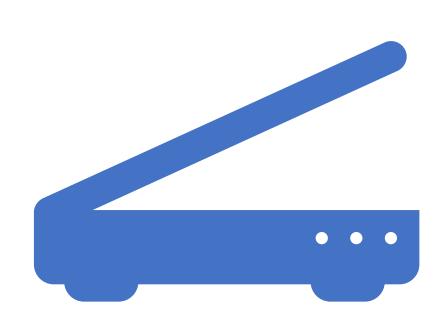


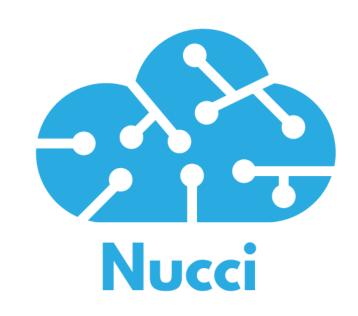
Smaran Chand

- Application Security Enthusiast
- Sr. Penetration Tester at Eminence Ways
- One of the OWASP Kathmandu Leader
- Synack Red Teamer, Occasional Bug Bounty hunter
- Microsoft Azure/AWS certified Cloud Security Engineer
- Currently Researching Google Cloud Platform and MMM
- Noob Programmer
- Problem Solver, Unicorn
- https://smaranchand.com.np
- https://twitter.com/@smaranchand

How many of you use Nuclei scanner tool?

```
smaranchand@Smarans-MacBook-Air ~ % nuclei
                projectdiscovery.io
[INF] Using Nuclei Engine 2.8.6 (latest)
[INF] Using Nuclei Templates 9.3.4 (latest)
[INF] Templates added in last update: 15
[INF] Templates loaded for scan: 4782
    No results found. Better luck next time!
```





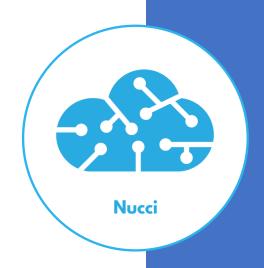
New bird in town?



Save your Nuclei scan results to cloud.

Nucci

- Just another tool that saves your Nuclei scan results in a cloud database.
- Takes input using stdin, sanitize and save in a Mongo DB.
- Python Flask app to view and create a basic PDF report.
- Does nothing much $^- \setminus (^{\vee})_{-}/^-$ but helps sometimes.



echo "http://localhost"|nuclei -t ~/nuclei-templates -o results.txt

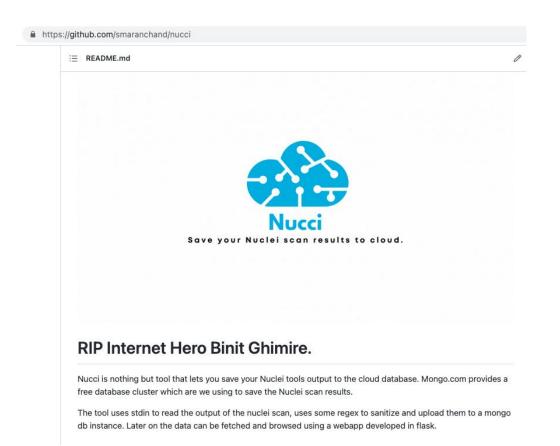
Why Nucci when we can use —o results.txt? Or default report generator.

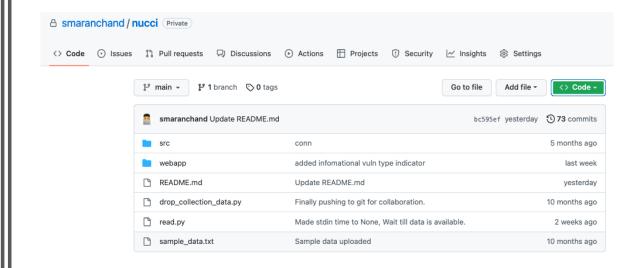


Because

- Retrieve the scan results when required remotely.
- Bugbounty collaboration/Group Pentesting.
- Run scan in cloud, Get results in local dashboard.
- Better view, search filters.
- Save few miliseconds by using | nucci instead of –o results.txt

Nucci





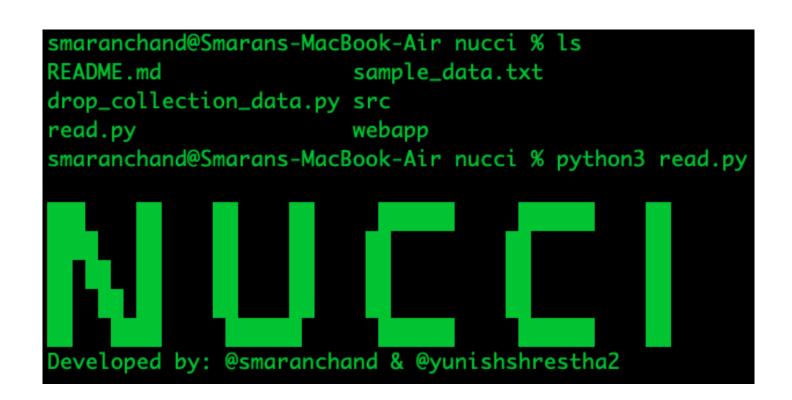
git clone https://github.com/smaranchand/nucci.git

```
smaranchand@Smarans-MacBook-Air tmp % git clone https://github.com/smaranchand/nucci.git
Cloning into 'nucci'...
remote: Enumerating objects: 371, done.
remote: Counting objects: 100% (67/67), done.
remote: Compressing objects: 100% (56/56), done.
remote: Total 371 (delta 32), reused 28 (delta 10), pack-reused 304
Receiving objects: 100% (371/371), 4.84 MiB | 401.00 KiB/s, done.
Resolving deltas: 100% (151/151), done.
```

pip install –r requirements.txt

```
smaranchand@Smarans-MacBook-Air nucci % cat requirements.txt
dnspython==2.2.1
pymongo==4.3.3
PyYAML==6.0
smaranchand@Smarans-MacBook-Air nucci % pip install -r requirements.txt
```

Python3 read.py



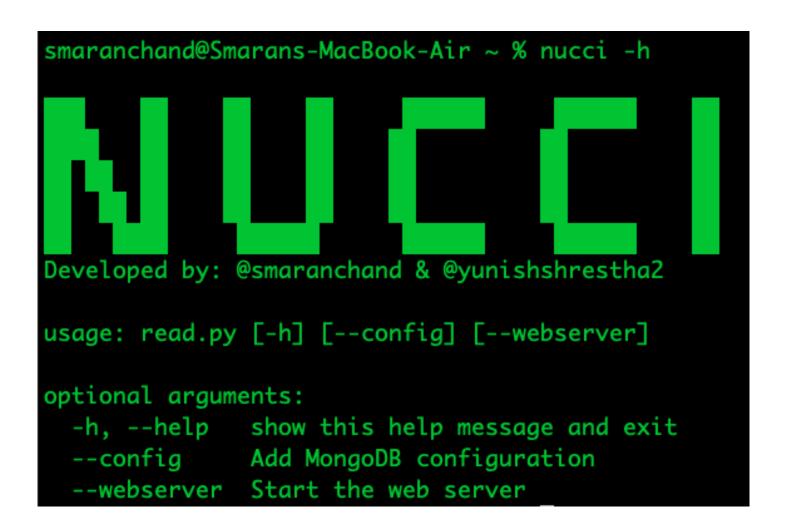
Set an alias

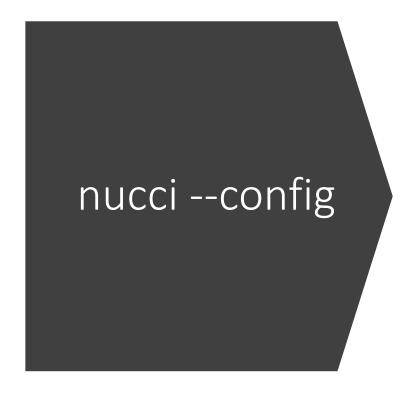


```
smaranchand@Smarans-MacBook-Air ~ % cat .zshrc
export GOPATH=$HOME/go
export GOROOT=/usr/local/opt/go/libexec
export PATH=$PATH:$GOPATH/bin
export PATH=$PATH:$GOROOT/bin
alias nucci="python /Users/smaranchand/Documents/Projects/nucci/read.py"
```



nucci -h

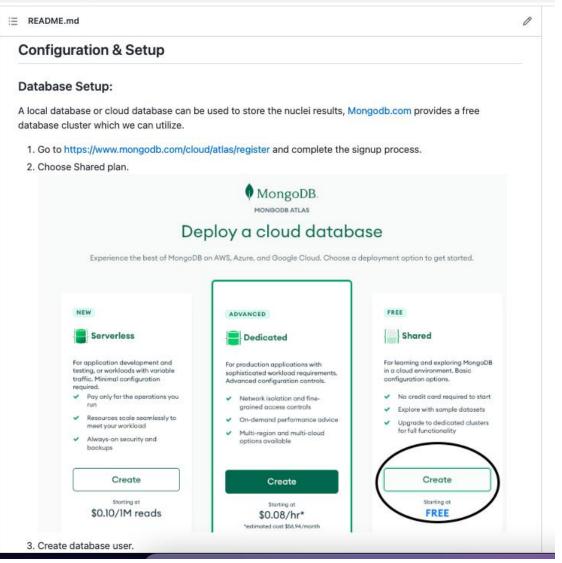






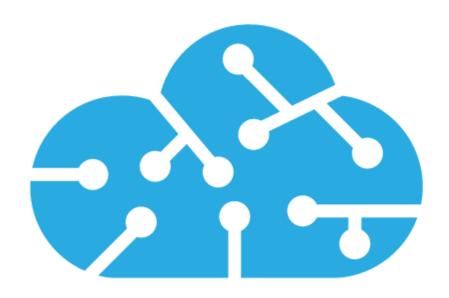
Get a free Mongo DB cluster from mongodb.com

https://github.com/smaranchand/nucci



Nucci in action

subfinder -d smaranchand.com.np|httpx|nuclei -t ~/nuclei-templates|nucci



Nucci

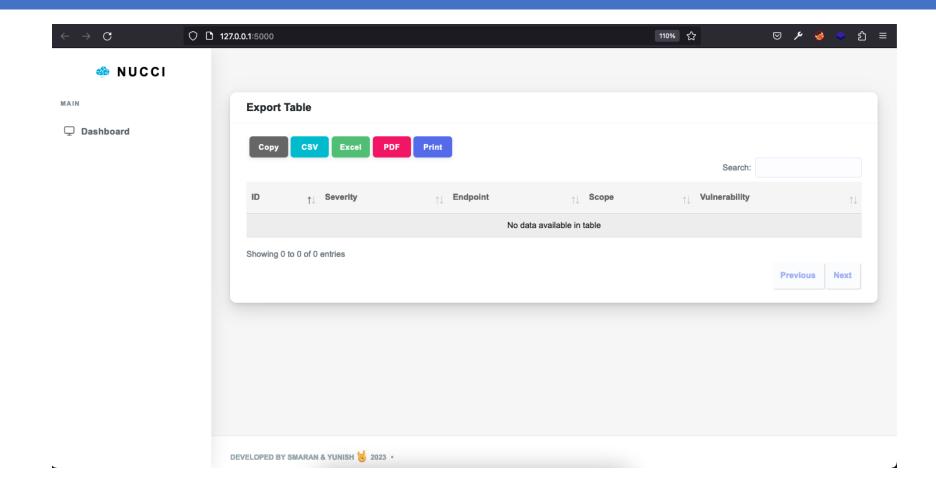
Also simply

```
smaranchand@Smarans-MacBook-Air nucci % cat sample_data.txt
[2021-05-27 10:03:01] [open-redirect] [http] [low] https://edu.kickex.com//example.com/%2F..
smaranchand@Smarans-MacBook-Air nucci % cat sample_data.txt|nucci
Developed by: @smaranchand & @yunishshrestha2
[+] Results migrated to database.[+]
```

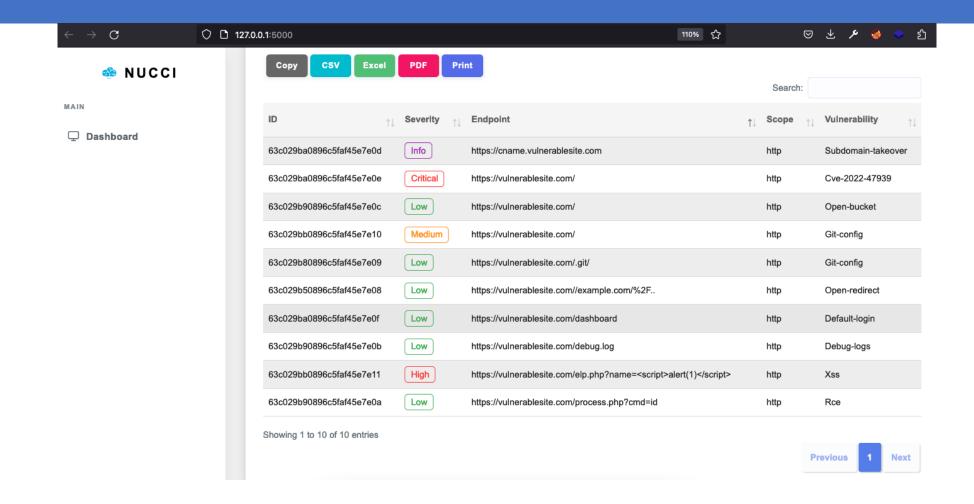
View Nucci dashboard

```
smaranchand@Smarans-MacBook-Air ~ % nucci --webserver
Developed by: @smaranchand & @yunishshrestha2
 * Serving Flask app 'webapp' (lazy loading)
 * Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
 * Debug mode: off
 * Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
```

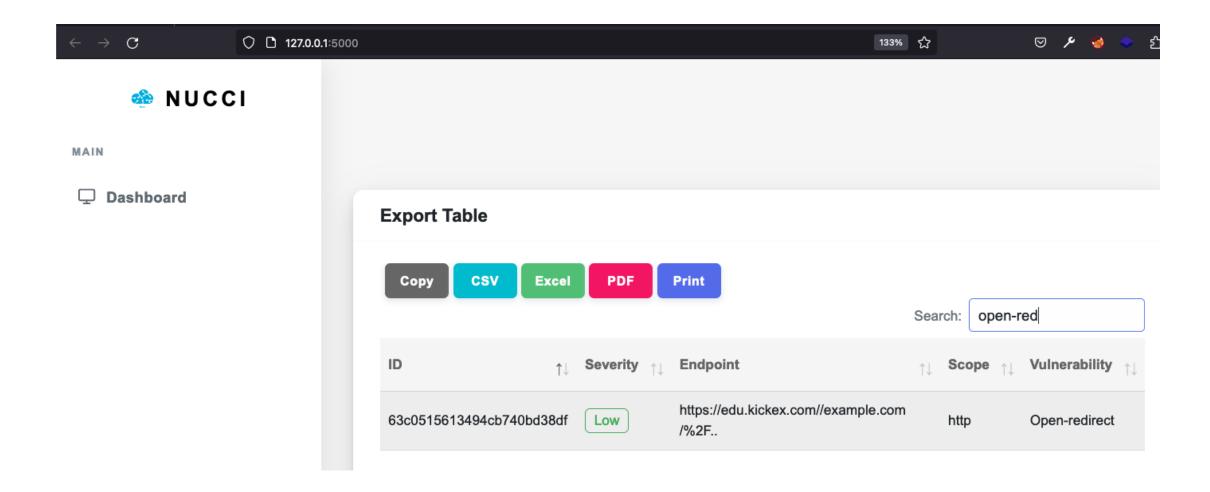
Nucci Dashboard



Nucci Dashboard with Nuclei Scan results



Search Filter



```
config_data = read_config_file()
60
             myclient = pymongo.MongoClient(config_data['Config']['MONGO_URI'])
61
            mydb = myclient[config_data['Config']['DATABASE_NAME']]
62
            mycol = mydb["nuclei_results"]
63
             rawdata = sys.stdin.read()
64
             regexmatch = re.compile(r'\x1b[^m]*m')
65
             results = regexmatch.sub('', rawdata)
66
             new = (results.translate(results.maketrans({'[': '', ']': ''})))
67
             for data in new.splitlines():
68
                     arr = data.split()
69
                     date, time, vulnerability, scope, severity, endpoint = " ".join(arr[:6]).split()
70
71
                     data = {"date": "{}".format(date), "time": "{}".format(time), "vulnerability": "
     {}".format(vulnerability), "scope": "{}".format(scope), "severity": "{}".format(severity), "endpoint": "
     {}".format(endpoint)}
```

Piece of Code

Piece of Code

```
https://github.com/smaranchand/nucci/blob/main/read.py
19
    dir_path = os.path.expanduser('~/.nucci')
20
    if not os.path.exists(dir_path):
21
         os.makedirs(dir_path)
    file_path = os.path.join(dir_path, 'config.yaml')
23
    if not os.path.exists(file_path):
24
         with open(file path, 'a') as f:
25
             pass
    def read_config_file():
26
27
         try:
             with open(file_path, "r") as yamlfile:
28
29
                 config_data = yaml.load(yamlfile, Loader=yaml.FullLoader)
             myclient = pymongo.MongoClient(config_data['Config']['MONGO_URI'])
30
31
             return config_data
32
         except Exception as e:
33
             return (e)
34
    def write_config_file(data):
35
         try:
             with open(file_path, 'w') as yamlfile:
36
                 data1 = yaml.dump(data, yamlfile)
37
                 print("Configuration saved successfully")
38
39
         except Exception as e:
             print(f"An error occurred while saving the configuration: {e}")
40
```

Next?

- Fully Automate Vulnerability Report Generation.
- Create a Pypi package for easy install.
- CVSSv3.1 integration, references from Hackerone hacktivity, disclosed bugbounty reports etc.
- Work on UI/UX.
- Add authentication in dashboard and some security features.
- Expecting Pull Requests from public.

• • • • • • • • •

Questions?

Thanks and Shoutouts

- Yunish Shrestha
- Kailash Bohara (@corrupted_brain)
- Ankit Pandey (4_N_K_1_T)
- Rohitash Kumar (Rooks)

