

Cloud Computing - Exercise 1

<https://github.com/stav95/CloudComputingHW1>

Files

1. setup.sh - Probably you won't need to run it but make sure everything is installed.
2. deploy.sh - In this file, all the "magic" happens. Creating lambda API endpoint, instance, security group, and keypair (using cloud formation).
3. template.json - Just a cloud formation template.
4. trust-policy.json - Simple trust policy for creating new roles (belongs to the creation of a new lambda function).
5. testing.sh - This file contains 3 automatic tests

Steps

1. Make sure all the files above in the same directory.
2. Run setup.sh if needed.
3. Run deploy.sh.
4. Run testing.sh <public ip>.

Note

1. For data persistence we used [RavenDB](#), make sure there is a database by the name "parking".
2. We added a new feature, timestamp to the entry data to let us manipulate entry & exit time to see the charge of the parking.

Testing results

```
(root2@kali)-[~]
$ ./testing.sh 18.218.86.103
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
           %             %             Dload  Upload  Total  Spent    Left     Speed
100    26    100    26    0    0    46    0  --:--:--  --:--:--  --:--:--    46
1620205510_382_123-123-123
{"charge":"65.0$","parked_time":"402 minutes and 31 seconds","parking_lot":"382","plate":"123-123-123"}

% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
           %             %             Dload  Upload  Total  Spent    Left     Speed
100    26    100    26    0    0    55    0  --:--:--  --:--:--  --:--:--    55
1620105510_275_321-321-321
{"charge":"342.5$","parked_time":"2069 minutes and 12 seconds","parking_lot":"275","plate":"321-321-321"}

% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
           %             %             Dload  Upload  Total  Spent    Left     Speed
100    25    100    25    0    0    52    0  --:--:--  --:--:--  --:--:--    52
1620228661_66_666-666-666
{"charge":"2.5$","parked_time":"16 minutes and 42 seconds","parking_lot":"66","plate":"666-666-666"}
```