In every Application (Hioroservice) proporties/ Jul file contains setup Helated keys like

- Data Source, ORM, Butch, Grail, ADP, Sewrity, Ewreka, Cas Gateway --- in the form of key = value.
- In case of multiple microservices, there are repeated for every project.
- -> \* \* In this case, Config server concept 9s used, for:
  - -> Writting common properties only one time outside of all projects.
  - -> Easy to modify common properties (one place to modify properties till that effects all projects).
- -> Fren service instances not required to stop/
  ye-start for effect for properties tile
  modifications (Regresh scope).

-i- Types of Config Berry:

Spring Cloud has provided setup and support for configuration broporties in two different ways. Those eye

a. Native Configuration Client file

b. External Configuration extent file

9. Native Configuration File:

In this case one broperties file 9s created outside all microservices in a folder system (or drive).

ex. d:/abc/myapp (or under config server location

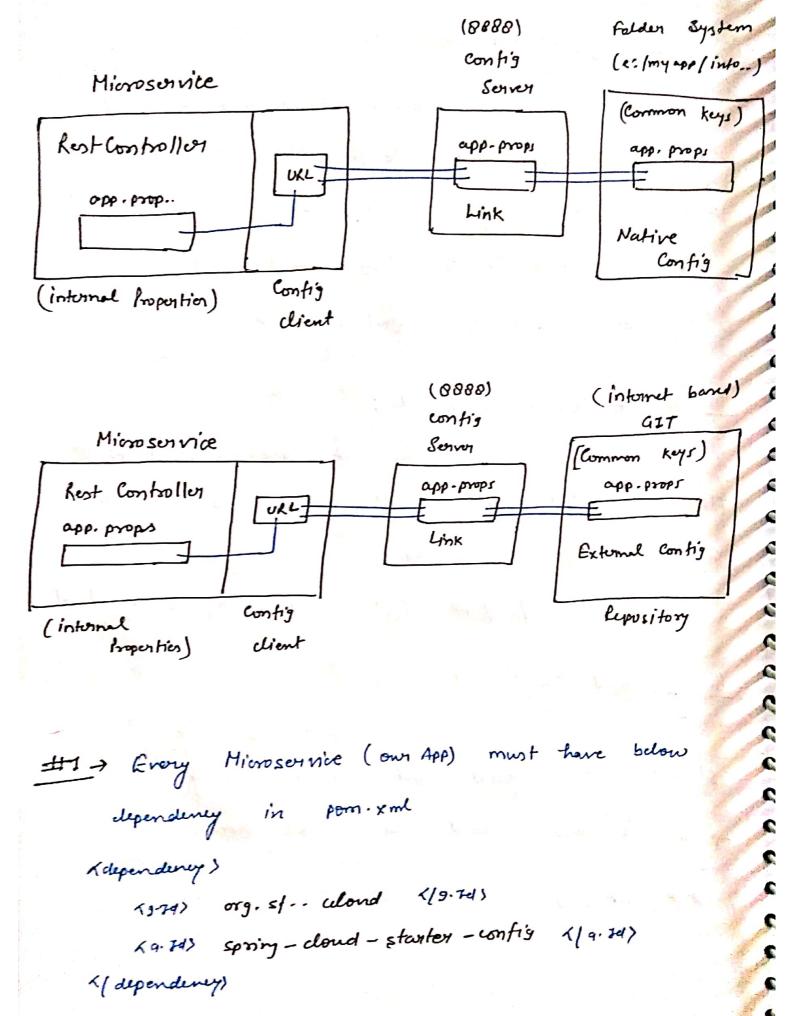
6. External Configuration file:

Huge properties file 9s

placed in internet and accorded using its UKL.

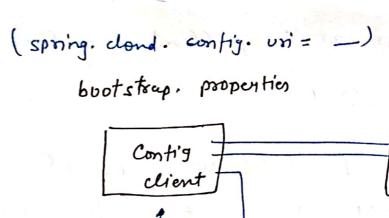
To The 9s also called as Global hocation

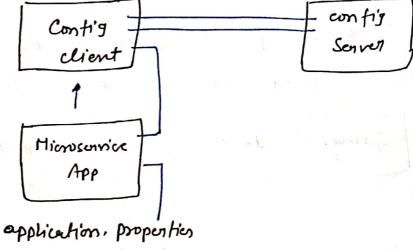
The Git Hub 9s used in this process.



```
-) It behaves as config client (ly component) connecte
         to config servey.
ID
D
      -> Above config client dependency will search for
D
D
        Config server in dejunt location given as: (key=val
D
D
        Spring. cloud. config. un = http:// localhost: 8808
The
D
         To modify above location (It or Port) provide
this key in config client setup using bootstor
1
bootstrap. proporties file.
100
What is the difference blu application, properties
         and bootstrap. properties file?
         Application properties tile is to provide input to
our location,
          Where bootshap properties file 9, used to
         Provide input to payent project (or configuration)
         setup) which gets run before our app.
         Exemtion Order :
                            bootstrap. properties
```

application. properties





-> \*\* By default config client will not get opdates, modifications from config server after starting dient + microseurice.

Only first time contig client tetch the data

From to get your modification after starting

client (without re-start)

use annotation! @Refresh Scape

-) At config server Application add below dependency in pom.xml.

Xdependency?

Xg.74> org.st...cloud X[9.74)

Xq.7d> spring - cloud - config - server X[9.74)

Adependency?

C

C-

Can

C

C

6

C

At config server starter clan level add annotation e Enable Config Server

In application, peroperties (in config sorver) provide

Native or External configuration def details.

This file also called as hink file.

application. properties ---

Server. part = 8888 [recommended]

per 9it { spring. cloud. config. server. get. ori = \_\_\_

formalive { spring. cloud. config. server. native. search-localisms = sorry. profile. active > native.

12-8-19

12 38

JANE DE

Con

Ste

Step#1 - Create Ewicka Sorrey and schip -> ewicka

#2 - Create Config Sever Application -> config sorver

-> Open Stooter clan, Add Annotation CEnable Config Survey

→ application. properties

2888 = trad . Lares

Spring. profiles. active = native

spring. cloud. config. server. native search-locations = clampath 2/ myapp/ config/

# spring. cloud. config. server. native. sevech - locations = file: /// myapp/ config

- -> Create folder myapp-config under srd main/resources
- -> create file "application.properties" under "myappconfig" folder.

my. mig = Hello from Native

5	3- create any microsorvice app [all will be config dring
)	o and a second
3	eureka discovery client, config-client, web
S	
S	L'ila bartation monocities
	-> create a tile bootstrap proporties
_	
<b>)</b>	bootstrap, properties. [to communicate with server]
3	
3	spring. cloud. config. un = http:// localhost: 8888
3	
<b>)</b>	
3	-> application - properties
3	
3	server. port = 9900
Ş	
	Sporing application, name = CART-APP
ر د	eureka. client. sorvice-wel dejaull-kone =
5	http:// locallwit: 8761 / ewick 9
<u> </u>	
~	
	4 Rest Controller Code
7	package com.app.sest;
3	
_	@Rest Controller
_	Creayuest Happing ("/curt")
ر ر	
_	public class Controller
->	
9	( Value ( \$ my. mig ! Hello default one 3")
	private string code;
2	J
-3	

\* First try to get from config server, if not present then dejunt will taken eValue (" \$ 5 key: dejunt valus") 1 @ Gettlapping ( 4/show 4) public String show () Jeturn " from cost + + code; -> Execution Order -> 1- Ewika Surver 2 - Config Server 3- Cont Application for External Server E Spring Cloud Config Server External?

for External Server & Spring Cloud Config Derver External]

1. Enreka Server, Client App age same as previous.

2. Greate Config Surver App.

3. Crea To application properties file provide details

of git usi

application properties—

applications proporties.

server port = 8888

spring. cloud. config. servey. git. uni = fitte:// fittesb. com

(abcd sample 2019 / spring

cloud Confis

-> Github detur ->

A STATE OF

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No.

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1 ,

- -> Create you Repor springchandconfig [anyward]
- orecte a year file application properties

  application properties [config External File]

  my · msg = Hello from git
- copy us for configuration proparties title.

Note - If we change something in external file [int github file] then changes will not be explicated in own application. When first time when app is Loading then data 9s tetching from server.

To spellet changes in our app. with without reload we need to apply an annotation @ Represtiscope on controller dan.

Repenh 9s a service of actuator so we need to add this dependency in on app.

-> To emple Refresh concept for Microscanice application ( byt-App). Follow below skps mor Topide config client [curt APP] -> Open pom-xml & add dependency - actuator Kelepondency) (64.61) tred + \$2.620 (84.64) (a.14) spring - boot - starter -actuator x/a.74) 4) dependency) application, proporties add management. endpoints. web expassage . include = + 1 -1 -) At controller level add annotation expreshscope - lum - Eweka Survey, Config Survey, Cart App Enter wie for contapp - Now modify value in gither tille. + Open Postman I make POST POST | http:// locallost: 9900/ actuator / refresh SEND

- After showing snever App Henge, goto as west app und and estertu

Nok >

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aethator/refresh :- It is a ready made service given by spring boot, that tetch data from Configurary location to own App.

-) It must be made as <u>POST</u> Type survivest only using any the Wient (ea. Postman)

Executed then application. properties [input to expr] will be loaded.

-> Whenever external application, properties changes then just make a post reguest to actuator using.

postman or just Template.