## COS20019 - Cloud Computing Architecture

# Assignment 1 - Part A Creating and deploying a Web Page

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Due Date: 01/10/2023

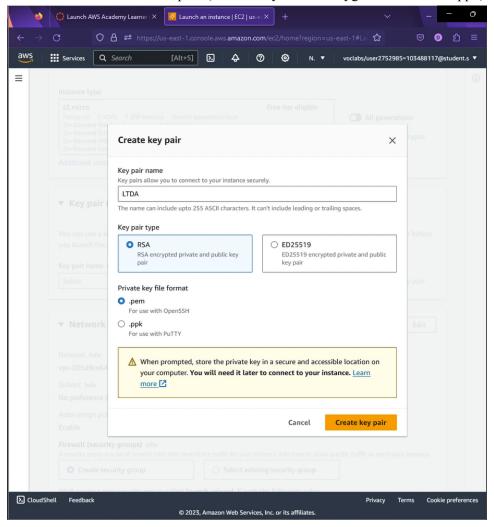
## TASK 1 – Launch your own Linux EC2 instance

1. Create my own key pair to access my EC2 instances.

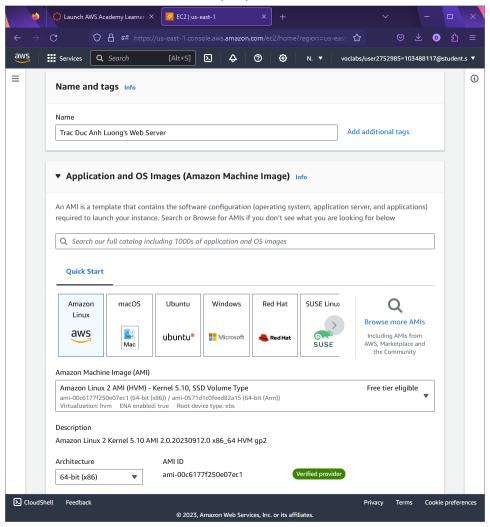
a. Name: LTDA

b. Key pair type: RSA

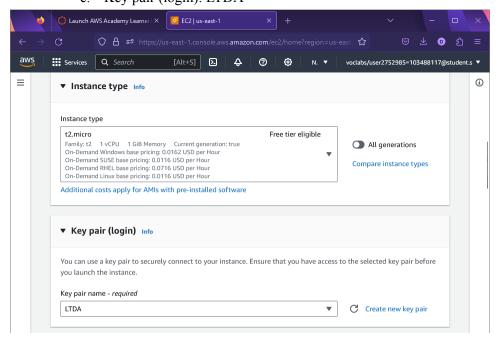
c. File format: .pem (I can always use PuTTygen to convert to .ppk)



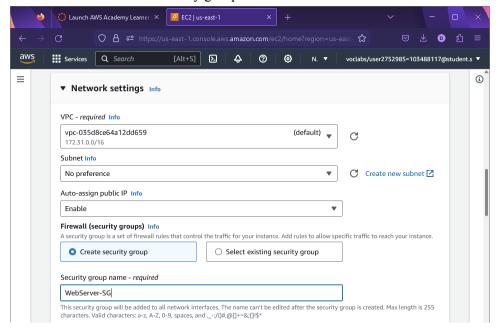
- 2. Launch a new EC2 instance.
  - a. Name: Trac Duc Anh Luong's Web Server
  - b. AMI: Amazon Linux 2 AMI (HVM) Kernel 5.10, SSD Volume Type
  - c. Architecture: 64-bit (x86)



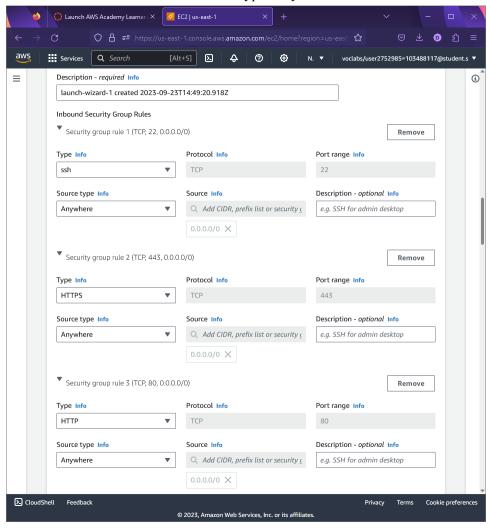
d. Instance type: t2.microe. Key pair (login): LTDA



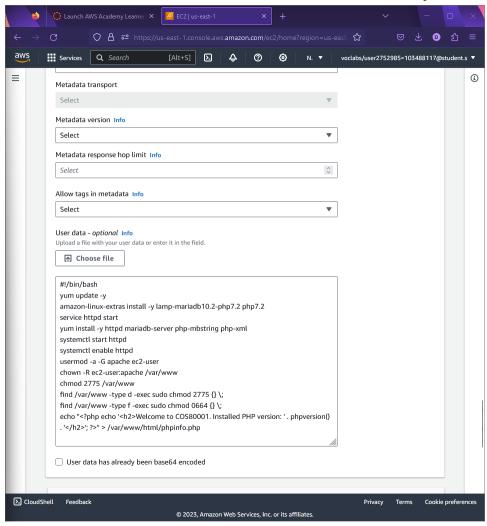
- f. Network settings
  - i. VPC: default
  - ii. Security group name: WebServer-SG



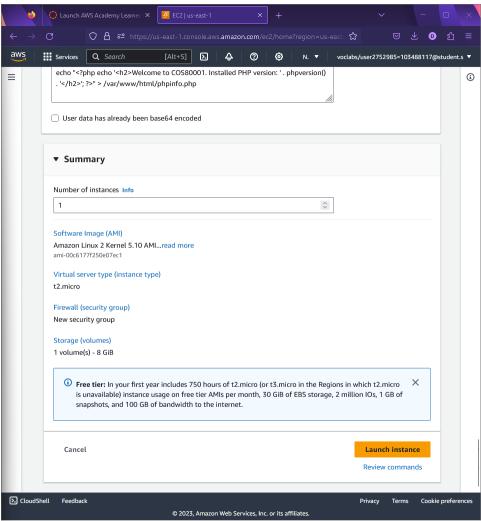
- iii. Description: default
- iv. Inbound Security Group Rules:
  - 1. Type: ssh, HTTPS, HTTP
  - 2. Source type: Anywhere



3. Advanced Details - User data: Use the provided script on Canvas



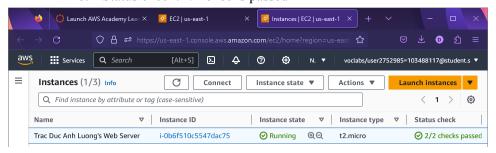
#### g. Summary



#### 3. Instance status

a. Instance state: Running

b. Status check: 2/2 checks passed



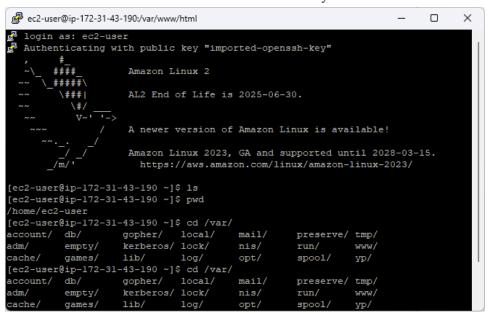
4. The browser's Welcome page indicates the EC2 instance, PHP, and Apache server have been installed correctly.

Link: http://ec2-54-234-6-128.compute-1.amazonaws.com/phpinfo.php

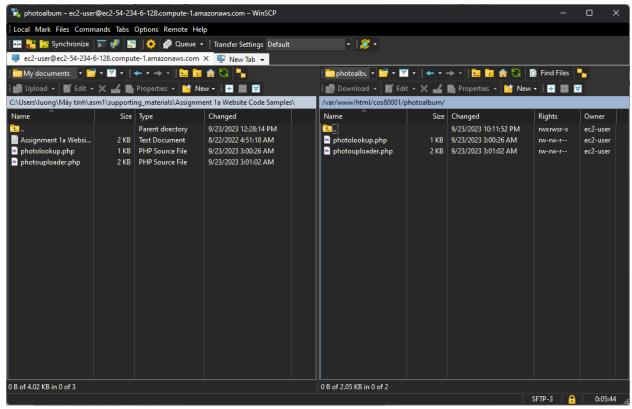


### TASK 2 – Create a PHP website (Photo Album)

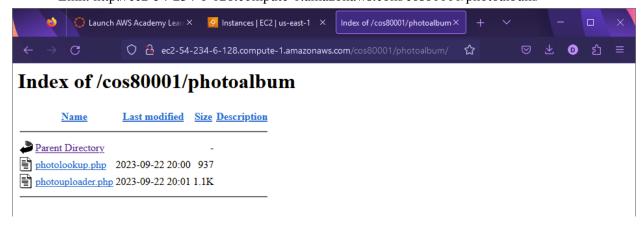
5. Remote access to the EC2 instance with PuTTy



6. Exchange files with EC2 instance using WinSCP

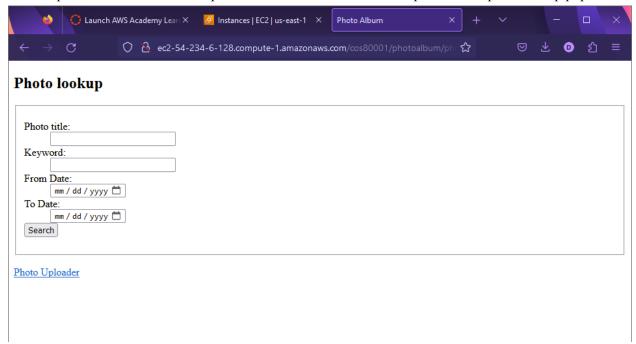


Directory tree in the browser
 Link: http://ec2-54-234-6-128.compute-1.amazonaws.com/cos80001/photoalbum/



8. Photo lookup page

Link: http://ec2-54-234-6-128.compute-1.amazonaws.com/cos80001/photoalbum/photolookup.php



9. Photo uploader page

Link: http://ec2-54-234-6-128.compute-1.amazonaws.com/cos80001/photoalbum/photouploader.php

