Exercise 3: AWS CLI

Time: 15 minutes

Objective

Install the AWS CLI, configure it with your credentials, and upload a file to S3 from the terminal.

Instructions

1. Install AWS CLI (v2)
2. Create an access key and configure the CLI
3. Upload a file to S3 using `aws s3 cp`

Step 1: Install AWS CLI v2

Follow the official instructions: https://docs.aws.amazon.com/cli/latest/userguide/getting-started-install.html

macOS:

```
curl "https://awscli.amazonaws.com/AWSCLIV2.pkg" -o "AWSCLIV2.pkg"
sudo installer -pkg AWSCLIV2.pkg -target /
```

Linux:

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

Windows:

1. Download the MSI installer from: https://awscli.amazonaws.com/AWSCLIV2.msi
2. Run the downloaded `.msi` file and follow the wizard
3. Open a **new** Command Prompt or PowerShell window after installation

Verify the installation (all platforms):

```
aws --version
```

Step 2: Create an Access Key and configure

In AWS Console:

1. Click your username (top right)
2. Go to **Security credentials**
3. Click **Create access key**
4. Select **Command Line Interface (CLI)** as the use case
5. Copy the **Access Key ID** and **Secret Access Key**

> The Secret Access Key is only shown once. Save it securely.

In your terminal (macOS/Linux: Terminal, Windows: Command Prompt or PowerShell):

```
aws configure
```

Enter: - **AWS Access Key ID**: paste yours - **AWS Secret Access Key**: paste yours - **Default region**: `us-east-1` - **Default output format**: `json`

> For AWS Academy Learner Lab: credentials are available under **AWS Details > AWS CLI**.

Credentials are stored in: - macOS/Linux: `~/.aws/credentials` - Windows: `C:\Users\YOUR_USERNAME\.aws\credentials`

Step 3: Upload a file to S3

```
# List all buckets
aws s3 ls

# Create a test file (macOS/Linux)
echo "hello from CLI" > test.txt

# Create a test file (Windows PowerShell)
# "hello from CLI" | Out-File test.txt

# Upload to S3
aws s3 cp test.txt s3://YOUR-BUCKET-NAME/bts/exercise1/

# List bucket contents
aws s3 ls s3://YOUR-BUCKET-NAME/bts/exercise1/
```

Verification

If you see the file listed in the output of `aws s3 ls`, you are done.