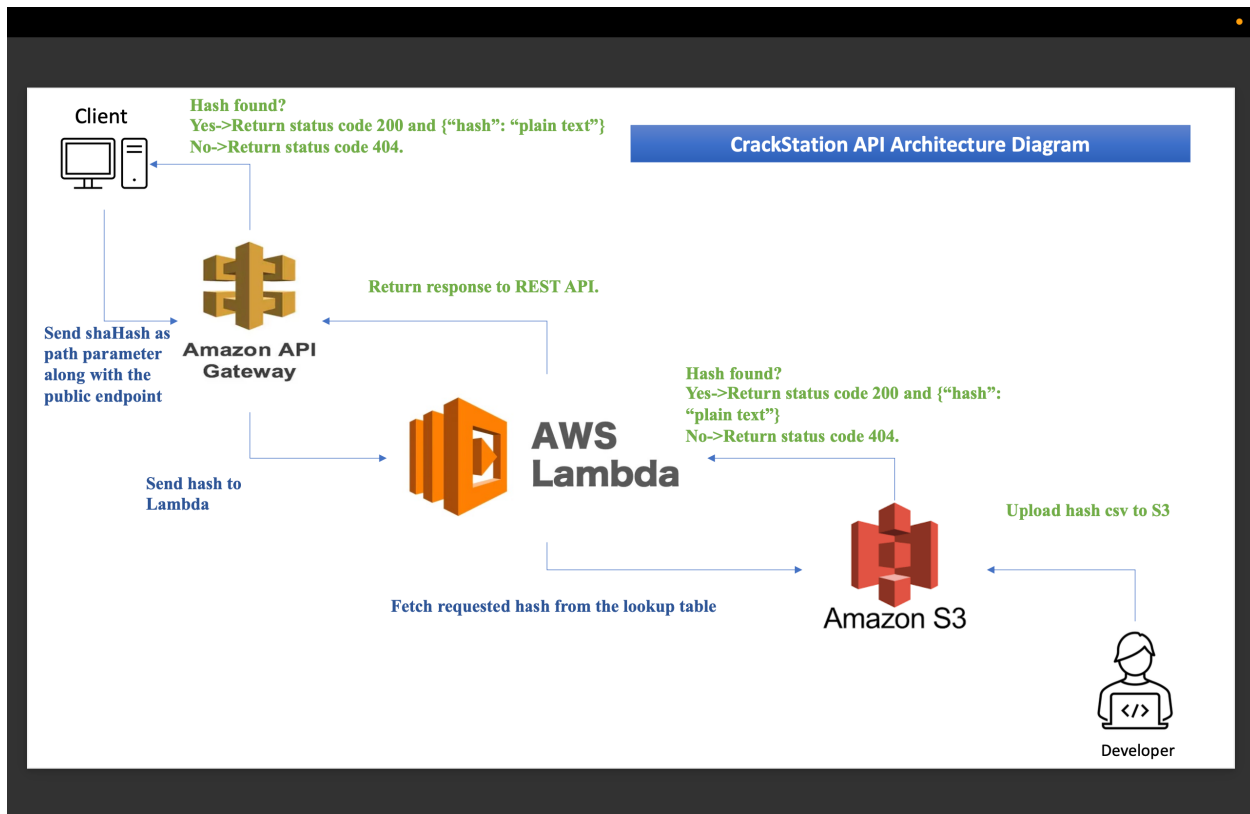CS 561

Software Engineering Methods

Week 10 Assignment

Submitted By: Aman Pandita

ONID: panditaa@oregonstate.edu

- **Link to Github Repo (Either One of the following works)**

git@github.com:AmanPandita/API_CrackStation.git

https://github.com/AmanPandita/API_CrackStation.git

- A publicly accessible link to your endpoint, it's a GET .

  https://fu1wjtj8q4.execute-api.us-east-1.amazonaws.com/production/{shaHash}

- Screenshot of the Swagger editor that shows a preview of your YAML as a pretty web page (so we can see more than just the underlying YAML).

CrackStation API

`0.1` `OAS3`

This library Cracks the unsalted hashes.

Overview

This library is capable of cracking any hash upto 3 characters in length which matches the regular expression "[A-Za-z0-9?!]{1,3}". It can also crack passwords which are encrypted using SHA-1 or SHA-256.

Mission Statement

My objective by this project was to spread awareness about how secure our passwords are and how much more secure they can be.

Servers

[https://fu1wjtj8q4.execute-api.us-east-1.amazonaws.com ▼]

---

default

GET /production/myHashFunc

Auto generated using Swagger Inspector

Parameters   [Try it out]

Name	Description
shaHash string *(query)*	*Example :* 6b86b273ff34fce19d6b804eff5a3f5747ada4eaa22f1d49c01e52ddb7875b9b

[6b86b273ff34fce19d6b804eff5a3f5747ada4e]

Responses

Code	Description	Links
200	Auto generated using Swagger Inspector	No links

Media type
[application/json ▼]   Examples [0 ▼]

Controls Accept header

Example Value | Schema

{
  "6b86b273ff34fce19d6b804eff5a3f5747ada4eaa22f1d49c01e52ddb7875b9b": "1"
}

| 404 | Auto generated using Swagger Inspector | No links |

Media type
[application/json ▼]   Examples [0 ▼]

Example Value | Schema

{
  "errorMessage": "Hash not found 404",
  "errorType": "Exception",
  "requestId": "ab11a584-f3b8-4d44-a92c-6aef0e3a4b72",
  "stackTrace": [
    " File \"/var/task/lambda_function.py\", line 31, in lambda_handler\n   raise e\n",
    " File \"/var/task/lambda_function.py\", line 26, in lambda_handler\n   raise Exception(\"Hash not found 404\")\n"
  ]
}