Libich can be built, deployed & scaled individually.

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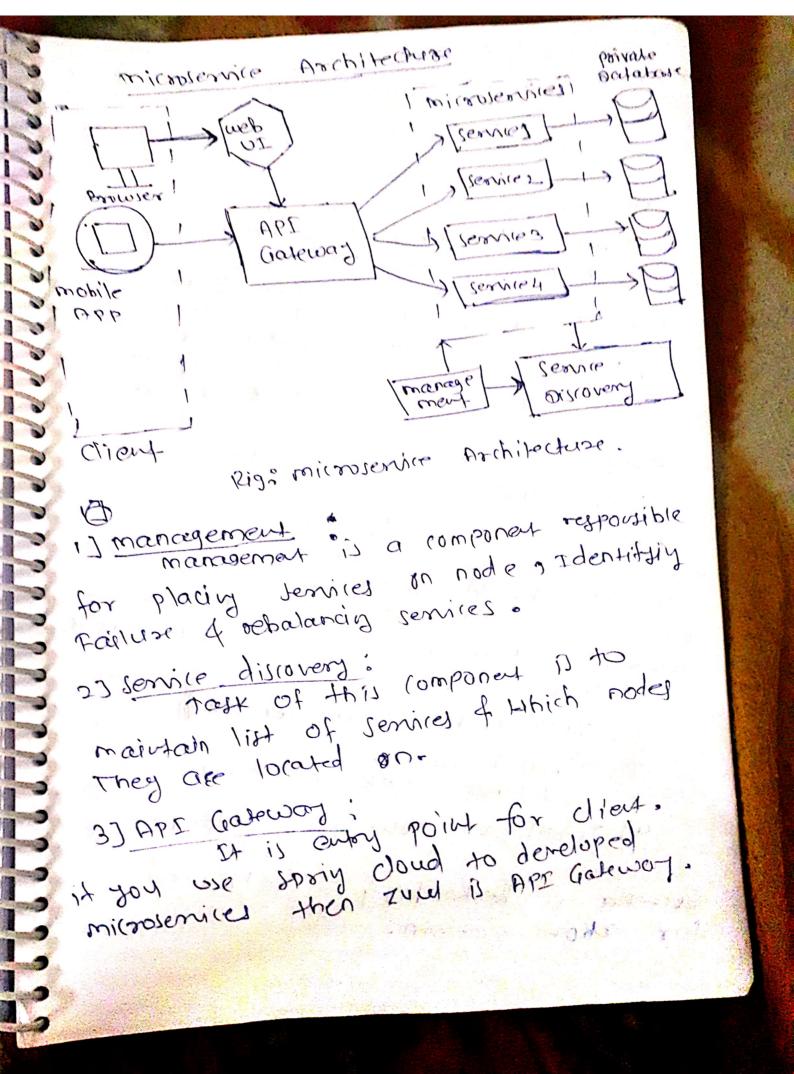
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How to design microsomies? -> 1] seperate data. Hose for each millionservice. 2] repende build for each service. 4 6 TO manage such huse amout of ferrices, we need Registration ferrer to sidelify the services, **\_**1 4 to Methix bad has berner named of Euseka, where all Lour service can régister Hemself, and identifican be easily identify. Euseka means -> OX I found it. & This server is openfource & Spring stoud has incorporated into c I C Aprily cloud. What is spring (loud? aui und build some of common pattern in distributed system. **e** Pattern : -> make microservice work well together! 2] consiguration management literpessies
37 circuit CI 3) circuit braker CI 11 When it experience flowners. 1)zuul. 4] Intelligent souting for above pattern. CI 16 )11 m cd CA

1) add dependent "Spriy-Doud-Hoster-neterix- eusexa-server". Euseka-Jener: 2) Use @ Enable Eusekaderrer 3) consigure some properties. 1) add dependent "spring-cloud" starter- retrinix- euseka- Client". 2) We @ Enable Euseka client. 3] (onligur some properties. Oynamic-nowling to zuul-server is geteway application Zull - somer D that hardles all the request & does the agramic souting - of microservice Application. 3 add spring-(100d-8tooker-Zuul dependenty To Coeate Zule Server: 23 @ EnableZuwlproxy @Enable Euseaka dient 3] Bonzigur some properties.