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Spring Boot 9AM

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Spring Cloud : Config Server

\*)Config Server:-

Externalize all common properties(key=val) from every MS.

=> In our application there can be multiple Microservices.

ex: Search, Payment, Cart, Feedback..etc

=> In Every MS# we will provide key=vals using properties.

=> In those key=val few are common.

ex: database connection, email, eureka location, logging, pool ...etc

=> Those Common key=val do not repeat in every MS#, provide one time using Config Server.

=> This Config Server two types.

a.\*\*\* External Config server (Git Account)

b. Native Config Server (Local Drive System ex:D:/drive) [Testing purpose]

\*)Note:-

1. We should create one Mediator Server project 'ConfigServer'.

2. Recommended Port number for Config Server is 8888.

We can even change it.

3. Config Server also contains one properties file that holds location of External/Native Config file.

4. At Every MS# add one dependency 'ConfigClient'.

[no coding is required, only dependency]

5. When we start our MS#, first component executed is 'Config Client'.

That gets common key=val from Config Server.

=> When we start our MS#,

a. Call Config Client First

b. It goes to Config Server

c. Read Location from ConfigServer#properties

d. Goto External/Native Location

e. Read all common keys into ConfigServer

f. Provide it to Config Client

h. Merge with MS# properties

g. Execute other lines of Code/Services/...etc

-FAQs-----

Q) How many config servers can be created for one Application?

A) One Config Server.

Q) Which dependency should we add at MS# to link with Config server?

A) Config Client.

Q) How many types of Config Servers exist?

A) 2 types.

- a. External Config (git) [Default]
- b. Native Config (local)

Q) What types of keys placed in Config Server ?

A)

Database connection  
Email Keys  
Eureka Keys  
Actuators  
Security Roles  
Token userId  
topicNames for MQs  
Connection Pool Details  
Admin server keys  
..etc

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