**API DOCUMENTATION**

1) **API Name** : Server test API

**Purpose**: To test if the flask application server is live or not.

**Request Type**: GET/POST

**Sample Request:**

curl --header "Content-Type: application/json" --request POST --data '{}' http://127.0.0.1:5000/test\_api

Sample Response:

{

"response\_message": "Server test successfull",

"status\_code": 200

}

2) **API Name** : Start Scan API

**Purpose**: Starts the Openvas scan for the given input URL.

**Request Type**: GET/POST

**Input:** IP address of the host to be scanned.

**Output**: report id, status code, task id

**Sample Request:**

curl --header "Content-Type: application/json" --request POST --data '{}' http://127.0.0.1:5000/start\_scan?ipaddress=www.google.com

**Sample Response:**

{

"report\_id":"e7187a6a-c2b3-4b75-8dbf-a4a95b1d63b0",

"status\_code":200,"target\_id":"a6b92f66-8fe7-47a4-9655-39a3b7c867cd",

"task\_id":"da9d603f-f0b4-47a5-ac3b-0e5d97c171af"

}

3)**API Name** : Get scan status API

**Purpose:** Gives the scan progress for a given URL for which Openvas scan has been started.

**Request Type**: GET/POST

**Input:**  task id of the scan which was initiated for the host.

**Output**: progress( -1 if the scan is complete, else scan percentage), status, status\_code

**Sample Request**:

curl --header "Content-Type: application/json" --request POST http://127.0.0.1:5000/get\_scan\_status?task\_id=87c69e1d-8ec1-4fdb-8998-1f43cabffd05

**Sample Response**( if the scan is complete):

{

"progress":"-1",

"status":"Done",

"status\_code":200

}

**Sample Response**( if the scan is running):

{"progress":"0","status":"Requested","status\_code":200}

{"progress":"0","status":"Queued","status\_code":200}

{"progress":"0","status":"Running","status\_code":200}

{"progress":"96","status":"Running","status\_code":200}

4) **API Name** : Get report

**Purpose:** Fetches the result of the ovpenvas scan for a given ID.

**Request Type**: GET/POST

**Input:**  Report ID received when the scan was initiated for the host.

**Output**: A list of dictionary having scan result for each IP in the given host.

**Sample Request:**

curl --header "Content-Type: application/json" --request POST --data '{}' http://127.0.0.1:5000/generate\_report?report\_id=72d6969c-0bad-44e0-9b29-291cb3dfd263

**Sample Response:**

[{"false\_positive":"0","high":"0","ip":"142.250.194.68","log":"10","low":"0","medium":"0","port\_count":"2"}]

5) **API Name** : Check opnevas authetication

**Purpose:** Checks if the credentials saved in the server are able to authenticate the openvas service. If the authentication fails then all the APIs will fail. It needs to be checked before triggering any session.

**Request Type**: GET/POST

**Input:**  No input

**Output**: Status of the authentication. 200 response from the key auth\_status indicates successful validation of the credentials saved on the server. Key auth\_status\_text returns text from the openvas auth API. Key status\_code indicates status of the API call.

**Sample Request:**

curl --header "Content-Type: application/json" --request POST --data '{}' http://127.0.0.1:5000/check\_auth

**Sample Response:**

{"auth\_status":"200","auth\_status\_text":"OK","status\_code":200}