# Case Study 1: Spring Config Application

# Problem Statement

Have a configuration done for microservice in git repo and through spring config server access it in Spring config client.

# Part 1 – Spring Config Client

Steps

1. Create a Spring Config Client application with name LimitsConfigClient.
   1. With web,devtools,actuator and config-client.
   2. Create a class LimitsBean that has minimum and maximum attributes.
   3. Create a RestController to return a JSON values of LimitsBean object in method getLimits()—url getLimits

2 In application.properties

A Set the application name limits-service.

B Set the Limits –

limits-service.maximum=100

limits-service.minimum=10

3 Create a class LimitsConfiguration access these properties

Mark @Component

@ConfigurationProperties(“limits-service”)

Return these as Json on the browser.

# Part 2

# Spring Config Server

1. Create a Spring Config Server app (LimitsConfigServer) with web,cloud config server,dev tools and actuator
   1. Set the name and port
   2. Git Configuration
   3. Enable Config Server
      1. @EnableConfigServer

D Create properties file in GiT repo with <Clientapp name.properties>

E Test the default profile.

Case Study:

Create a Service called CurrencyExchangeService in port (8002,8003,8004)

id ,from,to,multiple,port