Cloud Security Suite

One stop tool for AWS/GCP/Azure security audit

https://github.com/SecurityFTW/cs-suite

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whoami

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- Active Member of Null Bangalore Chapter
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Why AWS/GCP/Azure Audit?

- Misconfigured Access (IAM, root, policy/Service Accounts)
- Vulnerable services in use
- Public Access (Ports)
- Exposed Data (S3/Cloud Storage/Blobs)
- And many more..

How ?

- Third Party Audit
  - You get a third party to do your dirty work
  - Lot of money involved
  - Giving access to the infrastructure

How…

- Open Source tools
  - Scout2
  - Prowler
  - Lunar
  - G-Scout
  - Azucar
  - Local Auditing tools
  - Other scripts on Github and Bitbucket

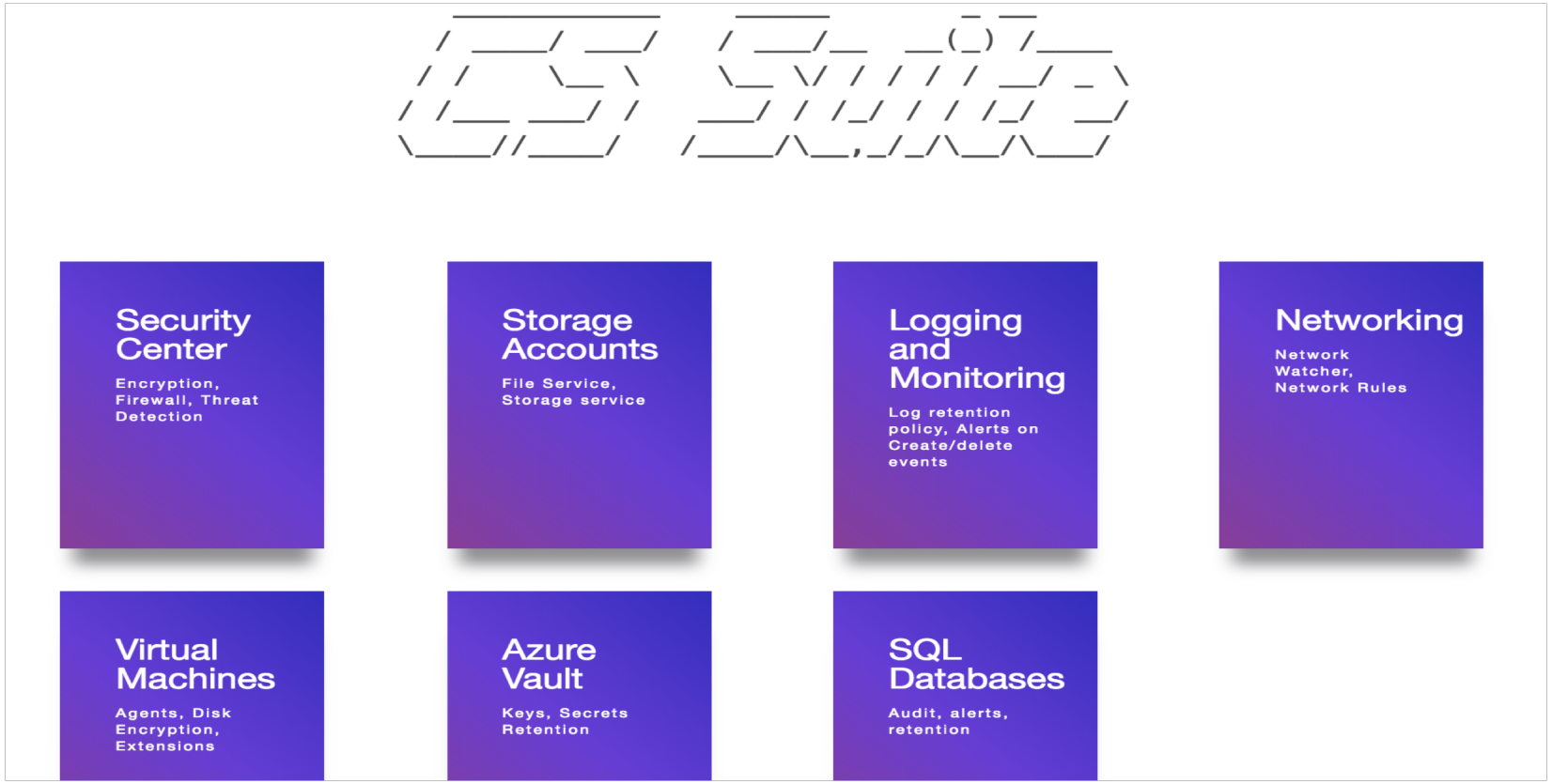
Cloud Security Suite

- Takes the “open source setup” pain away from you
- Compiles all the Audit checks
- Custom Audit checks
- Runs all in one go
- Centralized Portable Reports
- Audits the Servers Instances
- GCP Audit Capabilities
- Integration of AWS Trusted Advisor
- JSON Output (Have fun!)

Introducing Azure Support in CS-Suite

Cloud Security Suite(Azure)

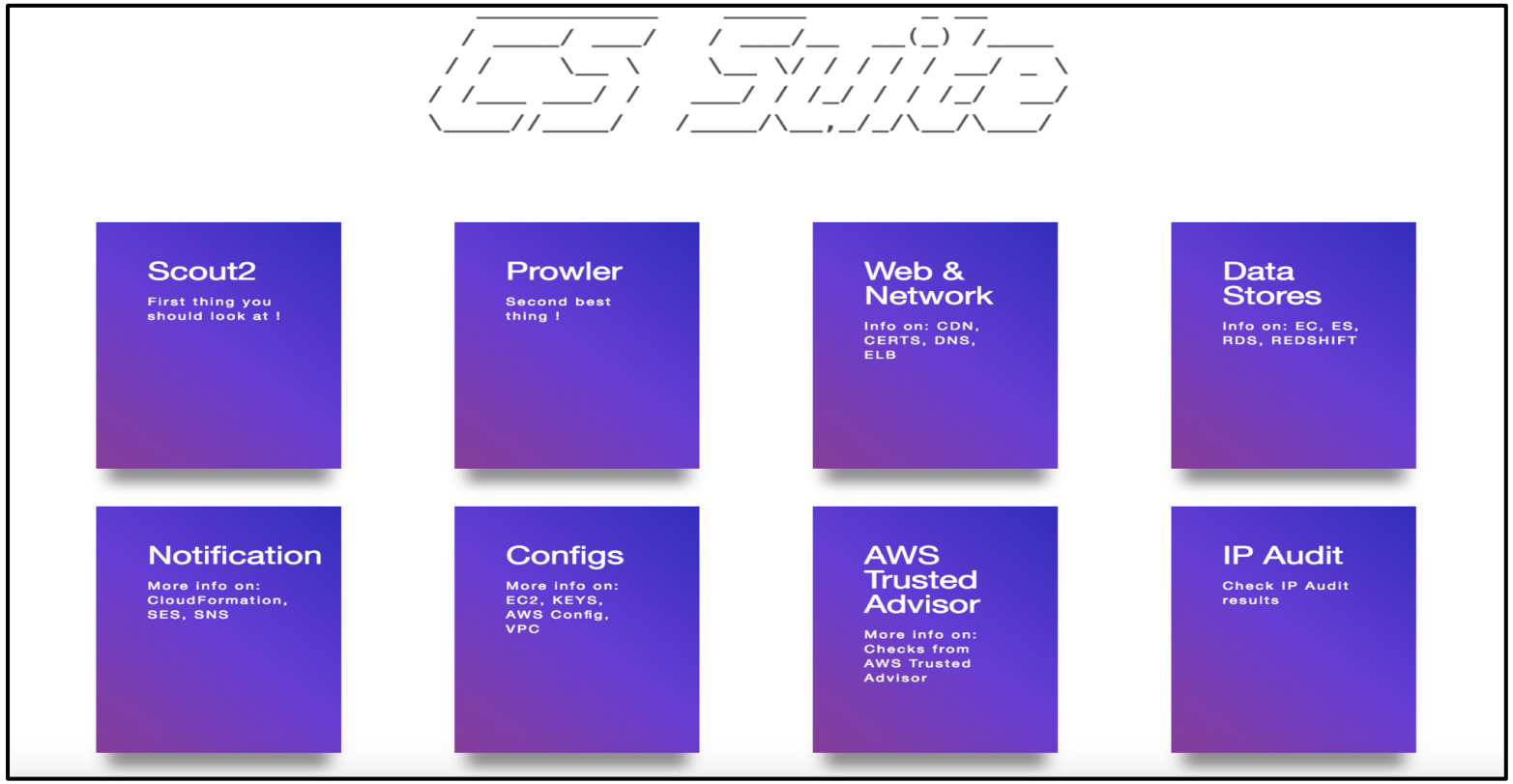
```
$ git clone https://github.com/SecurityFTW/cs-suite.git
$ cd cs-suite/
$ sudo python setup.py
$
$ python cs.py -env azure
```



Demo – Azure Audit

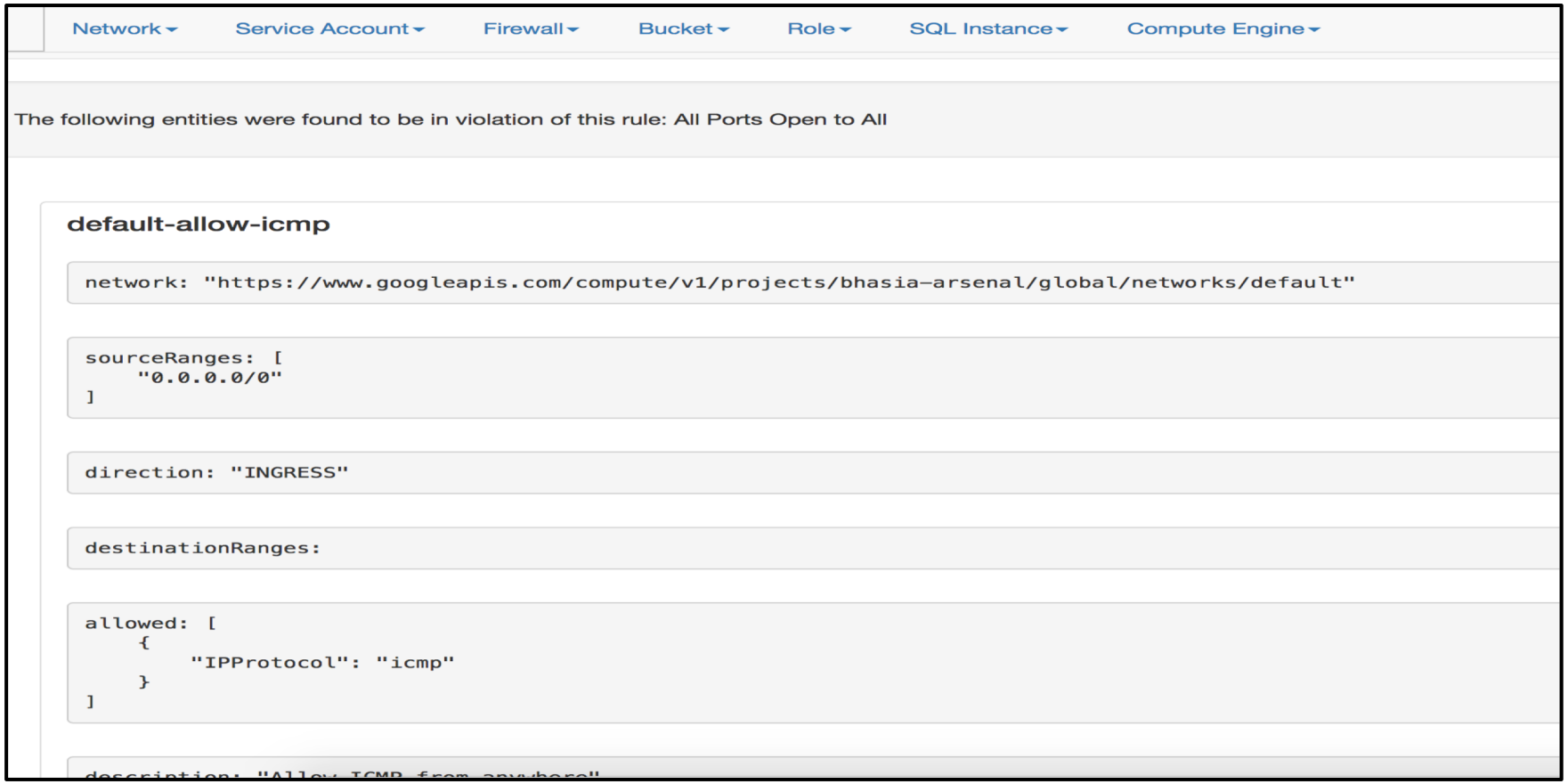
Cloud Security Suite(AWS)

```
$ git clone https://github.com/SecurityFTW/cs-suite.git
$ cd cs-suite/
$ sudo python setup.py
$
$ python cs.py -env aws
```



Cloud Security Suite(GCP)

```
$ git clone https://github.com/SecurityFTW/cs-suite.git
$ cd cs-suite/
$ sudo python setup.py
$
$ python cs.py -env gcp -pId bhasia-arsenal
```



Demo – AWS Audit

JSON


```
{
    "account": "<ID>",
    "check_no": "<check_type>",
    "aws-cli_profile": "default",
    "region": "us-east-1",
    "level": "null",
    "value": "Cloudfront <ID> is not WAF integration enabled"
    "score": "Scored",
    "type": "WARNING",
    "check": "CDN_AUDIT"
}
```


Path - cs-suite/reports/AWS/aws_audit/<account_name>/<time_stamp>/final_report/final_json

Server Audit

- IP based auditing – Public and Private
- Runs the audit on the remote machine
- Report copied back to main machine
- Portable HTML report
- Region independent Audit, in case of public IP Address

Demo – Server Audit (Linux)

Demo – Server Audit (Windows)

References

- https://github.com/nccgroup/Scout2
- https://github.com/Alfresco/prowler
- https://aws.amazon.com/security/
- https://github.com/nccgroup/G-Scout/
- https://github.com/CISOfy/lynis
- https://github.com/alanrenouf/Windows-Workstation-and-Server-Audit

Feedback / Suggestions / Queries ?

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