**Create EC2 Instance Console / CLI**

#### **Using the AWS Management Console**

1. **Navigate to EC2**: In the console dashboard, type **EC2** in the search bar and select it. Once on the EC2 page, click **Instances** in the sidebar, then select **Launch Instances**.
2. **Configure Your Instance**:
   * **Instance Name**: Provide the name you’d like for your instance.
   * **Application and OS Images (AMI)**: Choose your preferred operating system.
   * **Instance Type**: Select an instance type, such as t2.micro (eligible for free tier usage).
   * **Key Pair**: Choose or create a Key Pair for secure access to your instance.
   * **Security Group**: Use the default security group or configure as needed.
3. **Launch Instance**: Review your configurations and click **Launch Instance** to deploy.

#### **Using the AWS CLI**

**Configure AWS CLI**: Start by setting up your AWS CLI credentials using:  
bash  
Copy code  
 aws configure

* + **AWS Access Key ID**: Enter your Access Key.
  + **AWS Secret Access Key**: Enter your Secret Key.
  + **Default Region Name**: For example, us-east-1.
  + **Default Output Format**: Choose json or another format if preferred.

**Verify CLI Configuration**: Test your CLI setup with:  
bash  
Copy code  
 aws sts get-caller-identity

Expected Output:  
 json  
 Copy code  
{

"Account": "123456",

"Arn": "arn:aws:sts::123456:assumed-role/role-name/role-session-name",

"UserId": "AR#####:#####"

}

**Launch EC2 Instance via CLI**: Use the following command, replacing <Key-Pair-Name> with your Key Pair name:  
bash

Copy code  
aws ec2 run-instances --image-id ami-08e4e35cccc6189f4 --count 1 --instance-type t2.micro --key-name <Key-Pair-Name> --security-groups default

This will initiate the creation of an EC2 instance based on your specifications.