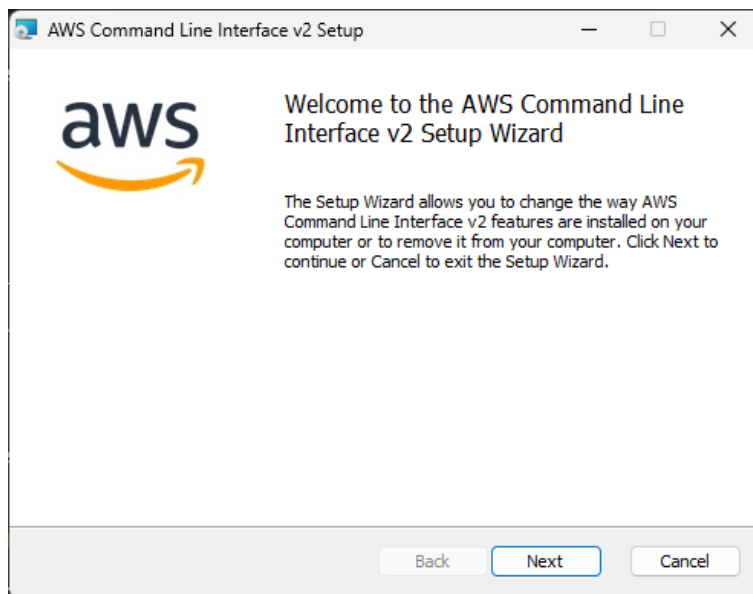


AWS CLI

1) Instalación de AWS CLI

Instalamos el cliente:



Desactivamos la necesidad de firmar los scripts para ejecutarlos:

```
Administrador: Windows PowerShell
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> 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=IQoJb3JpZ2luX2VjEjJ////////wEaCXVzLXdlc3QtMiJIMEYCIQCHW2rT3hG0n3kft7u6P0cy
SRxta011tLlLHxOfxdEwIhA9NTmzVaCuTS8my1ydgC6ydkp+ue3IU7FRU76y3PAYkp8CCGEQAB0MNjE3NDEzNzQxMjY0IgyYdHaAnHdaiLarjcYq/AGi
+k+PwIjVaFdl+a58QWloCZjGWHOS/z63Zm7eSfr42MOPxCEIdhVvzPdVB6XMDUEXwF3NeDNo/Mat9voDni8ec/8MkSN8SyMw/CqREBML+jcsIE7EQF35j+i
cpISREXoURjH/AxMLA8EK75B2Q135j5w/Jd+QUT24iKz4QrB9wFIAmi+s0Cgp7vqBN+d8SUQFzs14w3FHx9pqQuwBVk0YJbKxxZ/F+ghY32FRwBQ11ALQ
tTFCnVFL6CenIeeATDZjy/+V+MPm16Bi;8fDfa26nDpsIwTF7pMA6EQV0r401AuD4i1Ae8Ske+YezIwEokEzia8D11ST0HIw0qKEygY6nAE7p77bolXNjoId
k2zgurCX2mHo3xpF+qPTTKuWm0jphItV6C6Atx9Fqt9vc4TUqEwO2p5mg15pRLdQ/Z5Rxs5bAtzMhoPrL6MjVAtDTKr5E691tDP14F2aTa1uP43dMGwK1yb4
3y/4pg15YrVFs7Vaa8fHYjSISovXEERqOKPZSkEWUXPt21486VsyAm1MiufE9LTdywf+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=IQoJb3JpZ2luX2VjEjJ////////wEaCXVzLXdlc3QtMiJIMEYCIQCHW2rT3hG0n3kft7u6P0cy
```

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": "131d0870-fb09-46a3-b3ce-d41280cbfef4",
          "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"
                }
              ]
            }
          ]
        }
      ]
    }
  ]
}
```

Mostramos todas las imágenes:

```
PS C:\WINDOWS\System32> aws ec2 describe-images --filters "Name=name,Values=amzn2-ami-hvm-2.0.20251121.0-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
```