

## End-End scripting

### Step-by-Step Guide: Running AWS CLI Script on Windows

#### Step 1: Install and Configure AWS CLI

##### 1. Download AWS CLI:

- Go to the AWS CLI download page and download the installer for Windows.

##### 2. Install AWS CLI:

- Run the downloaded installer and follow the on-screen instructions.

##### 3. Verify Installation:

- Open Command Prompt and type: `aws --version`
- You should see something like `aws-cli/2.x.x`.

##### 4. Configure AWS CLI:

- Open Command Prompt and type: `aws configure`
- Enter your Access Key, Secret Key, and Default Region (e.g., `ap-south-1`).

#### Step 2: Set Up the Script

##### 1. Create the Script File:

- Open a text editor like Notepad.
- Copy and paste your AWS CLI commands into the editor.

##### 2. Save the File:

- Save the file with a `.sh` (`.bat` for windows) extension (e.g., `create_infra.bat`) in a folder, such as `C:\AWS-Scripts\`.

#### Step 3: Prepare Your Environment

##### 1. Update AMI ID:

- Ensure the `AMI_ID` in the script matches an AMI available in your region (e.g., `ap-south-1`).
- Use the following to find AMIs:

```
aws ec2 describe-images --owners amazon --filters  
Name=platform,Values=Linux/UNIX --region ap-south-1
```

#### Step 4: Run the Script

##### 1. Open Command Prompt:

- Press `Win + R`, type `cmd`, and hit Enter.

##### 2. Navigate to Script Location:

- Change the directory to the script location:

cd C:\AWS-Scripts\

### 3. Run the Script:

- Execute the script by typing: create\_infra.bat

### Step 5: Verify Infrastructure

#### 1. Check VPC:

- Verify the VPC was created: aws ec2 describe-vpcs --region ap-south-1

#### 2. Check Subnets:

- Verify the subnets were created: aws ec2 describe-subnets --region ap-south-1

#### 3. Check EC2 Instance:

- Verify the instance was launched: aws ec2 describe-instances --region ap-south-1

### Step 6: Clean Up (Optional)

#### 1. Terminate EC2 Instance:

- aws ec2 terminate-instances --instance-ids <INSTANCE\_ID> --region ap-south-1

#### 2. Delete NAT Gateway:

- aws ec2 delete-nat-gateway --nat-gateway-id <NAT\_GATEWAY\_ID> --region ap-south-1

#### 3. Detach and Delete Internet Gateway:

- aws ec2 detach-internet-gateway --internet-gateway-id <IGW\_ID> -vpc-id <VPC\_ID> --region ap-south-1  
- aws ec2 delete-internet-gateway --internet-gateway-id <IGW\_ID> --region ap-south-1

#### 4. Delete Subnets and VPC:

- aws ec2 delete-subnet --subnet-id <SUBNET\_ID> --region ap-south-1  
- aws ec2 delete-vpc --vpc-id <VPC\_ID> --region ap-south-1

Notes:

- Replace placeholders like <INSTANCE\_ID> or <VPC\_ID> with actual values from your AWS output.