

IS597MLC: AWSALL: User Guide and Service Access

1. Log in to AWS Academy Learner Lab with the following steps:

A. Go to https://www.awsacademy.com/vforcesite/LMS_Login

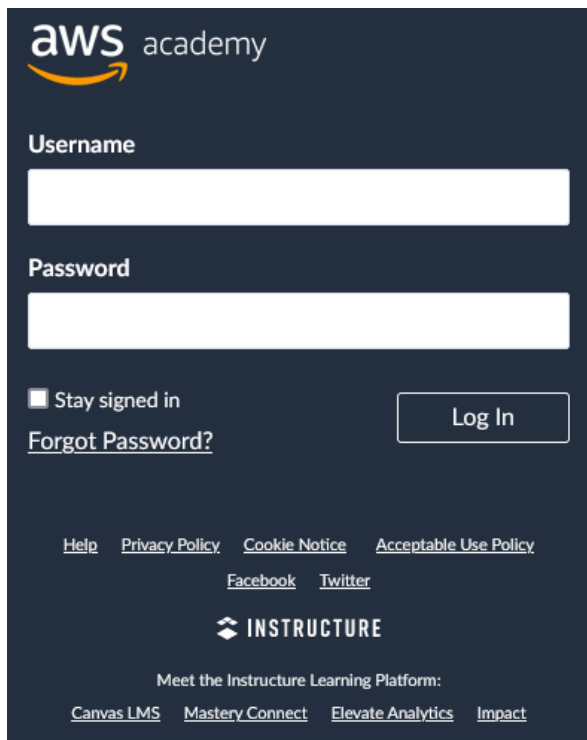
Choose “Student Login” and log in with your email address and password.



The screenshot shows the AWS Academy login page. At the top left is the AWS Academy logo. Below it are two login options: "Student Login" and "Educator Login".

Student Login
(For students enrolled in a class)
学生の方はこちらからログインしてください。
已注册课程的学生请在这里登录

Educator Login
(For educators who have access to the AWS Academy Portal)
講師の方 (AWS Academyメンバーポータルアカウントをお持ちの方) はこちらからログインしてください。
教师请在这里登录 (您需使用AWS Academy Portal账户登录)



The screenshot shows the AWS Academy login page with the login form. At the top left is the AWS Academy logo. Below it are the login fields and a Log In button.

Username
[Input field]

Password
[Input field]

Stay signed in

[Forgot Password?](#)

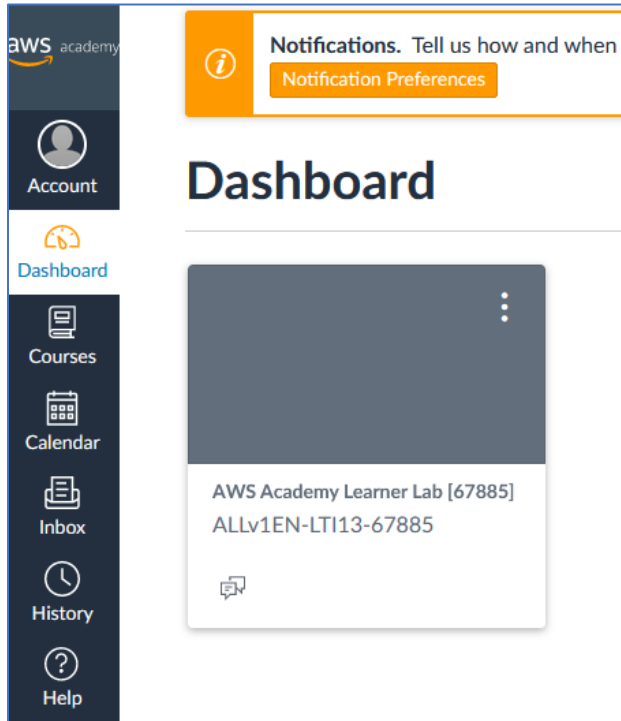
[Help](#) [Privacy Policy](#) [Cookie Notice](#) [Acceptable Use Policy](#)

[Facebook](#) [Twitter](#)

INSTRUCTURE

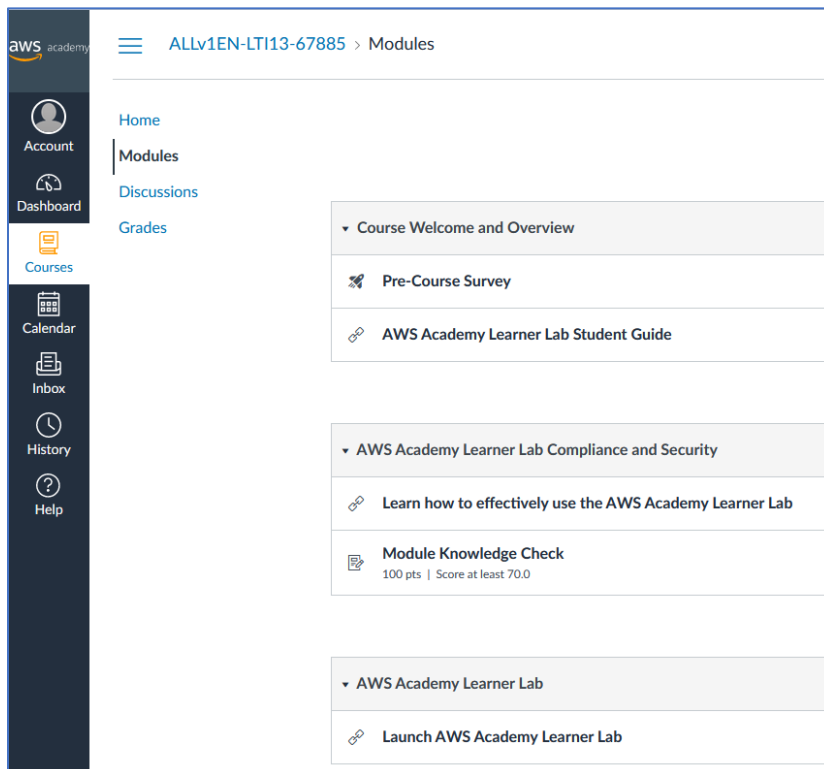
Meet the Instructure Learning Platform:
[Canvas LMS](#) [Mastery Connect](#) [Elevate Analytics](#) [Impact](#)

B. From the Dashboard, choose “AWS Academy Learner Lab [67885]”.



C. You should be able to access the following sections:

- **Course Welcome and Overview**
- **AWS Academy Learner Lab Compliance and Security**
- **AWS Academy Learner Lab**



Exercise 1 (Regular)

Complete 2 items in the first section “Course Welcome and Overview”:


- A. Pre-Course Survey
- B. AWS Academy Learner Lab Student Guide

A-1) Take Pre-Course Survey that includes 7 simple questions. It may take a few minutes to complete.

Pre-Course Survey

Due No due date Questions 7 Time Limit None

Instructions



Thank you for participating in this AWS Academy course. Please answer the questions below. Your responses will help us improve our program.

This survey is hosted by Canvas. Please note that your responses are subject to the [AWS Privacy Notice](#).


[Take the Survey](#)

A-2) Provide a screenshot of the result page as an evidence of your completion.

Pre-Course Survey

Due No due date Questions 7 Time Limit None

Instructions



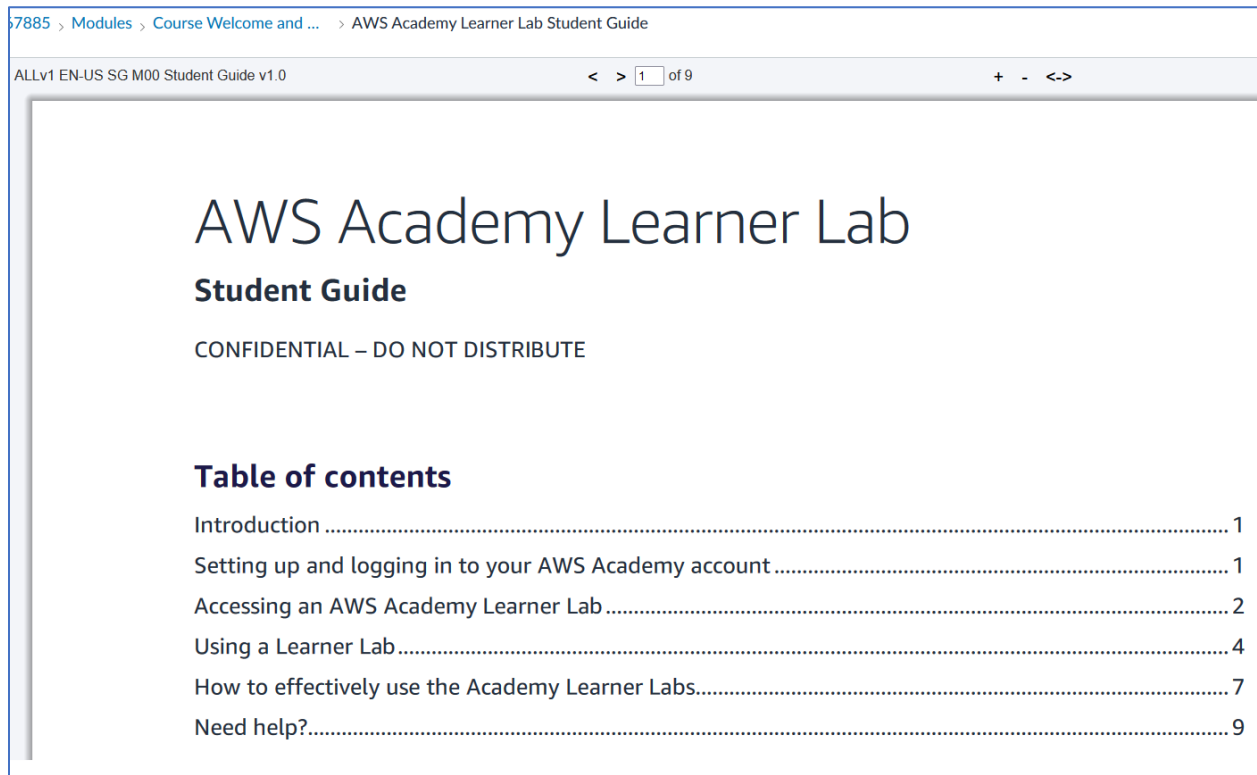
Thank you for participating in this AWS Academy course. Please answer the questions below. Your responses will help us improve our program.

This survey is hosted by Canvas. Please note that your responses are subject to the [AWS Privacy Notice](#).

Quiz results are protected for this quiz and are not visible to students.

① Correct answers are hidden.

B-1) Read AWS Academy Learner Lab Student Guide that consists of 9 slides. It will provide you with information on how to effectively use your Academy Learner Lab as well as Compliance & Security responsibilities that will be your next task.



The screenshot shows a presentation slide titled "AWS Academy Learner Lab Student Guide". The slide includes a breadcrumb trail at the top: "7885 > Modules > Course Welcome and ... > AWS Academy Learner Lab Student Guide". Below the breadcrumb, it says "ALLv1 EN-US SG M00 Student Guide v1.0" and "1 of 9". The main content of the slide is:

AWS Academy Learner Lab

Student Guide

CONFIDENTIAL – DO NOT DISTRIBUTE

Table of contents

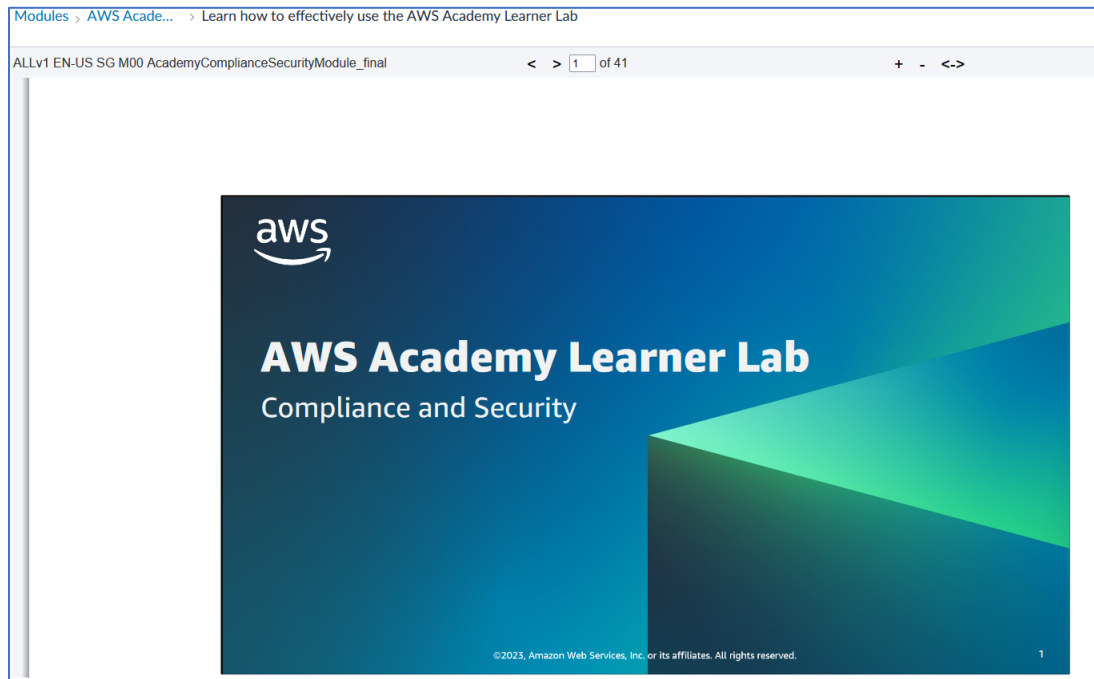
Introduction	1
Setting up and logging in to your AWS Academy account	1
Accessing an AWS Academy Learner Lab	2
Using a Learner Lab	4
How to effectively use the Academy Learner Labs.....	7
Need help?.....	9

Exercise 2 (Regular)

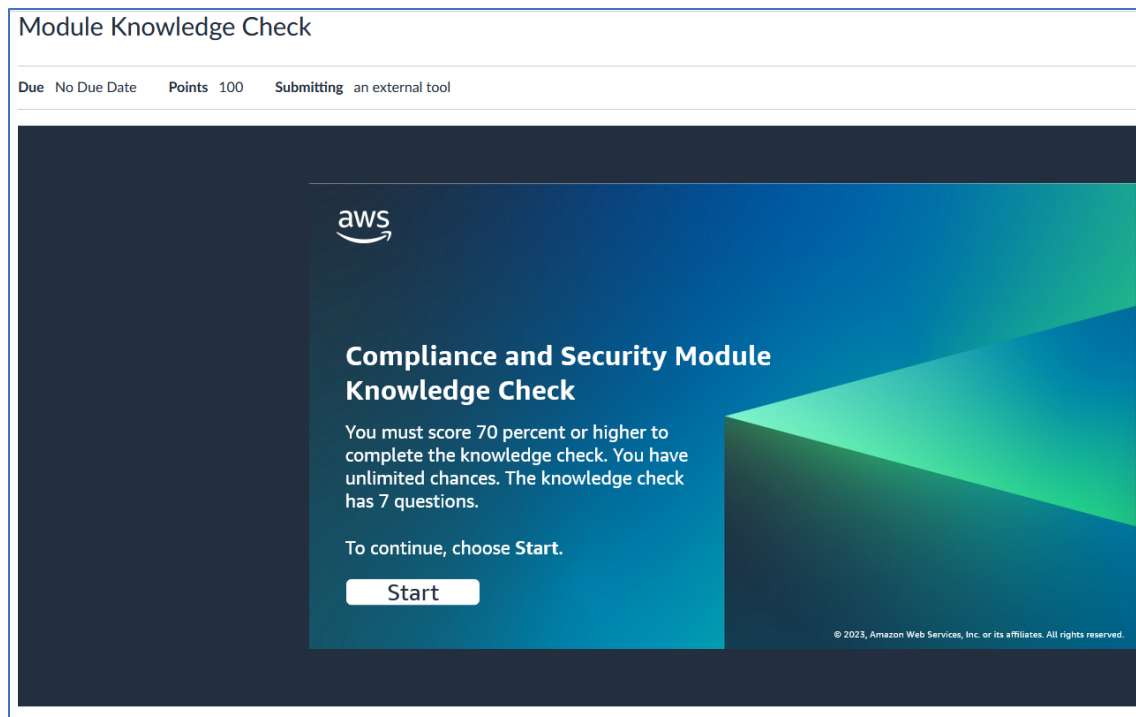
Complete 2 items in the second section “AWS Academy Learner Lab Compliance and Security”:

- A. Learn how to effectively use the AWS Academy Learner Lab**
- B. Module Knowledge Check**

A) Review the content in “Learn how to effectively use the AWS Academy Learner Lab” that contains 41 slides. It provides information to help you understand the compliance and security responsibilities you must follow while using AWS services through AWS Academy Learner Lab for your assignments and projects in this course.



B) Then, take the “Module Knowledge Check” to assess your understanding of all the contents you previously reviewed. The Knowledge Check has 7 questions and takes approximately 20 minutes to complete it. You should score 70 points or higher to move forward to access Academy Learner Lab in the next section. Note that multiple attempts are allowed to pass this module.



Provide a screenshot that includes your score which you can find at the end of the test or in Grades at the navigation menu.

Knowledge check results

Your score: 90% (9 points)
Required score: 70% (7 points)

Result: Congratulations! You have completed this knowledge check.

To continue, choose **Next** in the lower-right corner.

aws

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Or

Home
Modules
Discussions
Grades 1

Grades for

Print Grades

Arrange By
Due Date

Name	Due	Submitted	Status	Score	
Module Knowledge Check Assignments		Jan 21 at 8:28pm		90%	
Assignments				90%	90.00 / 100.00
Total				90%	90.00 / 100.00

Exercise 3 (Regular)

Complete 1 item in the third section “AWS Academy Learner Lab”:

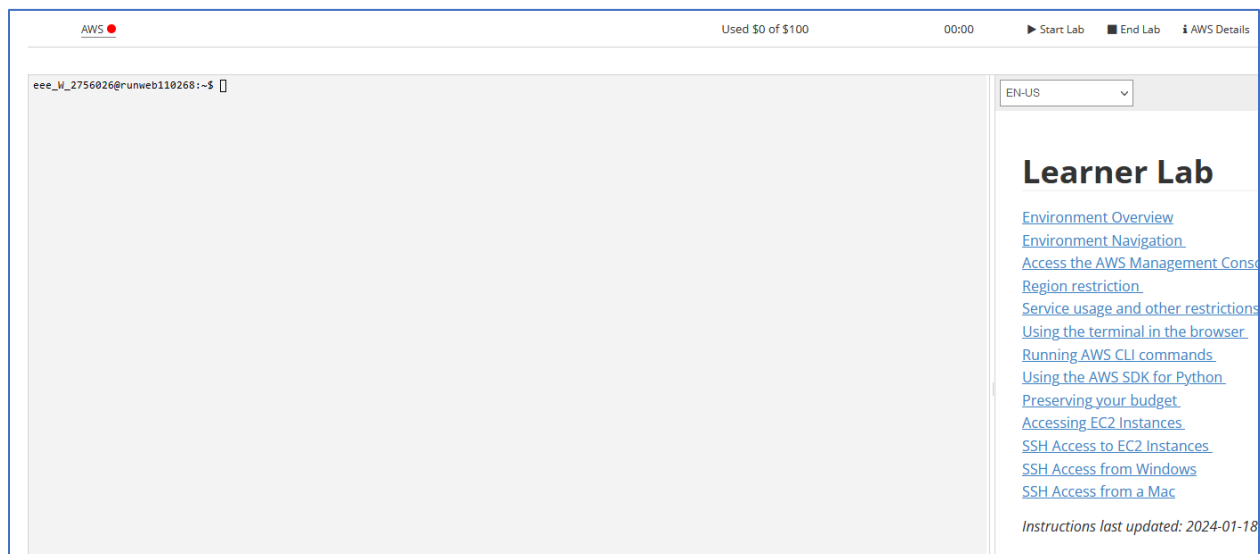
A. Launch AWS Academy Learner Lab

A-1) Choose the Learner Lab link.

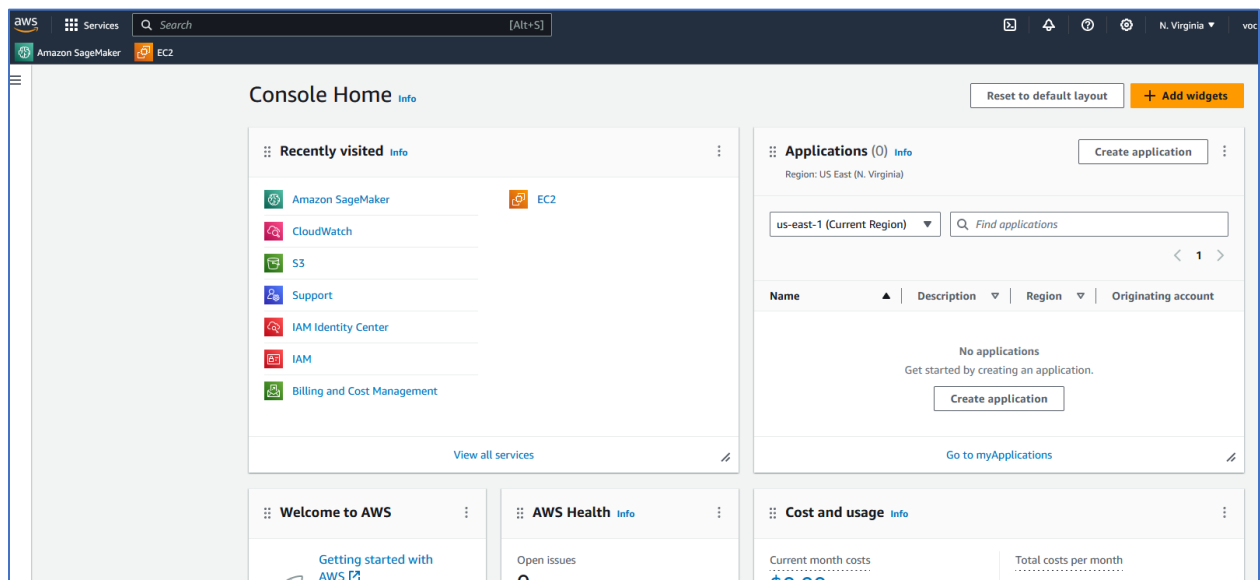
▼ AWS Academy Learner Lab

[Launch AWS Academy Learner Lab](#)

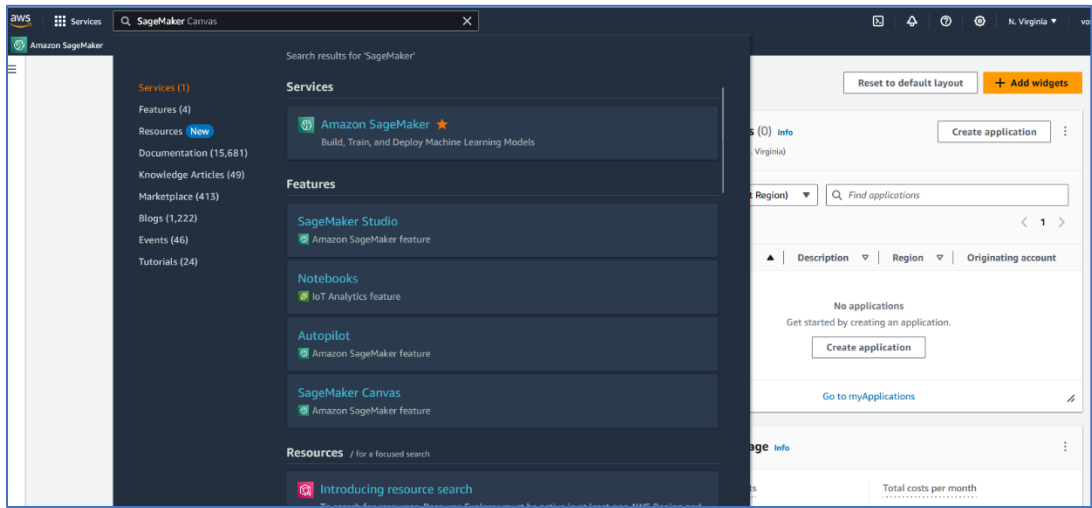
A-2) You will see the page that should look like the following screenshot.



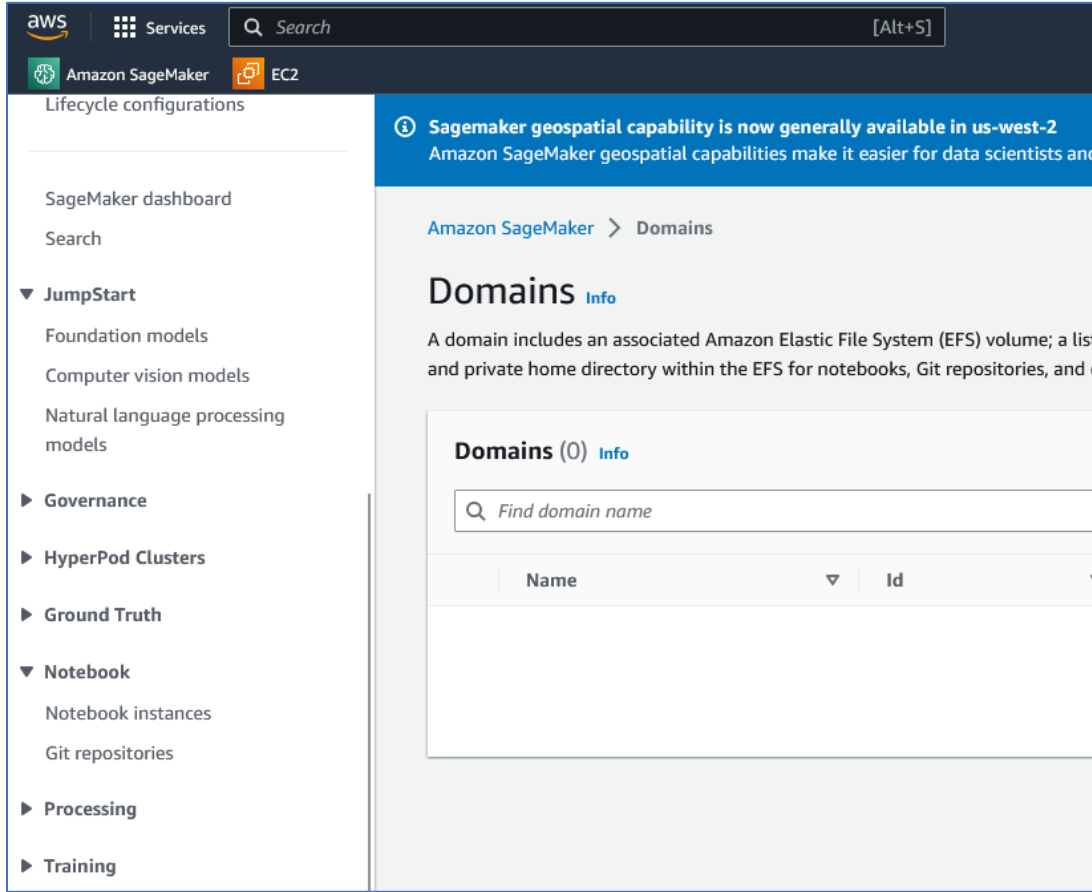
A-3) Review the information on how to start the Lab that are described in the p.3-7 of the “AWS Academy Learner Lab Student Guide”. Make sure that you are in the AWS Management Console Home.



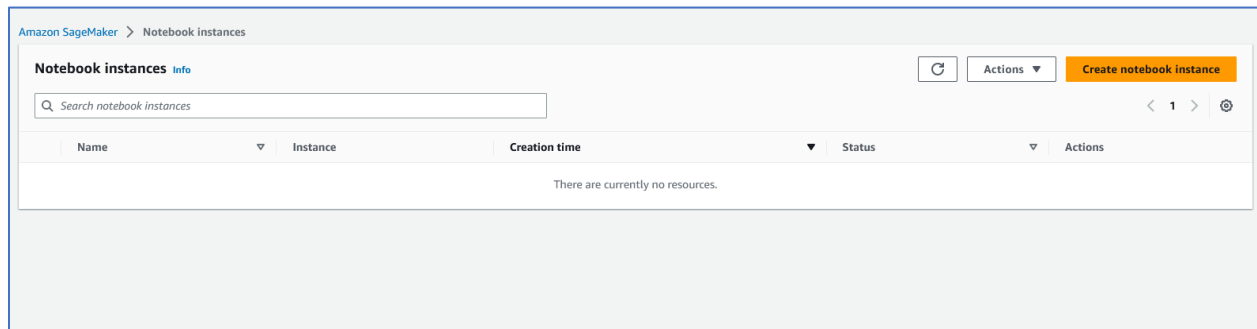
A-4) Go to Amazon SageMaker by finding the name displayed in “Recently visited” section or just typing “SageMaker” in the search bar at the top left.



A-5) Once you are in Amazon SageMaker page, scroll down the navigation menu on the left until you find “Notebook” section. Choose “Notebook instances”.



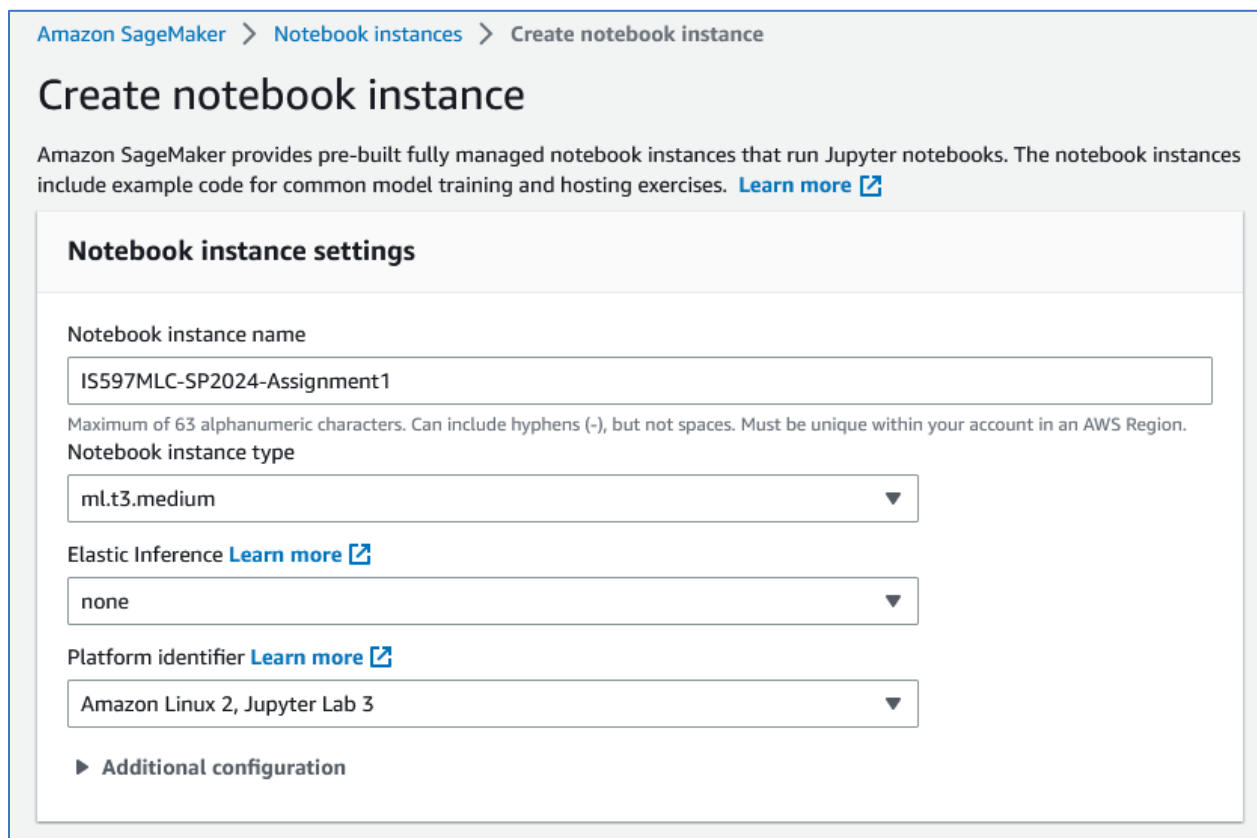
A-6) Let's create a new notebook instance. Click on "Create notebook instance" button at the top right corner of the page.



A-7) Fill out the following sections and click on "Create notebook instance" button at the end of the page.

Notebook instance settings:

- **Notebook instance name: "IS597MLC-SP2024-Assignment1"**
- **Notebook instance type: ml.t3.medium**
- **Elastic Inference: none**
- **Platform identifier: Amazon Linux 2, Jupyter Lab 3**



Permissions and encryption

- **IAM role: LabRole**
- **Root access: enable**
- **Encryption key: No Custom Encryption**

Permissions and encryption

IAM role
Notebook instances require permissions to call other services including SageMaker and S3. Choose a role or let us create a role with the [AmazonSageMakerFullAccess](#) IAM policy attached.

LabRole ▼

Create role using the role creation wizard ↗

Root access - optional

Enable - Give users root access to the notebook

Disable - Don't give users root access to the notebook
Lifecycle configurations always have root access

Encryption key - optional
Encrypt your notebook data. Choose an existing KMS key or enter a key's ARN.

No Custom Encryption ▼

Network

- **VPC: Do Not Select (you will see “Please select VPC”)**

▼ Network - optional

VPC - optional
Your notebook instance will be provided with SageMaker provided internet access because a VPC setting is not specified.

Please select VPC ▼

Git repositories

- **Repository: Using the dropdown menu, choose “Clone a public Git repository to this notebook instance only”**
- **Git repository URL: Copy and paste the following URL:**
https://github.com/uiuc-ischool-trainor1/is597_mlc_spring_2024_demo.git

▼ **Git repositories - optional**

▼ **Default repository**

Repository
 Jupyter will start in this repository. Repositories are added to your home directory.

Clone a public Git repository to this notebook instance only

Git repository URL
 Clone a repository to use for this notebook instance only.

Add additional repository

Tags

- Leave it blank for this section.

▼ **Tags - optional**

Key	Value	
<input type="text"/>	<input type="text"/>	<input type="button" value="Remove"/>

Add tag

A-8) Now you will see that a new notebook instance named “IS597MLC-SP2024-Assignment1” has been created.

Success! Your notebook instance is being created.
 Open the notebook instance when status is InService and open a template notebook to get started.

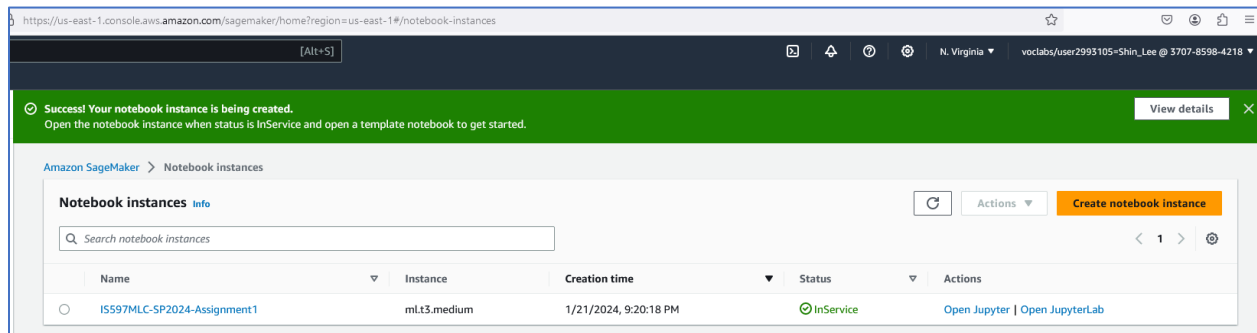
Amazon SageMaker > Notebook instances

Notebook instances [Info](#)

Name	Instance	Creation time	Status
IS597MLC-SP2024-Assignment1	ml.t3.medium	1/21/2024, 9:20:18 PM	Pending

When the Status turns from “Pending” to “InService”, take a screenshot of this page and include it in your submission document. Make sure that your image include the AWS url

shown at the top and your user name at the top right corner, as shown in the screenshot below.



Exercise 4 (Challenge)

A) Run a Jupyter notebook in the AWS Notebook instance

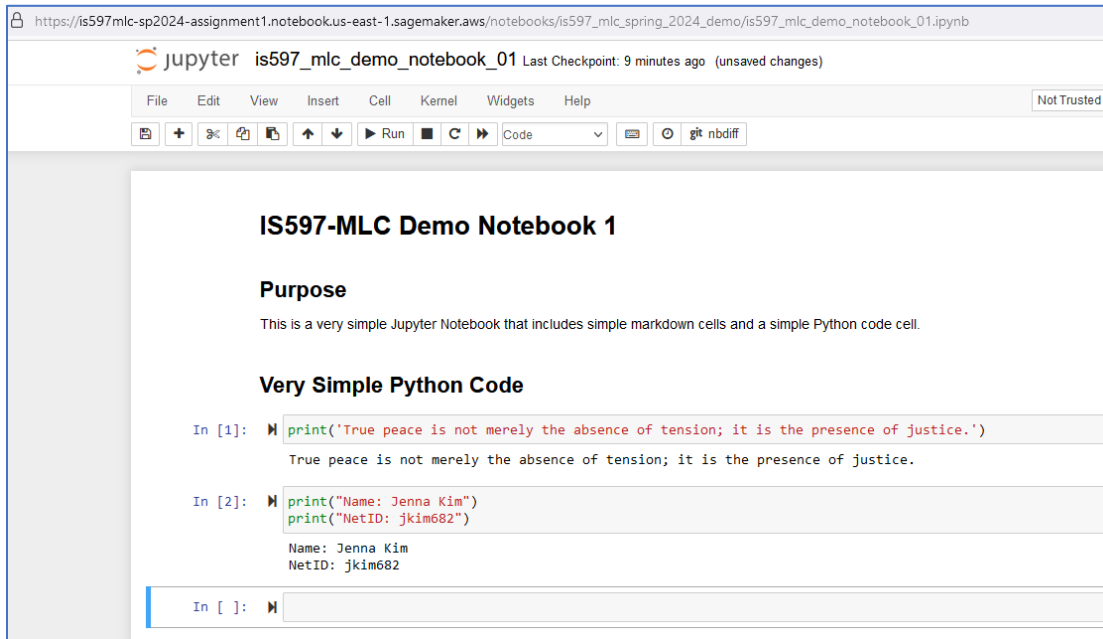
A-1) Open the Notebook instance by selecting “Open Jupyter” under Actions column. Do not click on the “Open JupyterLab”.

Make sure that you have one folder (“is597_mlc_spring_2024_demo”) and two files in the folder: “is597_mlc_demo_notebook_01.ipynb” and “README.md”.

Open the Jupyter notebook. If you see a popup window titled “Kernel not found”, select a kernel “conda_python3” and click on “set Kernel” button.

Run the first cell provided by clicking an arrow next to the cell or “Run” button at the top.

In the next cell, print out your name and NetID using a print function.



Submit a screenshot of this Jupyter notebook with your name and NetID included. Make sure that your image also includes the AWS url starting with <https://~> as shown in the above screenshot.

A-2) Stop the Notebook instance you created by checking the instance name and choosing “Stop” under the Actions dropdown menu. Make sure that the Status turns “Stopped” before you sign out of your account. Use the dropdown menu at the top right corner under your username and click on “Sign out” button. Close the window and go back to the AWS Academy Learner Lab page. End your session by clicking on “End lab” at the top.

How to submit your assignment

What to Submit

You are required to submit 4 screenshots that show the results of the following tasks. Every time you have completed each task, take an image of your computer monitor using one of image capturing tools built in your laptop (e.g., a snipping tool if you use Windows 11).

Make sure to include all four images in one document with each task number. Convert it to a pdf file and submit it to UIUC Canvas assignments section named “AWSALL: User Guide and Service Access”.

- Exercise 1: A-2
- Exercise 2: B
- Exercise 3: A-8
- Exercise 4: A-1

File Naming

Please name your Word file using the following naming scheme. Make sure that all the letters in the name are lowercase. Convert your document in pdf format for submission.

surname_givenname_user_guide_and_service_access.pdf

e.g.) kim_jenna_user_guide_and_service_access.pdf

Due By

Please submit this assignment by the date and time shown in the Weekly Schedule.