

```
root@valentina-VirtualBox:/home/valentina# sudo apt update
```

```
sudo apt install -y unzip curl
```

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2. Descargar AWS CLI v2

```
bash
```

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```
curl "https://awscli.amazonaws.com/awscli-exe-linux-x86_64.zip" -o "awscliv2.zip"
```

3. Descomprimir

```
bash
```

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```
unzip awscliv2.zip
```

```
root@valentina-VirtualBox:/home/valentina# sudo ./aws/install
You can now run: /usr/local/bin/aws --version
root@valentina-VirtualBox:/home/valentina# aws --version
aws-cli/2.32.15 Python/3.13.11 Linux/6.14.0-35-generic exe/x86_64.ubuntu.24
root@valentina-VirtualBox:/home/valentina# aws configure
AWS Access Key ID [None]: ASIASVUBJTBFNOERVGGC
AWS Secret Access Key [None]: 7y4EXryLYrwcOdIk3bkngc58Yz429SJQgV9BVoC
AWS Session Token [None]: aws_session_token=IQoJb3JpZ2luX2VjEDgaCXVzLXdlc3QtMiJH
<6Tgql/SmF+/CSLC4Wuy9JYgkwi5n089kxZLQ9YKdyi57PJyMi90
Default region name [None]: us-east-1
Default output format [None]: json
```

nombre	region de AWS	fecha de creacion
<input type="radio"/> bucket-mi-s3-website-valentina	EE.UU. Este (Norte de Virginia) us-east-1	12 Dec 2025 10:12:34 AM CET

```
root@valentina-VirtualBox:/home/valentina# aws s3 ls
2025-12-12 10:12:34 bucket-mi-s3-website-valentina
```

```
root@valentina-VirtualBox:/home/valentina# aws s3 cp ~/s3-website/index.html s3://bucket-mi-s3-website-valentina
upload: ../../root/s3-website/index.html to s3://bucket-mi-s3-website-valentina/index.html
root@valentina-VirtualBox:/home/valentina# aws s3 ls s3://bucket-mi-s3-website-valentina
2025-12-12 10:26:00          42 index.html
```

```
root@valentina-VirtualBox:/home/valentina# cat > website.json <<EOF
{
  "IndexDocument": { "Suffix": "index.html" },
  "ErrorDocument": { "Key": "error.html" }
}
EOF
root@valentina-VirtualBox:/home/valentina# aws s3api put-bucket-website \
> --bucket bucket-mi-s3-website-valentina \
> --website-configuration file://website.json
```

```
root@valentina-VirtualBox:/home/valentina# cat > policy.json <<EOF
{
  "Version": "2012-10-17",
  "Statement": [
    { "Sid": "PublicRead",
      "Effect": "Allow",
      "Principal": "*",
      "Action": ["s3:GetObject"],
      "Resource": ["arn:aws:s3:::bucket-mi-s3-website-valentina/*"]
    }
  ]
}
EOF
```



```
root@valentina-VirtualBox:/home/valentina# aws s3api put-bucket-policy \
> --bucket bucket-mi-s3-website-valentina \
> --policy file://policy.json
```

An error occurred (AccessDenied) when calling the PutBucketPolicy operation: User: arn:aws:sts::183881013322:assumed-role/voclabs/user4527780=Siu is not authorized to perform: s3:PutBucketPolicy on resource: "arn:aws:s3:::bucket-mi-s3-website-valentina" because public policies are prevented by the BlockPublicPolicy setting in S3 Block Public Access.

```
root@valentina-VirtualBox:/home/valentina# aws s3api put-bucket-versioning \
> --bucket bucket-mi-s3-website-valentina \
> --versioning-configuration Status=Enabled
```

```
root@valentina-VirtualBox:/home/valentina# aws s3api list-object-versions --bucket bucket-mi-s3-website-valentina
{
  "Versions": [
    {
      "ETag": "\"6bf9e1c453a1195244a836198c1d2a93\"",
      "ChecksumAlgorithm": "CRC64NVME",
      "ChecksumType": "FULL_OBJECT",
      "Size": 42,
      "StorageClass": "STANDARD",
      "Key": "index.html",
      "VersionId": "null",
      "IsLatest": true,
      "LastModified": "2025-12-12T09:26:00+00:00",
      "Owner": {
        "ID": "c586a36a7d3d8b0c7b68015384803a138689d0a465bbef216fc50cc7d51f1a4d"
      }
    }
  ],
  "RequestCharged": null,
  "Prefix": ""
}
```

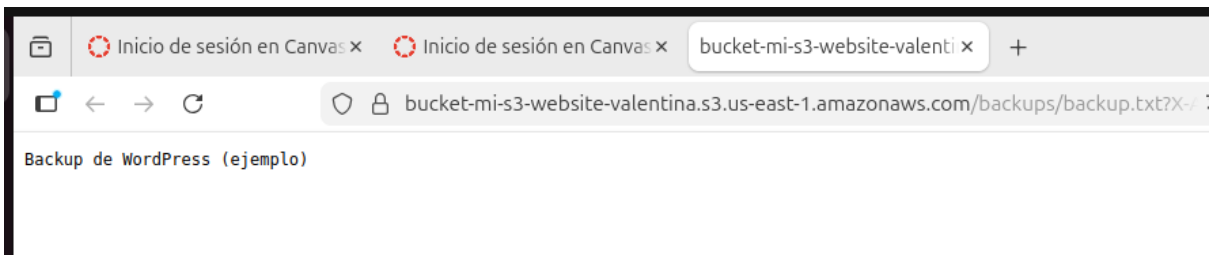
```
root@valentina-VirtualBox:/home/valentina# mkdir ~/s3-backups
root@valentina-VirtualBox:/home/valentina# echo "Backup de WordPress (ejemplo)" > ~/s3-backups/backup.txt
root@valentina-VirtualBox:/home/valentina# aws s3 cp ~/s3-backups/backup.txt s3://bucket-mi-s3-website-valentina/backups/
upload: ../../root/s3-backups/backup.txt to s3://bucket-mi-s3-website-valentina/backups/backup.txt
```

<input type="checkbox"/>	Nombre ▲	Tipo ▼	Última modificac ión ▼	T
<input type="checkbox"/>	 backups/	Carpeta	-	
<input type="checkbox"/>	 index.html	html	12 Dec 2025 10:26:00 AM CET	

```

root@valentina-VirtualBox:/home/valentina# aws s3 presign s3://bucket-mi-s3-website-valentina/backups/backup.txt --expires-in 600
https://bucket-mi-s3-website-valentina.s3.us-east-1.amazonaws.com/backups/backup.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=ASIASVUBJTBFNOERVBGC%2F20251212%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20251212T094803Z&X-Amz-Expires=600&X-Amz-SignedHeaders=host&X-Amz-Security-Token=IQoJb3JpZ2luX2VjEDGaCXVzLXdlc3QtMiJHMEUCIBi0BBRZWAwh2fbAaLRyIQTqoaXKD39m0JUvH1TpIcR6AiEA5m0U4SCL1dXDtu0Ys5UxeKpZ1g85iLK0KUn2wIVieHoqnQIIARAAGgwODM40DEwMTMzMjIiDBVpH785%2F6MrgyPc%2FSr6ARWCoYfFEzbdNeZIkRM9tJyK%2BGkUzMBNXX3RthRt8PPlr7fAoqJlmffv06Z%2FA4gmlAmIvIwQfq5dCbatEELfMGYU5QWJQTa24zvAk64P9mtb1NkPNbP39cLSe7Jg3Z7Q2T%2Bsgm8WK0Zw7i8Axq1FT5aTccnEn%2FvvNb07biYHNZeUsdSLPRzzQIGjUixzFmygmCEBCEuNp6CeBFfwpoC06l7YqS0BEGAGdK0wrYiECIFhZmsGC00pcwoI2phtNipa%2FRKAb0U8Wp6BZorRiCsIASlkk7AXoMGvq4tH1s3eoroXe0PBj8nTUI0SJv%2BWhPM9DYQf0%2FJ%2B8Ni0wk53vyQY6nQFgoMH8yBqeeK6FQx%2Fmc5swyiYYHpedga5ZEwGBhryagJXVqjxF3AN5aZM8x3S750crZSI8uy33LtbIkINXJ3Fvfm10VQul8cnF2yItdpbi8xj%2BKELF0p5rE6BdBY3BEyM4WIKvliX%2FEHIJj6c0%2F0C4UXn1%2F8Iqt6Tgq1%2FSmF%2B%2FCSLC4Wuy9JYgkwi5n089kxZLQ9YKdyi57PJyMi90&X-Amz-Signature=d3b354aae8c2565b216416d0bb7d83ae9c951e790b6f83848e8593afb7111e2e

```



```




root@valentina-VirtualBox:/home/valentina# aws s3api put-object-tagging \
  --bucket bucket-mi-s3-website-valentina \
  --key index.html \
  --tagging 'TagSet=[{Key=proyecto,Value=SMR2},{Key=profesor,Value=Miguel}]'
{
  "VersionId": "null"
}
root@valentina-VirtualBox:/home/valentina# aws s3api get-object-tagging \
  --bucket bucket-mi-s3-website-valentina \
  --key index.html
{
  "VersionId": "null",
  "TagSet": [
    {
      "Key": "proyecto",
      "Value": "SMR2"
    },
    {
      "Key": "profesor",
      "Value": "Miguel"
    }
  ]
}

```

```

root@valentina-VirtualBox:/home/valentina# aws s3 cp ~/s3-backups/backup.txt \
s3://bucket-mi-s3-website-valentina/ \
--storage-class STANDARD_IA
upload: ../../root/s3-backups/backup.txt to s3://bucket-mi-s3-website-valentina/
backup.txt
root@valentina-VirtualBox:/home/valentina# aws s3api list-objects-v2 \
--bucket bucket-mi-s3-website-valentina \
--query "Contents[][Key,StorageClass]"
[
  [
    "backup.txt",
    "STANDARD_IA"
  ],
  [
    "backups/backup.txt",
    "STANDARD"
  ],
  [
    "index.html",
    "STANDARD"
  ]
]

```

<input type="checkbox"/>	Nombre ▲	Tipo ▼	Última modificación ▼	Tamaño ▼	Clase de almacenamiento
<input type="checkbox"/>	 backup.txt	txt	12 Dec 2025 10:50:34 AM CET	30.0 B	Estándar Acceso p frecuente
<input type="checkbox"/>	 backups/	Carpeta	-	-	-
<input type="checkbox"/>	 index.html	html	12 Dec 2025 10:26:00 AM CET	42.0 B	Estándar

```

root@valentina-VirtualBox:/home/valentina# cat > lifecycle.json <<EOF
{
  "Rules": [
    {
      "ID": "MoveToIA",
      "Prefix": "",
      "Status": "Enabled",
      "Transitions": [
        {"Days": 30, "StorageClass": "STANDARD_IA"}
      ],
      "Expiration": {"Days": 365}
    }
  ]
}
EOF

```

```
root@valentina-VirtualBox:/home/valentina# aws s3api put-bucket-lifecycle-configuration \
--bucket bucket-mi-s3-website-valentina \
--lifecycle-configuration file://lifecycle.json
{
  "TransitionDefaultMinimumObjectSize": "all_storage_classes_128K"
}
```

```
root@valentina-VirtualBox:/home/valentina# aws s3api get-bucket-lifecycle-configuration \
--bucket bucket-mi-s3-website-valentina
{
  "TransitionDefaultMinimumObjectSize": "all_storage_classes_128K",
  "Rules": [
    {
      "Expiration": {
        "Days": 365
      },
      "ID": "MoveToIA",
      "Prefix": "",
      "Status": "Enabled",
      "Transitions": [
        {
          "Days": 30,
          "StorageClass": "STANDARD_IA"
        }
      ]
    }
  ]
}
```

```
root@valentina-VirtualBox:/home/valentina# cat > deploy-s3.sh <<'EOF'
#!/bin/bash
set -e
BUCKET="mi-s3-website-$(whoami)"
aws s3api create-bucket --bucket $BUCKET --region eu-west-1 \
--create-bucket-configuration LocationConstraint=eu-west-1
aws s3 cp index.html s3://$BUCKET --acl public-read
aws s3api put-bucket-website \
--bucket $BUCKET \
--website-configuration '{"IndexDocument":{"Suffix":"index.html"}}'
cat > policy.json <<POL
{"Version":"2012-10-17","Statement":[{"Sid":"PublicRead",
"Effect":"Allow","Principal":"*",
"Action":["s3:GetObject"],
"Resource":["arn:aws:s3:::$BUCKET/*"]}]}
POL
aws s3api put-bucket-policy --bucket $BUCKET --policy file://policy.json
echo "Implementación completada. Sitio disponible en:"
echo "http://$BUCKET.s3-website-eu-west-1.amazonaws.com"
EOF
root@valentina-VirtualBox:/home/valentina# chmod +x deploy-s3.sh
root@valentina-VirtualBox:/home/valentina# ./deploy-s3.sh
```

An error occurred (AccessDenied) when calling the CreateBucket operation: User: arn:aws:sts::183881013322:assumed-role/voclabs/user4527780=Siu is not authorized to perform: s3:CreateBucket on resource: "arn:aws:s3:::mi-s3-website-root" because no identity-based policy allows the s3:CreateBucket action

```
root@valentina-VirtualBox:/home/valentina# aws cloudwatch list-metrics --namespa  
ce AWS/S3 | head -15  
{  
  "Metrics": []  
}
```

Conclusión a pesar de que la cuenta de academy no tiene permisos para nada se logró hacer la práctica. Uno que otros comandos no se pueden hacer porque la cuenta de academy no tiene permisos.