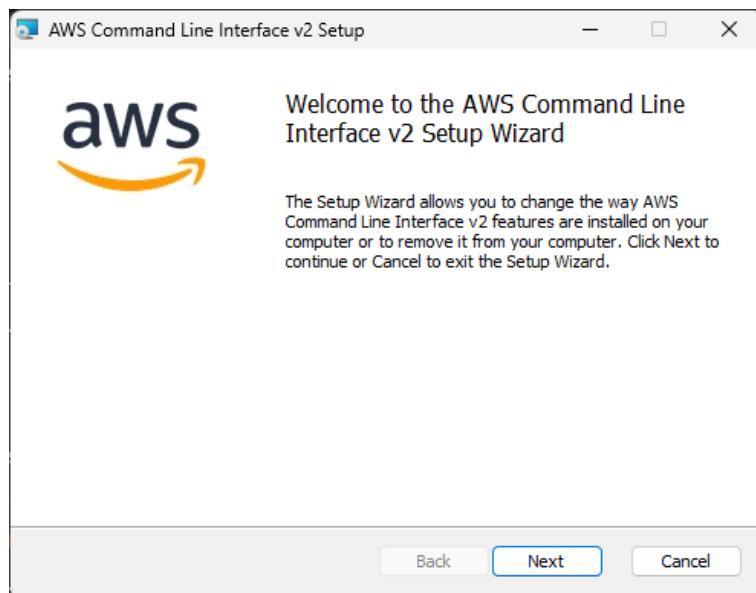


AWS CLI

1) Instalación de AWS CLI

Instalamos el cliente:



Desactivamos la necesidad de firmar los scripts para ejecutarlos:

```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. Todos los derechos reservados.

Instale la versión más reciente de PowerShell para obtener nuevas características y mejoras. https://aka.ms/PSWindows
PS C:\WINDOWS\system32> Set-ExecutionPolicy Unrestricted

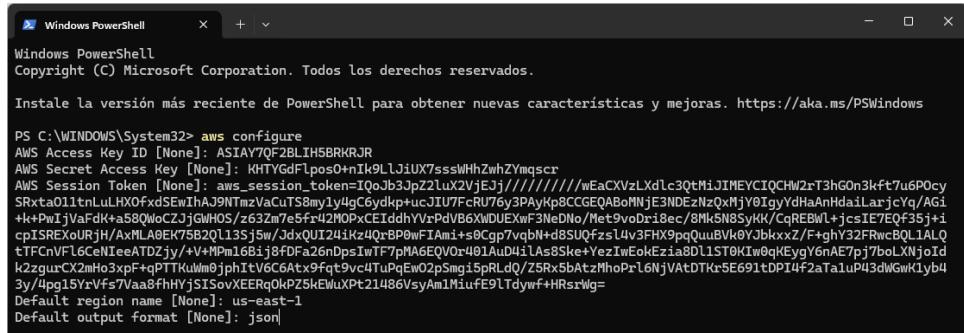
Cambio de directiva de ejecución
La directiva de ejecución te ayuda a protegerte de scripts en los que no confías. Si cambias dicha directiva, podrías exponerte a los riesgos de seguridad descritos en el tema de la Ayuda about_Execution_Policies en https://go.microsoft.com/fwlink/?LinkId=135170. ¿Quieres cambiar la directiva de ejecución?
[S] Sí [O] Sí a todo [N] No [T] No a todo [U] Suspender [?] Ayuda (el valor predeterminado es "N"): S
PS C:\WINDOWS\system32>
```

Comprobamos que se haya instalado correctamente y la versión:

```
PS C:\WINDOWS\System32> aws --version
aws-cli/2.32.17 Python/3.13.11 Windows/11 exe/AMD64
```

2) Configuración AWS CLI

Ejecutamos “aws configure” para acceder a la configuración:



```
Windows PowerShell
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Instale la versión más reciente de PowerShell para obtener nuevas características y mejoras. https://aka.ms/PSWindows

PS C:\WINDOWS\System32> aws configure
AWS Access Key ID [None]: ASIAY7QF2BLIH5BRKRJR
AWS Secret Access Key [None]: KHTYGdFlposO+nIk9LlJiUX7sssWHhZwhZYmqscr
AWS Session Token [None]: aws_session_token=IQoJb3JpZ2luX2VjEj//////////wEA
CXVzLXd1c3QtMiJIMEYCIQCHW2rT3hGOn3kft7u6P0cy
SRxta01lnLuLlHx0fxdsEwIhAJNNTmzvacU7SBmy1y4g6ydkp+u+cJUf7FcRU76y3PAyKp8CCEQABoMNje3NDEzNQxMjv0IgyYdhaAnhdailaxjcYq/AGi
4L++PwIJvaFdK+a58QwlocCZjGWHOS/z63Zm7e5fr42MOpxCEIdhyVzPdVB6XDUExw/F3NeDno/Met9voDr18ec/8Mk5N8SyKK/CqREBWL+jcsIE7EQf35j+i
cPIsRExouRjH/AxMLA0EKF75B2Q13Sj5w/JdxQUT24Ikz4QrBP0wFTAmi+s0Cgp7qbh+d8SU/fzsL4v3FHX9pqQuuBVk0YJbkxxZ/F+ghY32FRwcBQLALQ
tTFChvF1cCcNIeeATDZjy/+V+MPm16B1j8fDFa26nDps1wTF7pMA6EQ/VoF401uAD41LaS8Ske+YeziwEokEzia8Dl1ST0KTw0qkEygy6nAE7pj7boLXNjoi
dK2zguxCx2mh03xpF+qPTTkuwm0jphitV6cGAtx9fq9vc4TuPqEW02pSmgi5pRLdQ/Z5Rx5bAtzMhoPrL6NjVatDTkr5E691tDPi4f2aTa1uP43dwGwKyb4
3y/4pp15YrVfs7Va@fhHYjSISovxEERqokPZ5kEWuXPt21486VsyaM1MuifE9LTDywF+HRsrWg=
Default region name [None]: us-east-1
Default output format [None]: json
```

Copiamos las credenciales de estudiante:

```
[default]
aws_access_key_id=ASIAY7QF2BLIH5BRKRJR
aws_secret_access_key=KHTYGdFlposO+nIk9LlJiUX7sssWHhZwhZYmqscr
aws_session_token=IQoJb3JpZ2luX2VjEj//////////wEA
CXVzLXd1c3QtMiJIMEYCIQCHW2rT3hGOn3kft7u6P0cy
SRxta01lnLuLlHx0fxdsEwIhAJNNTmzvacU7SBmy1y4g6ydkp+u+cJUf7FcRU76y3PAyKp8CCEQABoMNje3NDEzNQxMjv0IgyYdhaAnhdailaxjcYq/AGi
4L++PwIJvaFdK+a58QwlocCZjGWHOS/z63Zm7e5fr42MOpxCEIdhyVzPdVB6XDUExw/F3NeDno/Met9voDr18ec/8Mk5N8SyKK/CqREBWL+jcsIE7EQf35j+i
cPIsRExouRjH/AxMLA0EKF75B2Q13Sj5w/JdxQUT24Ikz4QrBP0wFTAmi+s0Cgp7qbh+d8SU/fzsL4v3FHX9pqQuuBVk0YJbkxxZ/F+ghY32FRwcBQLALQ
tTFChvF1cCcNIeeATDZjy/+V+MPm16B1j8fDFa26nDps1wTF7pMA6EQ/VoF401uAD41LaS8Ske+YeziwEokEzia8Dl1ST0KTw0qkEygy6nAE7pj7boLXNjoi
dK2zguxCx2mh03xpF+qPTTkuwm0jphitV6cGAtx9fq9vc4TuPqEW02pSmgi5pRLdQ/Z5Rx5bAtzMhoPrL6NjVatDTkr5E691tDPi4f2aTa1uP43dwGwKyb4
3y/4pp15YrVfs7Va@fhHYjSISovxEERqokPZ5kEWuXPt21486VsyaM1MuifE9LTDywF+HRsrWg=
Default region name [None]: us-east-1
Default output format [None]: json
```

Comprobamos que funciona correctamente:

```
PS C:\WINDOWS\System32> aws ec2 describe-regions
{
    "Regions": [
        {
            "OptInStatus": "opt-in-not-required",
            "RegionName": "ap-south-1",
            "Endpoint": "ec2.ap-south-1.amazonaws.com"
        },
        {
            "OptInStatus": "opt-in-not-required",
            "RegionName": "eu-north-1",
            "Endpoint": "ec2.eu-north-1.amazonaws.com"
        },
        {
            "OptInStatus": "opt-in-not-required",
            "RegionName": "eu-west-3",
            "Endpoint": "ec2.eu-west-3.amazonaws.com"
        }
    ]
}
```

3) Uso de AWS CLI

Mostramos todas las instancias:

```
PS C:\WINDOWS\System32> aws ec2 describe-instances --filters "Name=instance-type,Values=t2.micro"
{
    "Reservations": [
        {
            "ReservationId": "r-0638d6418ebcbff10",
            "OwnerId": "617413741264",
            "Groups": [],
            "Instances": [
                {
                    "Architecture": "x86_64",
                    "BlockDeviceMappings": [
                        {
                            "DeviceName": "/dev/sda1",
                            "Ebs": {
                                "AttachTime": "2025-11-20T09:07:17+00:00",
                                "DeleteOnTermination": true,
                                "Status": "attached",
                                "VolumeId": "vol-066236ef59ae9fddf"
                            }
                        }
                    ],
                    "ClientToken": "l31d0870-fb09-46a3-b3ce-d41280cbfe4",
                    "EbsOptimized": false,
                    "EnaSupport": true,
                    "Hypervisor": "xen",
                    "NetworkInterfaces": [
                        {
                            "Association": {
                                "IpOwnerId": "617413741264",
                                "PublicDnsName": "ec2-44-212-173-124.compute-1.amazonaws.com",
                                "PublicIp": "44.212.173.124"
                            },
                            "Attachment": {
                                "AttachTime": "2025-11-20T09:07:17+00:00",
                                "AttachmentId": "eni-attach-0ea7c1be4271be825",
                                "DeleteOnTermination": true,
                                "DeviceIndex": 0,
                                "Status": "attached",
                                "NetworkCardIndex": 0
                            },
                            "Description": "",
                            "Groups": [
                                {
                                    "GroupId": "sg-0dbc3e9106bb6ab1d",
                                    "GroupName": "launch-wizard-3"
                                }
                            ]
                        }
                    ],
                    "PlatformDetails": "Linux/UNIX",
                    "UsageOperation": "RunInstances",
                    "BlockDeviceMappings": [
                        {
                            "Ebs": {
                                "DeleteOnTermination": true,
                                "SnapshotId": "snap-0ea2b465cc56e487c",
                                "VolumeSize": 8,
                                "VolumeType": "gp2",
                                "Encrypted": false
                            },
                            "DeviceName": "/dev/xvda"
                        }
                    ],
                    "Description": "Amazon Linux 2 AMI 2.0.20251121.0 x86_64 HVM gp2",
                    "EnaSupport": true,
                    "Hypervisor": "xen",
                    "ImageOwnerAlias": "amazon",
                    "Name": "amzn2-ami-hvm-2.0.20251121.0-x86_64-gp2",
                    "RootDeviceName": "/dev/xvda",
                    "RootDeviceType": "ebs",
                    "SriovNetSupport": "simple",
                    "VirtualizationType": "hvm",
                    "DeprecationTime": "2026-02-19T00:00:00.000Z",
                    "SourceImageId": "ami-00c1d63aff2d420ad",
                    "SourceImageRegion": "us-west-2",
                    "FreeTierEligible": true,
                    "ImageId": "ami-0156001f0548e90b1",
                    "ImageLocation": "amazon/amzn2-ami-hvm-2.0.20251121.0-x86_64-gp2",
                    "State": "available",
                    "OwnerId": "137112412989",
                    "CreationDate": "2025-11-21T08:38:04.000Z",
                    "Public": true,
                    "Architecture": "x86_64",
                    "ImageType": "machine"
                }
            ]
        }
    ]
}
```

Mostramos todas las imágenes:

```
PS C:\WINDOWS\System32> aws ec2 describe-images --filters "Name=name,Values=amzn2-ami-hvm-2.0.202*-x86_64-gp2"
{
    "Images": [
        {
            "PlatformDetails": "Linux/UNIX",
            "UsageOperation": "RunInstances",
            "BlockDeviceMappings": [
                {
                    "Ebs": {
                        "DeleteOnTermination": true,
                        "SnapshotId": "snap-0ea2b465cc56e487c",
                        "VolumeSize": 8,
                        "VolumeType": "gp2",
                        "Encrypted": false
                    },
                    "DeviceName": "/dev/xvda"
                }
            ],
            "Description": "Amazon Linux 2 AMI 2.0.20251121.0 x86_64 HVM gp2",
            "EnaSupport": true,
            "Hypervisor": "xen",
            "ImageOwnerAlias": "amazon",
            "Name": "amzn2-ami-hvm-2.0.20251121.0-x86_64-gp2",
            "RootDeviceName": "/dev/xvda",
            "RootDeviceType": "ebs",
            "SriovNetSupport": "simple",
            "VirtualizationType": "hvm",
            "DeprecationTime": "2026-02-19T00:00:00.000Z",
            "SourceImageId": "ami-00c1d63aff2d420ad",
            "SourceImageRegion": "us-west-2",
            "FreeTierEligible": true,
            "ImageId": "ami-0156001f0548e90b1",
            "ImageLocation": "amazon/amzn2-ami-hvm-2.0.20251121.0-x86_64-gp2",
            "State": "available",
            "OwnerId": "137112412989",
            "CreationDate": "2025-11-21T08:38:04.000Z",
            "Public": true,
            "Architecture": "x86_64",
            "ImageType": "machine"
        }
    ]
}
```

Extraemos el ImageId:

```
PS C:\WINDOWS\System32> aws ec2 describe-images --filters "Name=name,Values=amzn2-ami-hvm-2.0.202*-x86_64-gp2" --query "Images[0].ImageId"  
"ami-0156001f0548e90b1"
```

Lo imprimimos en formato de texto plano:

```
PS C:\WINDOWS\System32> aws ec2 describe-images --filters "Name=name,Values=amzn2-ami-hvm-2.0.202*-x86_64-gp2" --query "Images[0].ImageId" --output text  
ami-0156001f0548e90b1
```