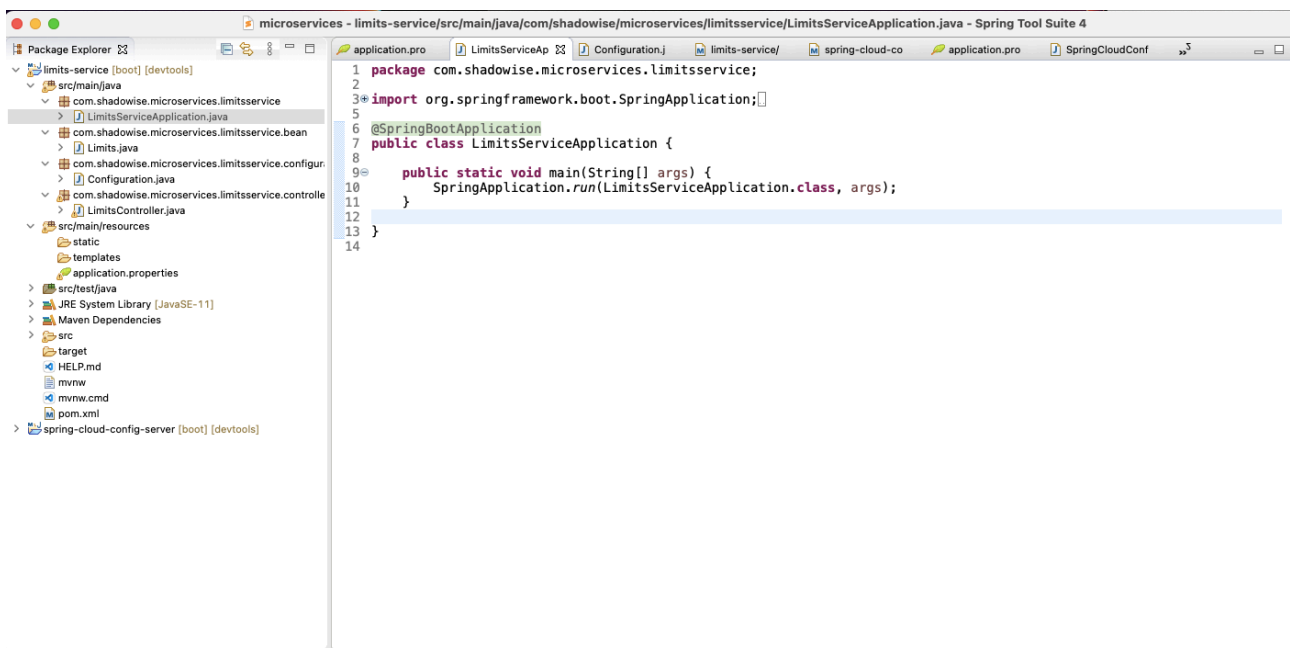
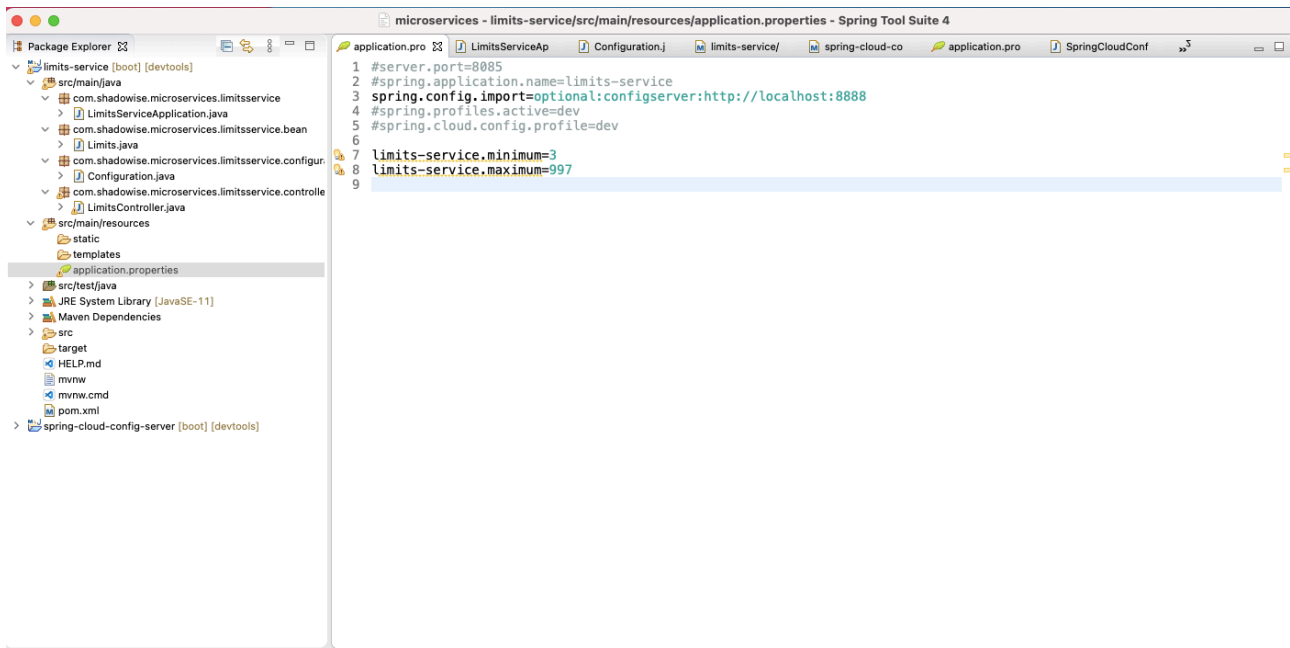
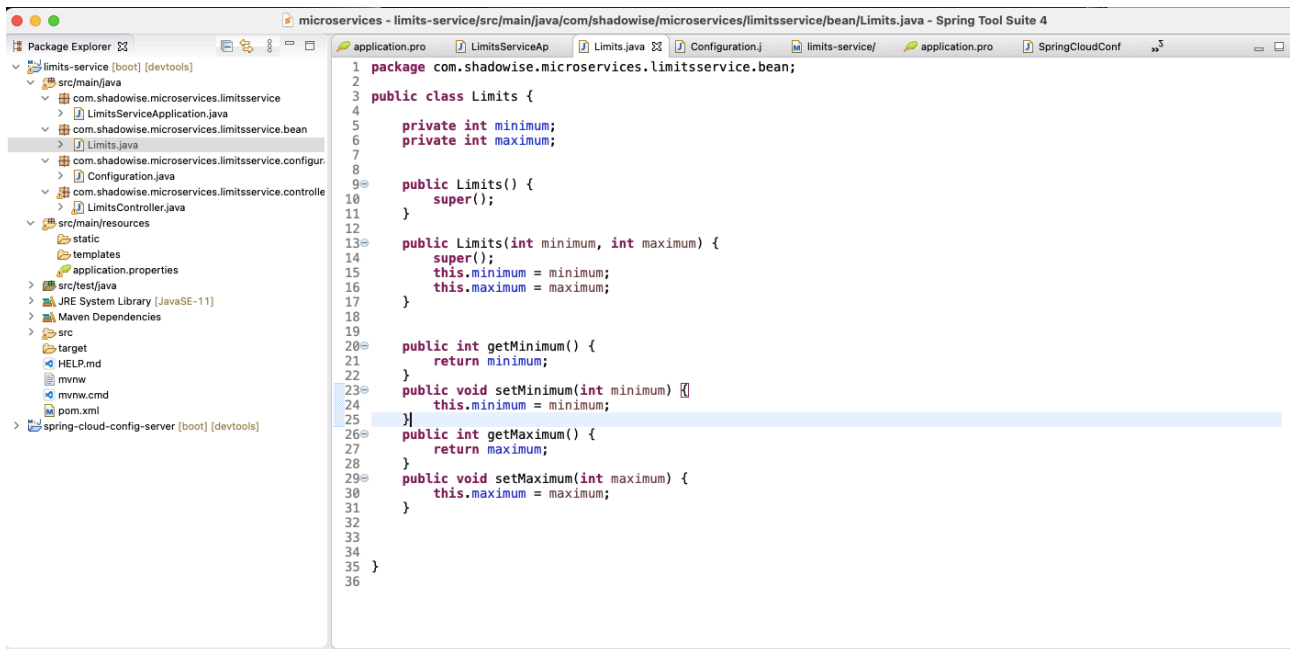
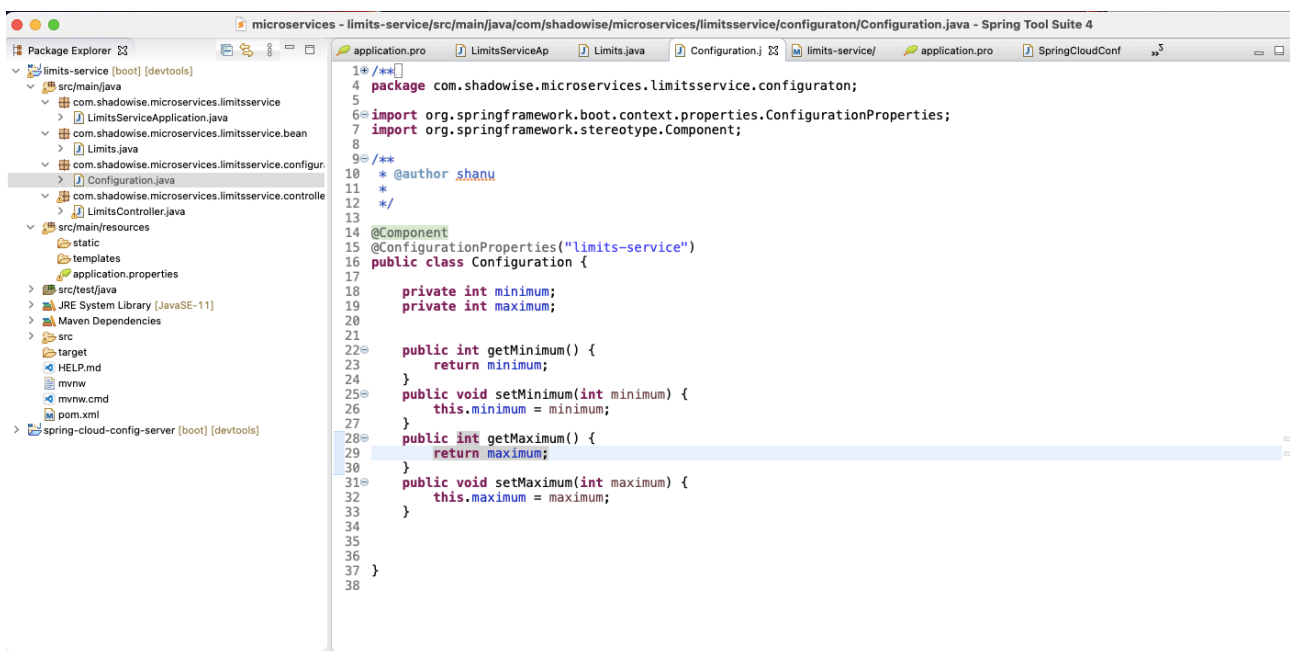


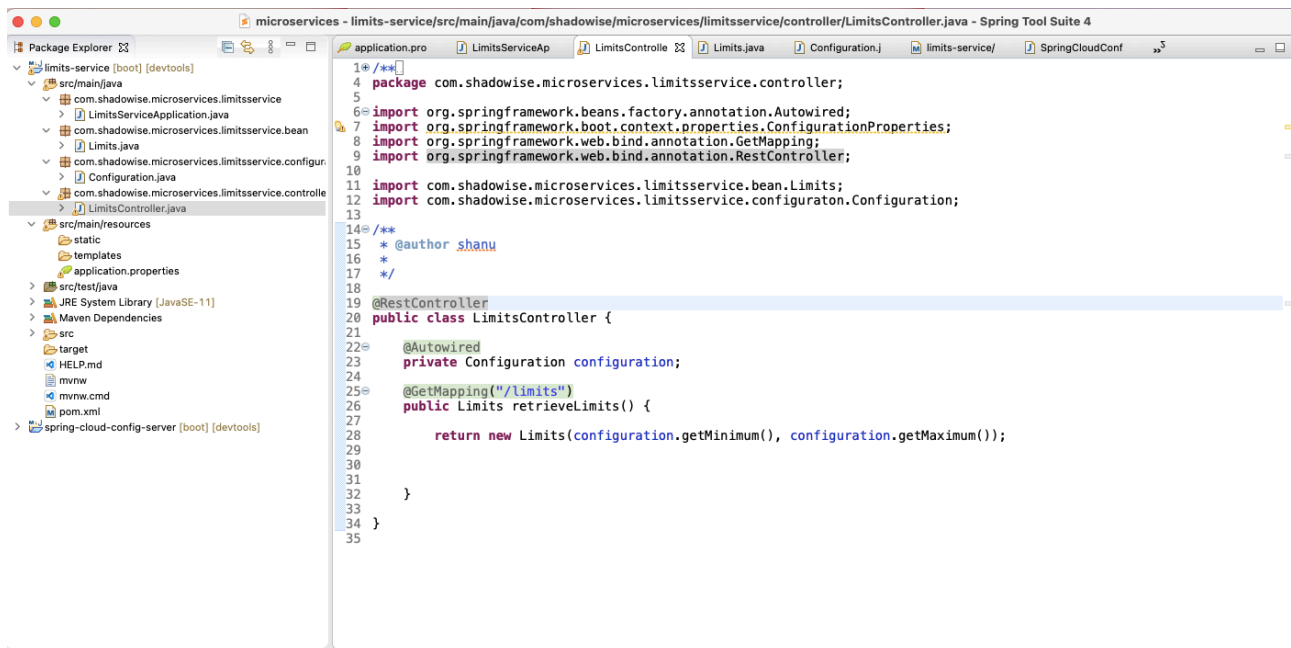
1. Limit Service



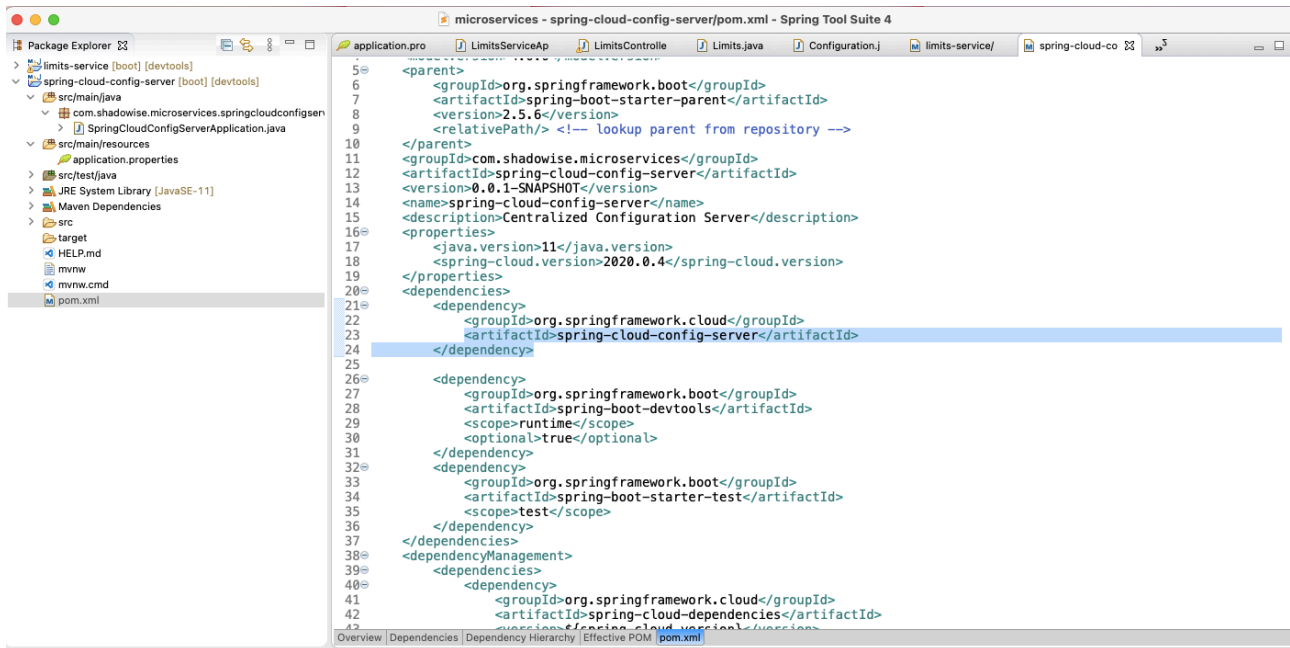


Pick properties from Application.properties file

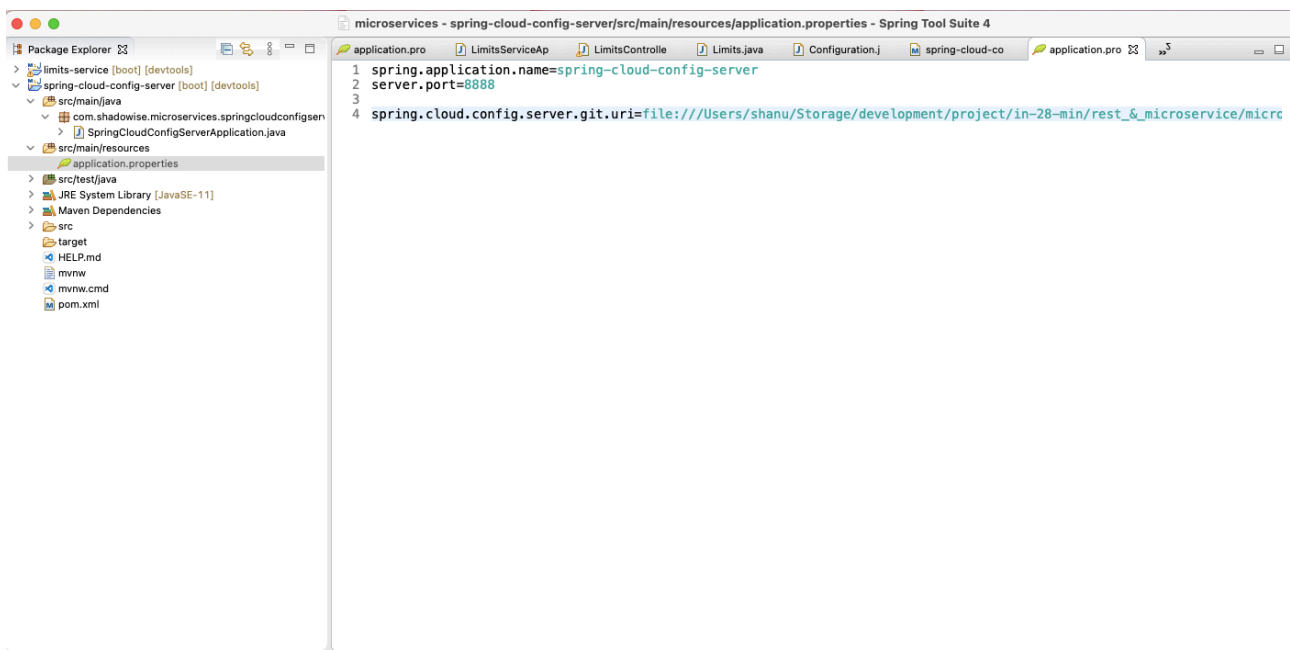




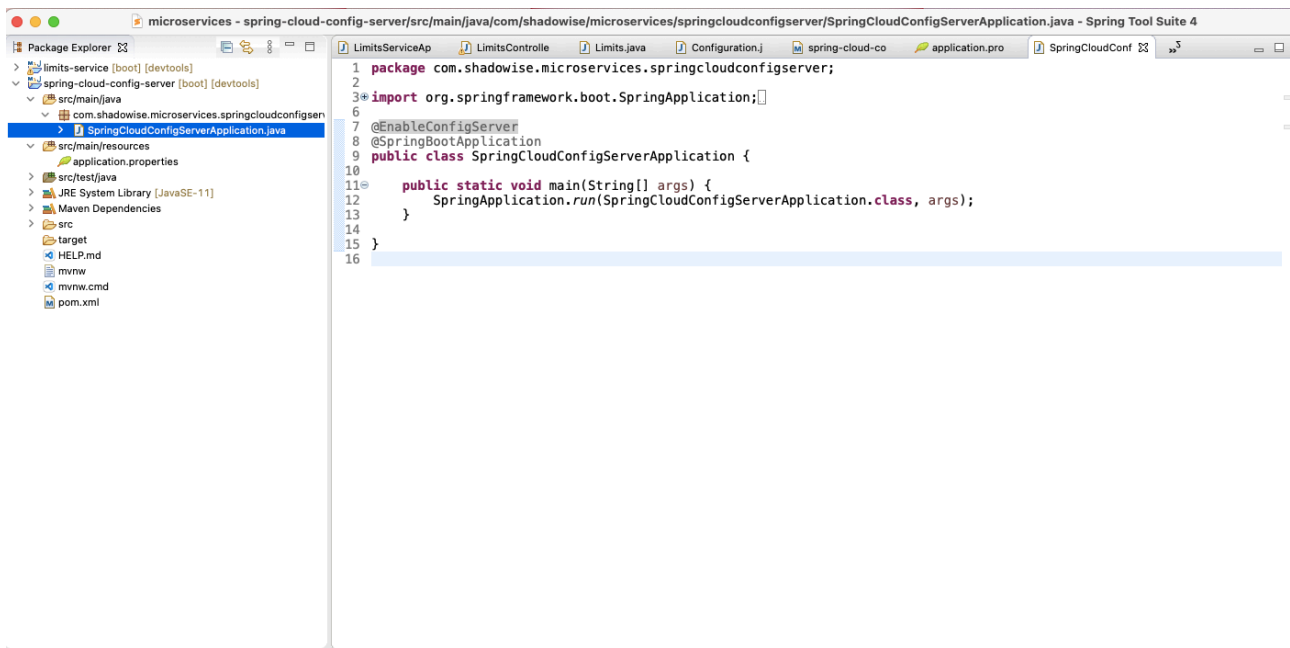
2.Spring Cloud config Server



Read configuration from GIT repo(Local git now)



@EnableConfigServer. For get data from Git repo file



3. Connect limit service to Spring cloud Config server

Limits-service : Pom.xml

```
28     </dependency>
29     <dependency>
30         <groupId>org.springframework.cloud</groupId>
31         <artifactId>spring-cloud-starter-config</artifactId>
32     </dependency>
33
```

Above dependency already added .so this is required to connect with cloud config server.

Limits-service :Application.properties file

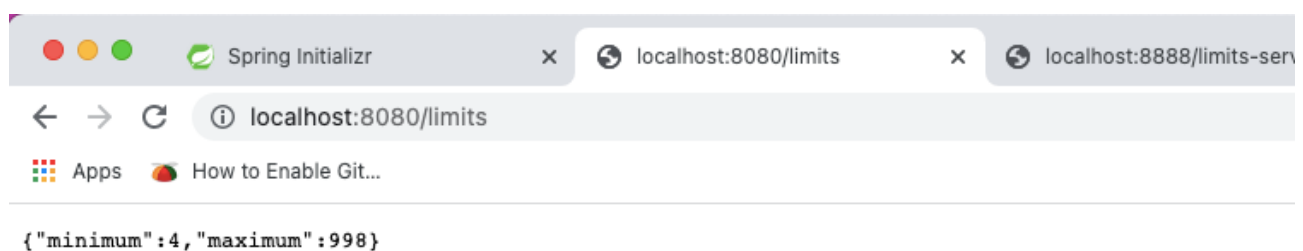


```
1 #server.port=8085
2 spring.application.name=limits-service
3 spring.config.import=optional:configserver:http://localhost:8888
4 #spring.profiles.active=dev
5 #spring.cloud.config.profile=dev
6
7 limits-service.minimum=3
8 limits-service.maximum=997
9
```

After done this.

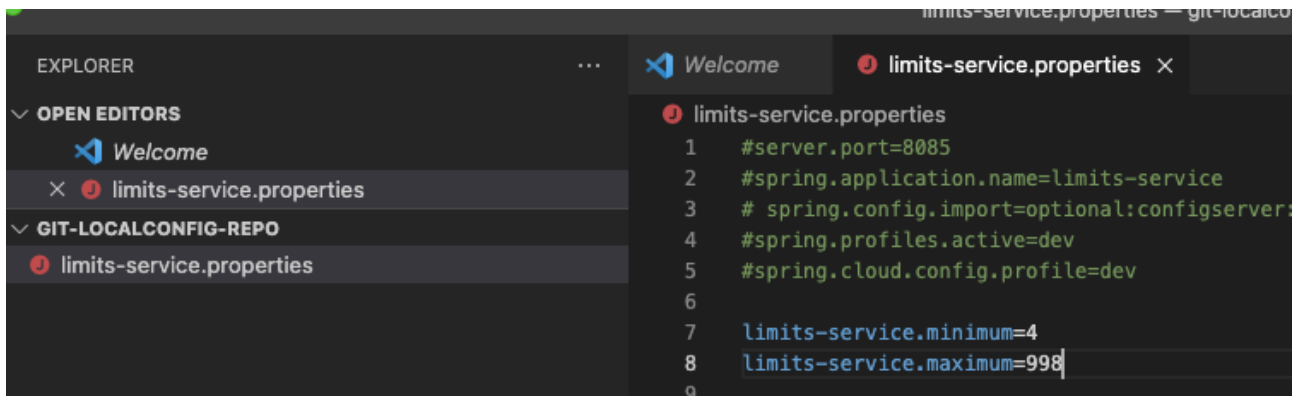
Run App and see result.

O/P:



```
{ "minimum":4, "maximum":998 }
```

Value is fetching, after connecting spring cloud config server and read from get repo file limits-service.properties.



Logs for reference

```

m.l.LimitsServiceApplication : Starting LimitsServiceApplication using Java 11.0.4 on Shanus-Air.bbrouter with PII
m.l.LimitsServiceApplication : No active profile set, falling back to default profiles: default
b.context.config.ConfigDataLoader : Fetching config from server at : http://localhost:8888
b.context.config.ConfigDataLoader : Located environment: name=limits-service, profiles=[default], label=null, version=
cloud.context.scope.GenericScope : BeanFactory id=a17ad61d-9e3e-34e3-b3db-9a8beddbc0b1
b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 8080 (http)
apache.catalina.core.StandardService : Starting service [Tomcat]
apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/9.0.54]
c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 839 ms
b.d.a.OptionalLiveReloadServer : LiveReload server is running on port 35729
b.a.e.web.EndpointLinksResolver : Exposing 1 endpoint(s) beneath base path '/actuator'
b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8080 (http) with context path ''
m.l.LimitsServiceApplication : Started LimitsServiceApplication in 1.549 seconds (JVM running for 11243.23)
c.c.C.[Tomcat].[localhost].[/] : Initializing Spring DispatcherServlet 'dispatcherServlet'
web.servlet.DispatcherServlet : Initializing Servlet 'dispatcherServlet'
web.servlet.DispatcherServlet : Completed initialization in 2 ms

```

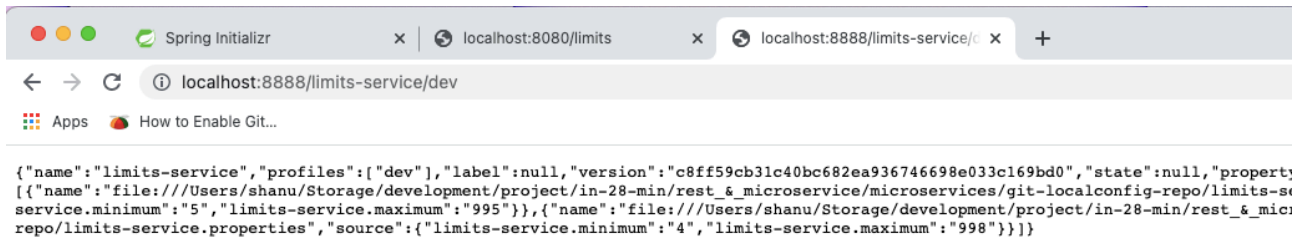
Environment based limit values.

Fetch Limit from spring cloud config server as per environment.

-created two file in git repo for dev and qa

limits-service-dev.properties

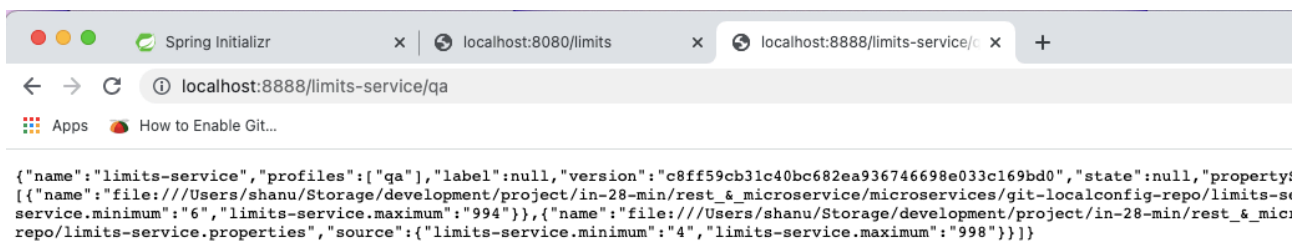
O/P:



```
{
  "name": "limits-service",
  "profiles": [
    {
      "name": "dev",
      "label": null,
      "version": "c8ff59cb31c40bc682ea936746698e033c169bd0",
      "state": null,
      "properties": [
        {
          "name": "file:///Users/shanu/Storage/development/project/in-28-min/rest_&_microservice/microservices/git-localconfig-repo/limits-service.properties",
          "source": {
            "limits-service.minimum": "4",
            "limits-service.maximum": "998"
          }
        }
      ]
    }
  ]
}
```

limits-service-qa-properties

O/P:

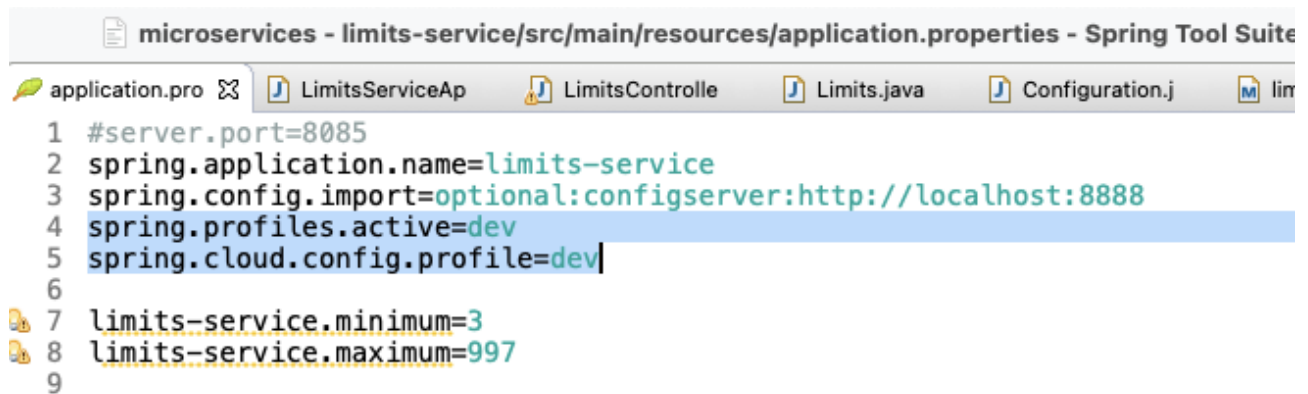


```
{
  "name": "limits-service",
  "profiles": [
    {
      "name": "qa",
      "label": null,
      "version": "c8ff59cb31c40bc682ea936746698e033c169bd0",
      "state": null,
      "properties": [
        {
          "name": "file:///Users/shanu/Storage/development/project/in-28-min/rest_&_microservice/microservices/git-localconfig-repo/limits-service.properties",
          "source": {
            "limits-service.minimum": "4",
            "limits-service.maximum": "998"
          }
        }
      ]
    }
  ]
}
```


Now make default profile to pck value always.

Add below properties in application.properties file

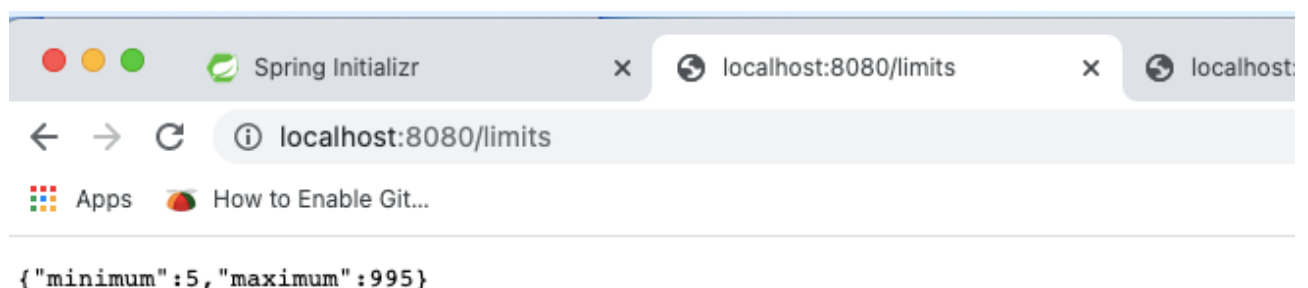
```
spring.profiles.active=dev
spring.cloud.config.profile=dev
```

A screenshot of the Spring Tool Suite IDE. The title bar shows 'microservices - limits-service/src/main/resources/application.properties - Spring Tool Suite'. The editor has several tabs: 'application.pro', 'LimitsServiceAp', 'LimitsControlle', 'Limits.java', 'Configuration.j', and 'lim'. The 'application.pro' tab is active, showing the following code:

```
1 #server.port=8085
2 spring.application.name=limits-service
3 spring.config.import=optional:configserver:http://localhost:8888
4 spring.profiles.active=dev
5 spring.cloud.config.profile=dev
6
7 limits-service.minimum=3
8 limits-service.maximum=997
9
```

Lines 4 and 5 are highlighted in blue. Lines 7 and 8 have yellow squiggly lines under the values '3' and '997' respectively.

0/p:

A screenshot of a web browser window. The title bar shows 'Spring Initializr' and two tabs for 'localhost:8080/limits'. The address bar shows 'localhost:8080/limits'. The page content displays a JSON response:

```
{ "minimum": 5, "maximum": 995 }
```

Value is picking from dev git repo file.

***** DONE *****

Check currency-exchange and Currency Conversion
Microservices for more implementation example.

