1. AWS: EC2 Instance Maintenance and Optimization

While maintaining and optimizing an AWS EC2 project, an engineer needs to change the instance type and perform some security and administration related operations.

Using the AWS Command Line Interface (AWS CLI):

- In the context of an existing EC2 instance with the key name `HackerApp`:
  - Create a new EC2 AMI as a backup, name it `HackerApp`.

  - Assign an existing EC2 security group named `HackerApp`.

  - Upgrade EC2 instance type to `t3.medium`

  - Assign the following tags (Key => Value):
    - Role => Application

    - Environment => Production

```
ubuntu@taskserver:~$
```