About Scout Suite

Scout Suite is an open source multi-cloud security-auditing tool, which enables security posture assessment of cloud environments. Using the APIs exposed by cloud providers, Scout Suite gathers configuration data for manual inspection and highlights risk areas. Rather than going through dozens of pages on the web consoles, Scout Suite presents a clear view of the attack surface automatically.

Scout Suite was designed by security consultants/auditors. It is meant to provide a point-in-time security-oriented view of the cloud account it was run in. Once the data has been gathered, all usage may be performed offline.

Usage

Start up the ScoutSuite container:

```
root@ip-10-0-1-114:~# cd /shared/

root@ip-10-0-1-114:/shared# mkdir -p /shared/scoutsuite-report

root@ip-10-0-1-114:/shared# cnoio_scoutsuite

...

(scoutsuite) root@6888ac22c10d:~#
```

Run the audit and vulnerability scan via the service account credentials:

```
(scoutsuite) root@6888ac22c10d:~# scout gcp -s /shared/gcploit/key.json --all-projects

2021-07-27 03:47:55 6888ac22c10d scout[12] INFO Launching Scout
2021-07-27 03:47:55 6888ac22c10d scout[12] INFO Authenticating to cloud provider
2021-07-27 03:47:58 6888ac22c10d scout[12] INFO Gathering data from APIs

...

2021-07-27 03:48:51 6888ac22c10d scout[12] INFO Saving data to scoutsuite-report/scoutsuite-results/scoutsuite_results_gcp-test002@gcptrainingggce001.iam.gserviceaccount.com.js
2021-07-27 03:48:51 6888ac22c10d scout[12] INFO Saving data to scoutsuite-report/scoutsuite-results/scoutsuite_exceptions_gcp-test002@gcptrainingggce001.iam.gserviceaccount.com.js
2021-07-27 03:48:51 6888ac22c10d scout[12] INFO Saving data to scoutsuite-report/scoutsuite-results/scoutsuite_errors_gcp-test002@gcptrainingggce001.iam.gserviceaccount.com.json
2021-07-27 03:48:51 6888ac22c10d scout[12] INFO Creating scoutsuite-report/gcp-test002@gcptrainingggce001.iam.gserviceaccount.com.html
2021-07-27 03:48:51 6888ac22c10d scout[12] INFO Opening the HTML report

...
```

Now exit out of ScoutSuite...

```
...

(scoutsuite) root@6888ac22c10d:~# exit

...

root@ip-10-0-1-114:/shared#
```

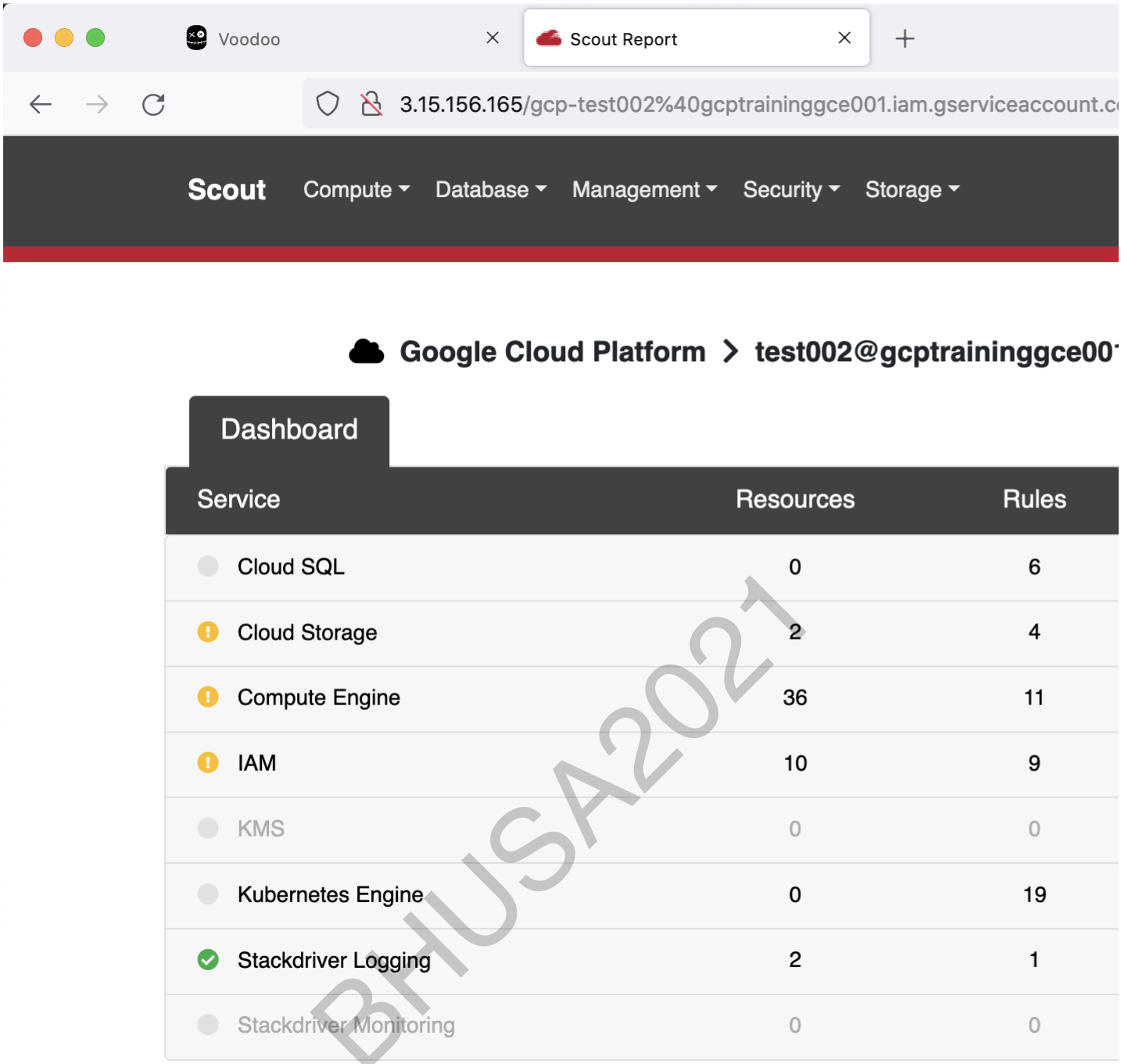
And host the files via the python SimpleHTTPServer...

```
root@ip-10-0-1-114:/shared# cd /shared/scoutsuite-report

root@ip-10-0-1-114:/shared/scoutsuite-report# curl ipcurl.net/n
3.15.156.165

root@ip-10-0-1-114:/shared/scoutsuite-report# python -m SimpleHTTPServer 80
Serving HTTP on 0.0.0.0 port 80 ...
```

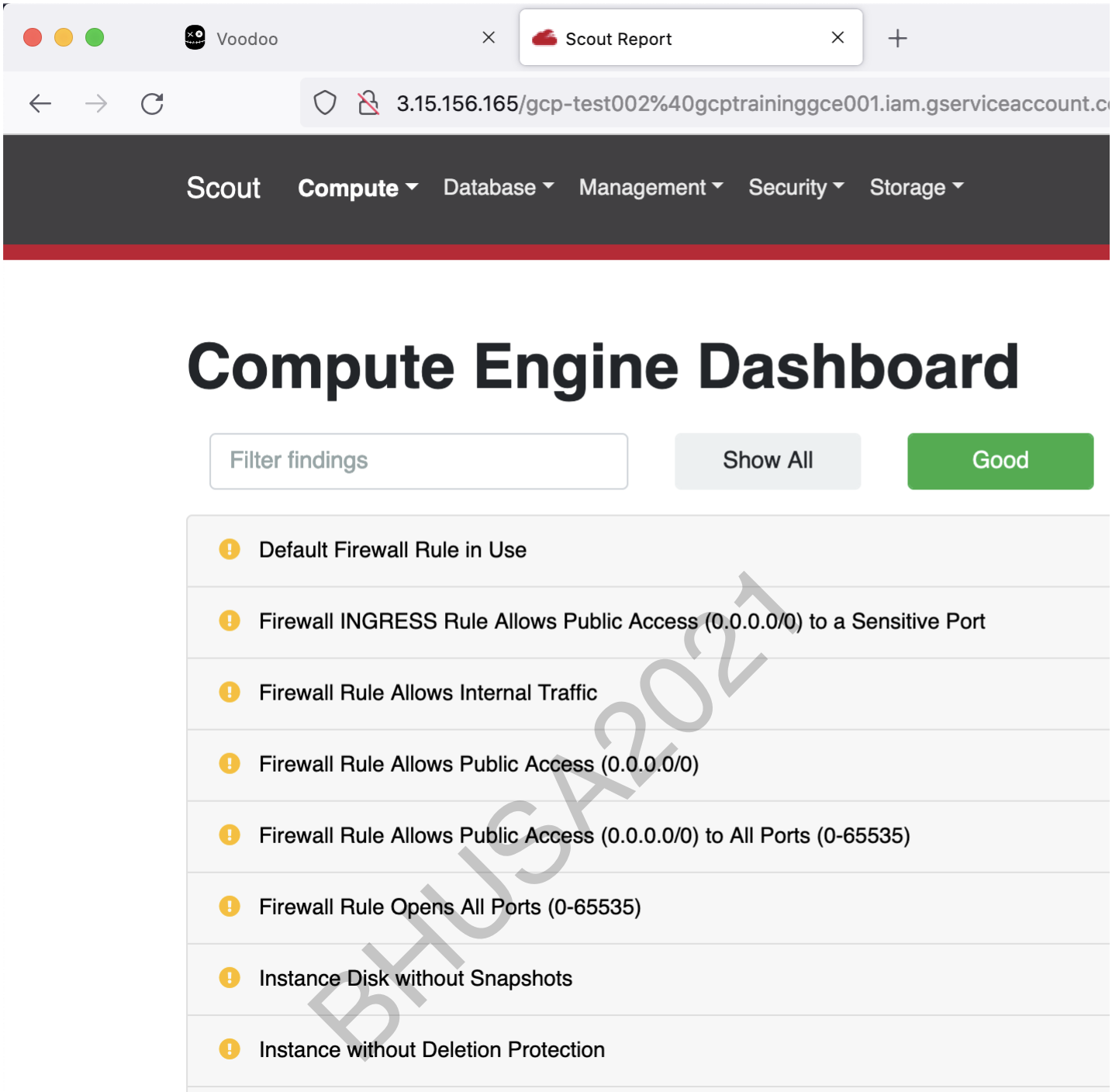
And browse to the server...

```
http://ip.ip.ip.ip:80
```

And then click on the HTML result file (e.g. gcp-test002@gcptrainingggce001.iam.gserviceaccount.com.html):



We can now view these findings via this web interface...



Above & Beyond!

- Try ScoutSuite on the AWS environment
- Try ScoutSuite on the Azure environment

References:

- ScoutSuite - https://github.com/nccgroup/ScoutSuite