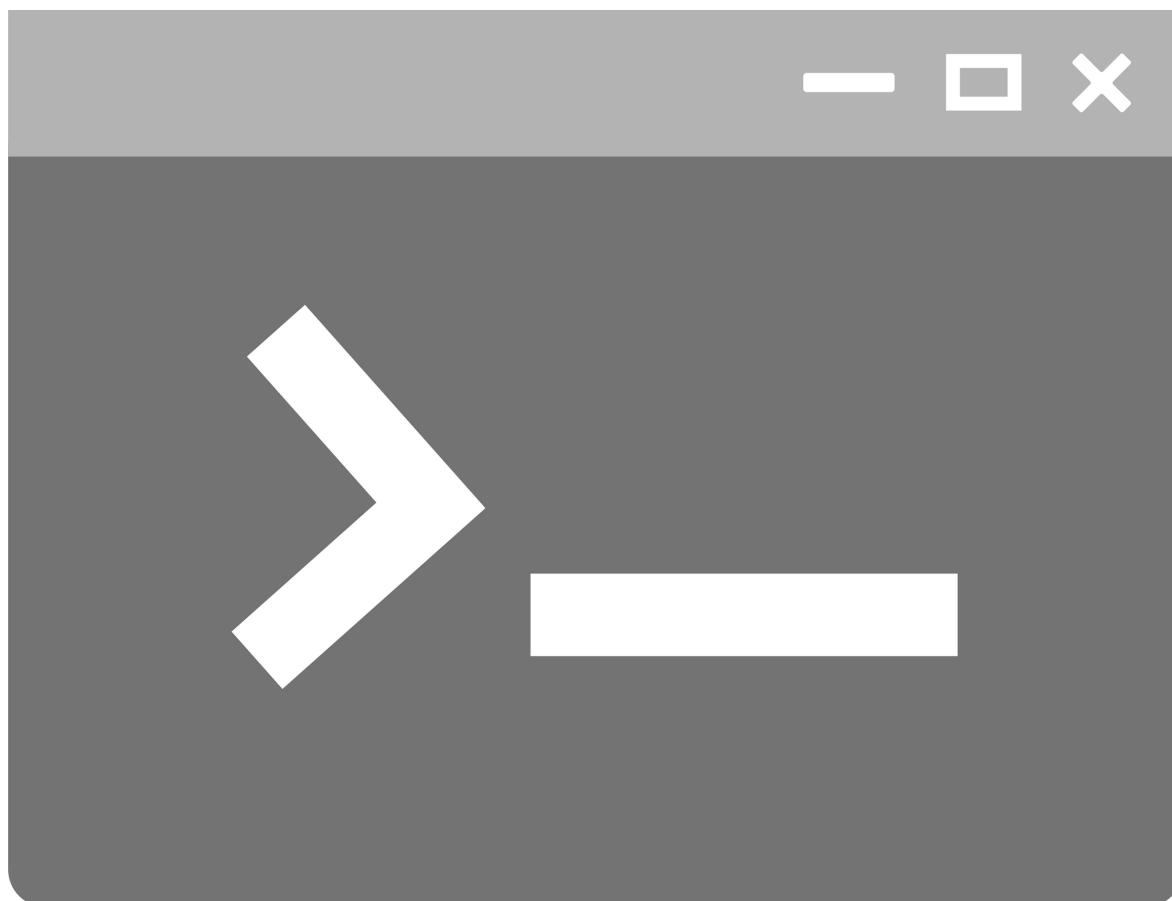


39°

Lab - AWS re/Start

**Instalar y Configurar la
AWS CLI**



Tarea 01

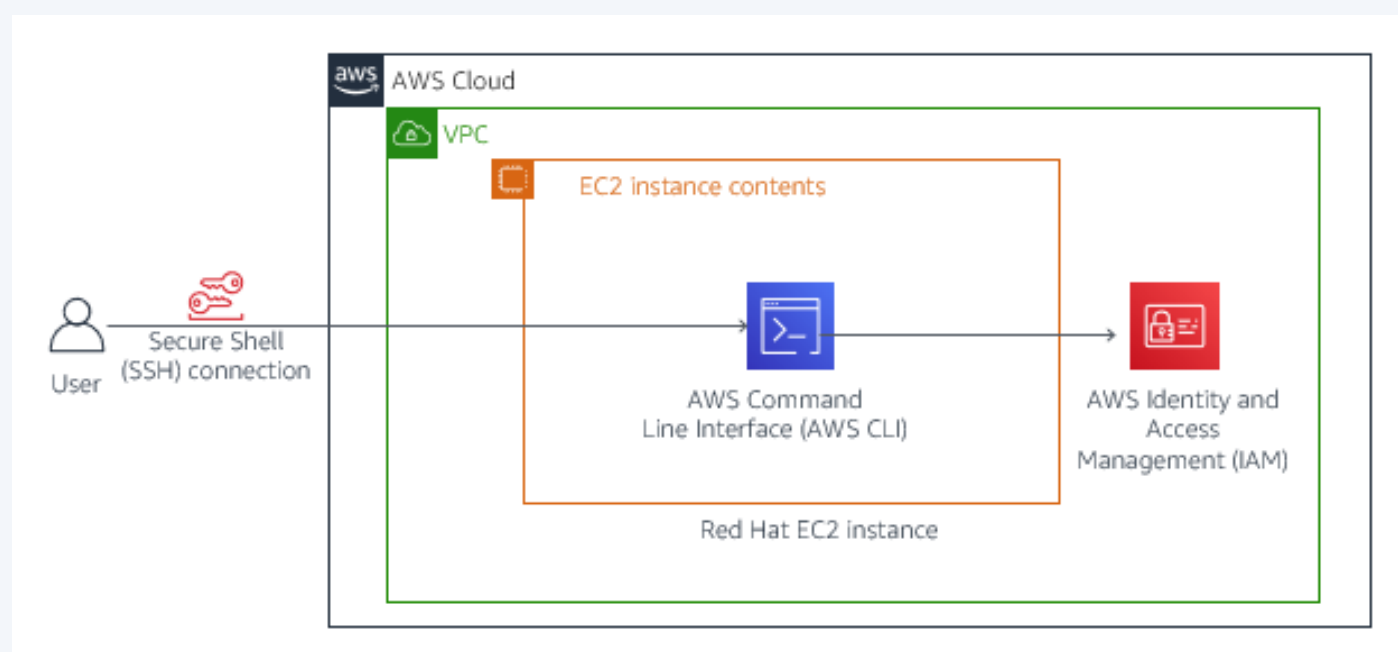


Interactuando con AWS CLI

A continuación, se muestra los objetivos del laboratorio:

- Instalar y configurar la CLI de AWS
- Conectar la CLI de AWS a una cuenta de AWS
- Acceder a IAM mediante la CLI de AWS

Nota. La interfaz de línea de comandos de AWS (AWS CLI) es una herramienta que nos permite interactuar con productos y servicios de AWS.



```
ec2-user@ip-10-200-0-254:~  
login as: ec2-user  
Authenticating with public key "imported-openssh-key"  
#  
~\##### Amazon Linux 2  
~~\#####\  
~~\###| AL2 End of Life is 2025-06-30.  
~~\#/  
~~V~' '->  
~~~ / A newer version of Amazon Linux is available!  
~~.-. /  
_/_/_ / Amazon Linux 2023, GA and supported until 2028-03-15.  
_/_/_ /m/'- / https://aws.amazon.com/linux/amazon-linux-2023/  
[ec2-user@ip-10-200-0-254 ~]$
```

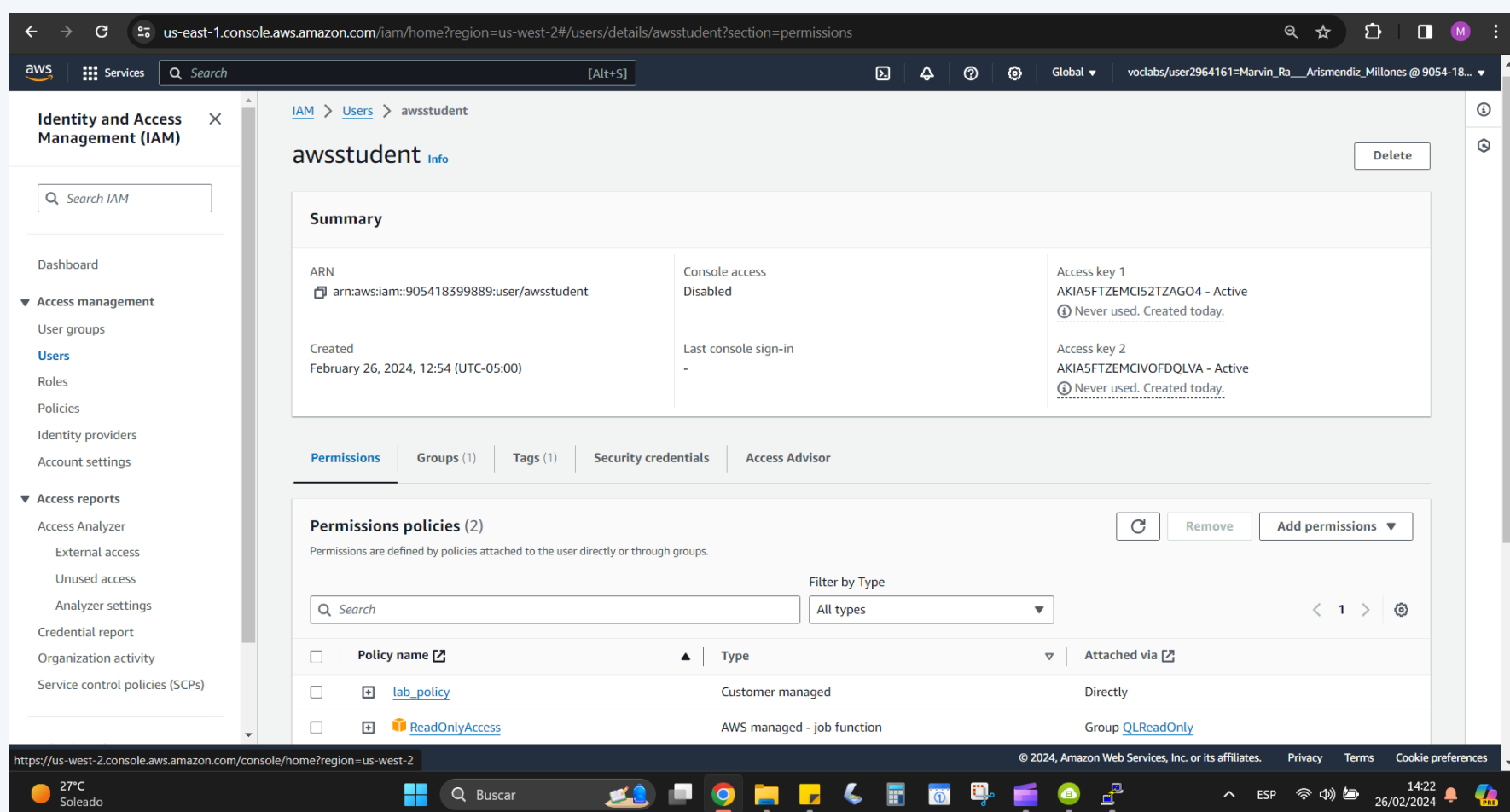
```
ec2-user@ip-10-200-0-254:~  
Total download size: 2.0 M  
Installed size: 9.5 M  
Downloading packages:  
python2-pip-20.2.2-1.amzn2.0.5.noarch.rpm | 2.0 MB 00:00  
Running transaction check  
Running transaction test  
Transaction test succeeded  
Running transaction  
Installing : python2-pip-20.2.2-1.amzn2.0.5.noarch 1/1  
Verifying : python2-pip-20.2.2-1.amzn2.0.5.noarch 1/1  
  
Installed:  
python2-pip.noarch 0:20.2.2-1.amzn2.0.5  
  
Complete!  
[ec2-user@ip-10-200-0-254 ~]$ pip --version  
pip 20.2.2 from /usr/lib/python2.7/site-packages/pip (python 2.7)  
[ec2-user@ip-10-200-0-254 ~]$ pip install awscli --upgrade --user  
DEPRECATION: Python 2.7 reached the end of its life on January 1st, 2020. Please  
upgrade your Python as Python 2.7 is no longer maintained. pip 21.0 will drop s  
upport for Python 2.7 in January 2021. More details about Python 2 support in pi  
p can be found at https://pip.pypa.io/en/latest/development/release-process/#python-2-support
```

```
ec2-user@ip-10-200-0-254:~  
Collecting botocore==1.20.112  
  Downloading botocore-1.20.112-py2.py3-none-any.whl (7.7 MB)  
    |████████████████████| 7.7 MB 49.5 MB/s  
Collecting s3transfer<0.5.0,>=0.4.0  
  Downloading s3transfer-0.4.2-py2.py3-none-any.whl (79 kB)  
    |████████████████████| 79 kB 8.5 MB/s  
Requirement already satisfied, skipping upgrade: pyasn1>=0.1.3 in /usr/lib/python2.7/site-packages (from rsa<4.5.0,>=3.1.2; python_version == "2.7"->awscli) (0.1.9)  
Requirement already satisfied, skipping upgrade: jmespath<1.0.0,>=0.7.1 in /usr/lib/python2.7/site-packages (from boto==1.20.112->awscli) (0.9.3)  
Requirement already satisfied, skipping upgrade: python-dateutil<3.0.0,>=2.1 in /usr/lib/python2.7/site-packages (from boto==1.20.112->awscli) (2.6.1)  
Requirement already satisfied, skipping upgrade: urllib3<1.27,>=1.25.4 in /usr/lib/python2.7/site-packages (from boto==1.20.112->awscli) (1.25.9)  
Requirement already satisfied, skipping upgrade: futures<4.0.0,>=2.2.0; python_version == "2.7" in /usr/lib/python2.7/site-packages (from s3transfer<0.5.0,>=0.4.0->awscli) (3.0.5)  
Requirement already satisfied, skipping upgrade: six>=1.5 in /usr/lib/python2.7/site-packages (from python-dateutil<3.0.0,>=2.1->boto==1.20.112->awscli) (1.11.0)  
Installing collected packages: boto, s3transfer, awscli  
Successfully installed awscli-1.19.112 boto-1.20.112 s3transfer-0.4.2  
[ec2-user@ip-10-200-0-254 ~]$
```

Tarea 01



Podemos navegar en la consola, específicamente en el servicio IAM, para indagar en las políticas de permisos dentro del entorno. Así encontramos el usuario *awsstudent*



Donde notamos una política personalizada como *lab_policy*. Después de ello, procedemos a conectarnos a la cuenta mediante CLI, donde necesitamos Access / Secrets Key

```
[ec2-user@ip-10-200-0-254 ~]$ aws configure
AWS Access Key ID [None]: AKIA5FTZEMCI52TZAGO4
AWS Secret Access Key [None]: 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
Default region name [None]: us-west-2
Default output format [None]: json
[ec2-user@ip-10-200-0-254 ~]$
```

Tarea 01



Y podemos interactuar con los servicios mediante la línea de comandos, en este caso, veremos la lista de usuarios de la cuenta AWS:

```
ec2-user@ip-10-200-0-254:~  
[ec2-user@ip-10-200-0-254 ~]$ aws iam list-users  
{  
  "Users": [  
    {  
      "UserName": "awsstudent",  
      "Path": "/",  
      "CreateDate": "2024-02-26T17:54:29Z",  
      "UserId": "AIDA5FTZEMCI3BTOS3MQY",  
      "Arn": "arn:aws:iam::905418399889:user/awsstudent"  
    }  
  ]  
}
```

Asimismo, podemos descargar una política de permisos en formato json:

```
ec2-user@ip-10-200-0-254:~  
  "CreateDate": "2024-02-26T17:54:29Z",  
  "UserId": "AIDA5FTZEMCI3BTOS3MQY",  
  "Arn": "arn:aws:iam::905418399889:user/awsstudent"  
}  
]  
}  
[ec2-user@ip-10-200-0-254 ~]$ aws iam get-policy --policy-arn arn:aws:iam::905418399889:policy/lab_policy --output json > lab_policy.json  
[ec2-user@ip-10-200-0-254 ~]$ cat lab_policy.json  
{  
  "Policy": {  
    "PolicyName": "lab_policy",  
    "PermissionsBoundaryUsageCount": 0,  
    "CreateDate": "2024-02-26T17:55:07Z",  
    "AttachmentCount": 1,  
    "IsAttachable": true,  
    "PolicyId": "ANPA5FTZEMCI564FTBDHX",  
    "DefaultVersionId": "v1",  
    "Path": "/",  
    "Arn": "arn:aws:iam::905418399889:policy/lab_policy",  
    "UpdateDate": "2024-02-26T17:55:07Z"  
  }  
}
```