

Handling Huge Number of Request

- For handling huge number of request, we are using load-balancing using zuul proxy.
- We need to register our application instances in eureka server. Eureka server is used to enlist all services so that each service can discover other service from the list.
- We start our eureka server : <http://localhost:9090/>

Below is the screenshot for the same:

The screenshot shows the Spring Eureka server dashboard at localhost:9090. The dashboard has a dark header with the Spring Eureka logo and navigation links for HOME and LAST 1000 SINCE STARTUP. The main content area is divided into sections: System Status, DS Replicas, and General Info.

System Status

Environment	test	Current time	2021-02-26T16:55:14 +0530
Data center	default	Uptime	00:01
		Lease expiration enabled	false
		Renews threshold	1
		Renews (last min)	0

DS Replicas

Instances currently registered with Eureka

Application	AMIs	Availability Zones	Status
No instances available			

General Info

Name	Value
total-avail-memory	257mb
environment	test
num-of-cpus	4
current-memory-usage	103mb (40%)

- We register our Weather services. We are creating two application instances .
- We register our zuul load balancer proxy . This will act as API gateway. So the request will come to load balancer and it will redirect to the application instance based on the availability.

The screenshot shows the Spring Eureka server dashboard at localhost:9090. The dashboard has a dark header with the Spring Eureka logo and navigation links for HOME and LAST 1000 SINCE STARTUP. The main content area is divided into sections: System Status, DS Replicas, and General Info.

System Status

Environment	test	Current time	2021-02-26T17:08:37 +0530
Data center	default	Uptime	00:14
		Lease expiration enabled	false
		Renews threshold	6
		Renews (last min)	6

EMERGENCY! EUREKA MAY BE INCORRECTLY CLAIMING INSTANCES ARE UP WHEN THEY'RE NOT. RENEWALS ARE LESSER THAN THRESHOLD AND HENCE THE INSTANCES ARE NOT BEING EXPIRED JUST TO BE SAFE.

DS Replicas

Instances currently registered with Eureka

Application	AMIs	Availability Zones	Status
WEATHER-WS	n/a (2)	(2)	UP (2) - localhost:weather-ws:8091 , localhost:weather-ws:8090
ZUUL-WS	n/a (1)	(1)	UP (1) - localhost:zuul-ws:9092

General Info

Name	Value
total-avail-memory	257mb

- Now we call our weather service using the API gateway (zuul).

