

## Lab 3.2

Now we will introduce a second service for first ascents (Service02) where all dates are 9999

File->Open Projects from File System i.e.  
developer/Desktop/Studentwork/setup/Lab03.2/Student\_Service03

Repeat the steps you did for your Student\_Service02 project for this new Student\_Service03

Annotate the class `com.student.Service02` replace `//<TODO>` with `@EnableDiscoveryClient`

In `src/main/resources/application.yaml`

replace the `<TODO>` with;

- `spring:application:name: service03`
- `eureka:client:serviceUrl:defaultZone: http://localhost:1111/eureka/`

Launch service03 and confirm its registration with Eureka

You have FOUR Services running, THREE registered with Eureka

### Instances currently registered with Eureka

Application	AMIs	Availability Zones	Status
SERVICE01	n/a (1)	(1)	UP (1) - <code>host.docker.internal:service01:8082</code>
SERVICE02	n/a (2)	(2)	UP (2) - <code>host.docker.internal:service02:8086</code> , <code>host.docker.internal:service02:8085</code>

## Lab 3.2

Click on your service01 url

Change <http://hostname:8082/info> to <http://hostname:8082/1>

As you refresh the browser your load balanced RestTemplate in Service01 is invoking one of the two registered Service02 instances in a round robin fashion, using Ribbon. See how the ascent date changes.

```
{
  "id": 1,
  "name": "Annapurna I",
  "range": "Annapurna Himalaya",
  "country": "Nepal",
  "firstAscent": "1950"
}
```

```
{
  "id": 1,
  "name": "Annapurna I",
  "range": "Annapurna Himalaya",
  "country": "Nepal",
  "firstAscent": "9999"
}
```

## Lab 4.1

In this lab we will create an edge service using Zuul



File->Open Projects from File System i.e.  
developer/Desktop/Studentwork/setup/Lab04.1/Student\_Zuul



In class `com.student.GatewayService`



Annotate the class //<TODO> 's with;



`@EnableZuulProxy` and `@EnableDiscoveryClient`