Purpose
This document provides educators with instructions for using AWS Academy Learner Labs. AWS Academy Learner Lab offers a long-running lab environment suitable for student projects over a period designated by the educator. AWS Academy educators can create AWS Academy Learner Lab classes and add students. Each student in an AWS Academy Learner Lab class will have a $100 AWS Platform Credit to use for the duration of the class. Within this class, students will have access to a restricted set of AWS services (see the resources area of the AWS Academy Portal for the lists) for project work, educator-designed lab exercises, or practice. Services deployed by students are available until the end date designated by the educator. Educators can report on student AWS Platform spend and time spent in the lab environment. AWS Academy Learner Labs are independent from other AWS Academy courses, and educators can utilize this environment with their students at any time.

Educators nominated for AWS Academy Foundation Courses can create AWS Learner Lab – Foundation Services. Educators accredited to teach an AWS Academy Associate Level course, can create AWS Academy Learner Lab – Associate Services.

Creating a Learner Lab
1. Log into the AWS Academy Portal and navigate to the LMS.
2. From the Account menu on the left, select “Create a class”

3. Select the appropriate Learner Lab from the Course pull down. Fill in the start/end dates for your class. Fill in the modality and then press submit. NOTE: Only educators accredited for at least one associate level course will be able to select AWS Academy Learner Lab – Associate Services.

4. You are notified when the course is available to teach via the Canvas inbox and via email.
Adding students to a Learner Lab

1. From your Dashboard, click through the Learner Lab course

2. Select the People tab from the navigation menu on the left.
3. Press the +People button

4. Provide a comma separated list of student email address and press the Next button.
5. Fill in the names of the students as needed and then press the Next button.

6. Confirm the information and then press the Add Users button.
Using Learner Lab Reports to Track Spending/Activity

1. **Select Modules from the Course Menu**

2. **Click through the Learner Lab link**
3. Select Analytics/Accounts for an overview of spending by student, by month

4. Click Analytics/Lab Cost for a by student spending report
5. Click Analytics/Lab Time for a report that shows amount of time spent using the lab environment by student (note: if students leave the lab running without explicitly “ending” the lab it will appear that they are spending more time than they may have been actively using the environment).

Using/Reviewing a Students Account

1. Select the People tab from the course menu
2. Find the student you wish to review and select “user details” from the three dots menu at the right-most end of the student row.

3. Select the “Act as user” link
4. Press the Proceed button

5. You are now acting as the user (a purple border surround the window). Select Modules from the course menu.
6. Click through the Learner Lab link

7. You are now in the lab environment as the student (see below for student-facing instructions). You can start the lab, then view the AWS console, etc..
8. When you are finished acting as the student, press the “Stop acting as user” button in the bottom right.

Using Learner Labs as a Student

1. Follow the steps above to act as one of your students. Alternatively, you can switch into “Student View” from the course home page to navigate the course as a “Test Student”.

© 2021, Amazon Web Services, Inc., or its affiliates. All rights reserved.
2. You are now acting as a user (a purple border surround the window). Select Modules from the course menu.

3. Click through the Learner Lab link
4. You are now in the lab environment as the student (see below for student-facing instructions). Note: If this is your first time using the “Test Student” you may have to refresh the web page to see and accept the terms and conditions. Start the lab by pressing the “Start Lab” button.

5. Once the lab is started, press the AWS button to view the AWS Management Console.
6. You will be transparently logged into a temporary AWS Account that you can use as long as the lab session timer is active (4 hours).

7. You can return to the LMS to see the lab instructions by using the Readme button.

8. You can monitor your spending using the information at the top of the lab. Note: This information is provided by AWS Budgets and may be delayed by up to 8 hours. This is an approximate view of your spending.
9. You can monitor your remaining session time at the top of the lab. Note: If you are actively working and you need more time, you can reset your session timer by pressing “Start Lab” again.

10. If you need to wipe out all of the resources that you have configured and start with a fresh AWS Account, press the Reset Button. **NOTE: ALL WORK WILL BE LOST AND CANNOT BE RECOVERED.**

11. When you are finished with this session, press the “End Lab” button. This will stop any running EC2 instances. When you return to your lab and restart it – the EC2 instance will restart and any other resources you’ve configured will still be available.