

CLOUD AND NETWORK SECURITY

CS-CNS04-23040

END EXAM

27/01/24

AWS

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Answer the questions below while providing screenshots.

AWS Bucket: greencorp

AWS bucket link syntax: s3://bucket_name

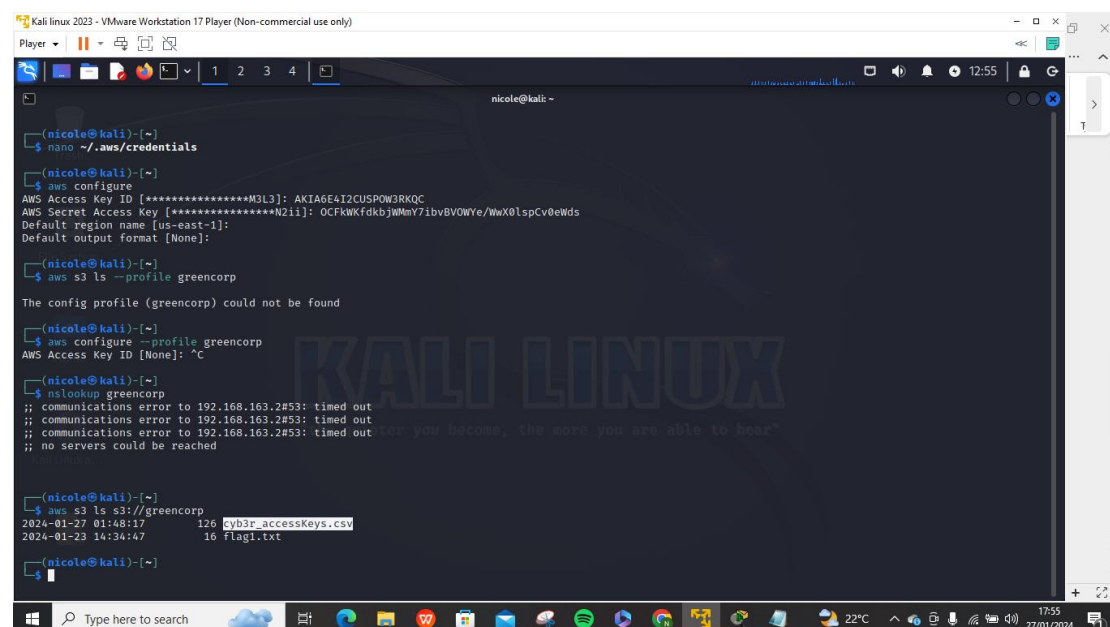
Download file to local machine:

aws s3 --profile your_profile cp s3://bucket_name/file.extension.

Answer the questions below and include them in your report:

Which file contains the AWS keys? (format: filename.extension) (4mks)

cyb3r_accessKeys.csv



```
(nicole@kali)-[~]
└─$ nano ~/.aws/credentials
└─$ aws configure
AWS Access Key ID [*****M3L3]: AKIA6E4T2CUSPOW3RKQC
AWS Secret Access Key [*****N2i1]: OCFKWKfdbjWmY7ibvBVOWYe/WwX0LspCv0eWds
Default region name [us-east-1]:
Default output format [None]:

(nicole@kali)-[~]
└─$ aws s3 ls --profile greencorp

The config profile (greencorp) could not be found

(nicole@kali)-[~]
└─$ aws configure --profile greencorp
AWS Access Key ID [None]: ^C

(nicole@kali)-[~]
└─$ nslookup greencorp
;; communications error to 192.168.163.2#53: timed out
;; communications error to 192.168.163.2#53: timed out
;; communications error to 192.168.163.2#53: timed out
;; no servers could be reached

(nicole@kali)-[~]
└─$ aws s3 ls s3://greencorp
2024-01-27 01:48:17      126 cyb3r_accessKeys.csv
2024-01-23 14:34:47       16 flag1.txt

(nicole@kali)-[~]
└─$
```

What is the secret key and access key (format: secret_key, access_key) (4mks)

Access key ID, Secret access key

**AKIA6JMPPEFWXTNOKMTB,s+beNLWSdmznaUtF2vJG+M7P9
k7St2/WAC5zgyoi**

```
Kali linux 2023 - VMware Workstation 17 Player (Non-commercial use only)
Player
nicole@kali: ~
$ nslookup greencorp
;; communications error to 192.168.163.2#53: timed out
;; communications error to 192.168.163.2#53: timed out
;; communications error to 192.168.163.2#53: timed out
;; no servers could be reached

[nicole@kali]~$ aws s3 ls s3://greencorp
2024-01-27 01:48:17      126 cyb3r_accessKeys.csv
2024-01-23 14:34:47       16 flag1.txt

[nicole@kali]~$ aws s3 sync s3://greencorp/ . --no-sign-request
warning: Skipping file /home/nicole/.mozilla/firefox/47sfx2g0.default-esr/lock. File does not exist.
download: s3://greencorp/flag1.txt to ./flag1.txt
download: s3://greencorp/cyb3r_accessKeys.csv to ./cyb3r_accessKeys.csv

[nicole@kali]~$ ls
COMMIT_EDITMSG  Downloads  Pictures  Videos  aws  cyb3r_accessKeys.csv  flag1.txt  hint3.html  index  logs  robots.txt
Desktop        HEAD      Public    access_keys.txt  awscli.v2.zip  description  hint1.html  hint4.html  info  objects
Documents      Music     Templates authenticated_users.png  config      download.php  hint2.html  hooks      refs

[nicole@kali]~$ cat cyb3r_accessKeys.csv
Access key ID,Secret access key
AKIA6JMPPEFWXTNOKMTB,s+beNLWsdmznaUtF2vJG+M7P9k7St2/WAC5zgyoi
bucket name: bluecorp,

[nicole@kali]~$
```

What is the bucket name provided? (4mks)

bucket name: bluecorp,

```
Kali linux 2023 - VMware Workstation 17 Player (Non-commercial use only)
Player
nicole@kali: ~
$ nslookup greencorp
;; communications error to 192.168.163.2#53: timed out
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warning: Skipping file /home/nicole/.mozilla/firefox/47sfx2g0.default-esr/lock. File does not exist.
download: s3://greencorp/flag1.txt to ./flag1.txt
download: s3://greencorp/cyb3r_accessKeys.csv to ./cyb3r_accessKeys.csv

[nicole@kali]~$ ls
COMMIT_EDITMSG  Downloads  Pictures  Videos  aws  cyb3r_accessKeys.csv  flag1.txt  hint3.html  index  logs  robots.txt
Desktop        HEAD      Public    access_keys.txt  awscli.v2.zip  description  hint1.html  hint4.html  info  objects
Documents      Music     Templates authenticated_users.png  config      download.php  hint2.html  hooks      refs

[nicole@kali]~$ cat cyb3r_accessKeys.csv
Access key ID,Secret access key
AKIA6JMPPEFWXTNOKMTB,s+beNLWsdmznaUtF2vJG+M7P9k7St2/WAC5zgyoi
bucket name: bluecorp,

[nicole@kali]~$
```

What is the flag contained in the first bucket? (4mks)

CI0s3y0ur3y3z!@^

```
Kali linux 2023 - VMware Workstation 17 Player (Non-commercial use only)
Player
nicole@kali: ~
;; communications error to 192.168.163.2#53: timed out
;; communications error to 192.168.163.2#53: timed out
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download: s3://greencorp/flag1.txt to ./flag1.txt
download: s3://greencorp/cyb3r_accessKeys.csv to ./cyb3r_accessKeys.csv

(nicole@kali)~$ ls
COMMIT_EDITMSG  Downloads  Pictures  Videos  access_keys.txt  aws  cyb3r_accessKeys.csv  flag1.txt  hint3.html  index  logs  robots.txt
Desktop         HEAD      Public    Templates  authenticated_users.png  awscliiv2.zip  config  description  download.php  hint1.html  hint2.html  hooks  info  objects  refs
Documents       Music     Templates

(nicole@kali)~$ cat cyb3r_accessKeys.csv
"the quieter you become, the more you are able to hear"
Access key ID,Secret access key
AKIA6JMPPEFWXTNOKMTB,+beNLWSdmznaUtF2vJG+M7P9k7St2/WAC5zgyoi
bucket name: bluecorp,

(nicole@kali)~$ cat flag1.txt
c10s3y0ur3y3z10*
```

What is the flag contained in the second bucket? (4mks)