LAB ON APPS DEVELOPMENT FOR TABLETS, SMARTPHONES AND SMARTWATCHES

GROUP 8: MONITORING DATA CENTER STATUS

DATA CENTER TOPOLOGY PROPOSAL

We target a data center which is composed of 3 racks (rack01, rack02, rack03), each rack with 10 servers (s01 to s30), and each server with a certain number of CPUs, and parameters.

Here are some examples of JSON calls than you can work with:

1. GETTING NUMBER OF RACKS

GET: http://localhost:123/racks/

Returns:

```
{
    "racks": [ "rack01", "rack02", "rack03"]
}
```

2. GETTING SERVERS IN RACKS

GET: http://localhost:123/rack01/servers

```
{
    "servers": [ "s01", "s02", "s03"]
}
```

3. GETTING CPUS IN SERVERS

GET: http://localhost:123/rack01/s01

```
{
    "cpus": [ "cpu0", "cpu1", "cpu2"]
}
```

GETTING POWER/TEMPERATURE MEASUREMENTS

GET: http://localhost:123/rack01/s01/power/last

```
{ "s01": "50"}
```

GET: http://localhost:123/rack01/s01/power/last5min

```
{ "s01": ["50", "52", "51", "60", "65"]}
```