

# AWS Academy Learner Lab – Educator Guide

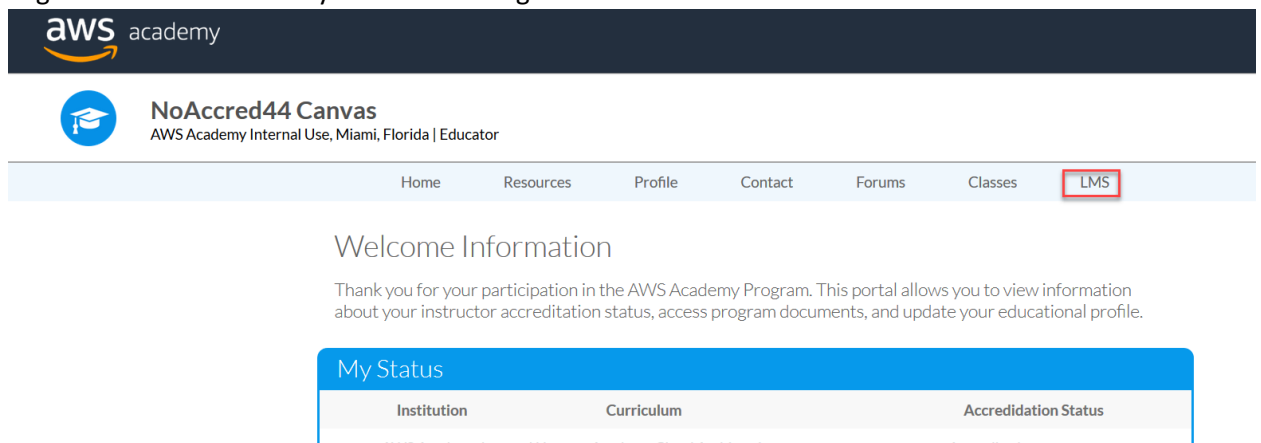
## Purpose

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

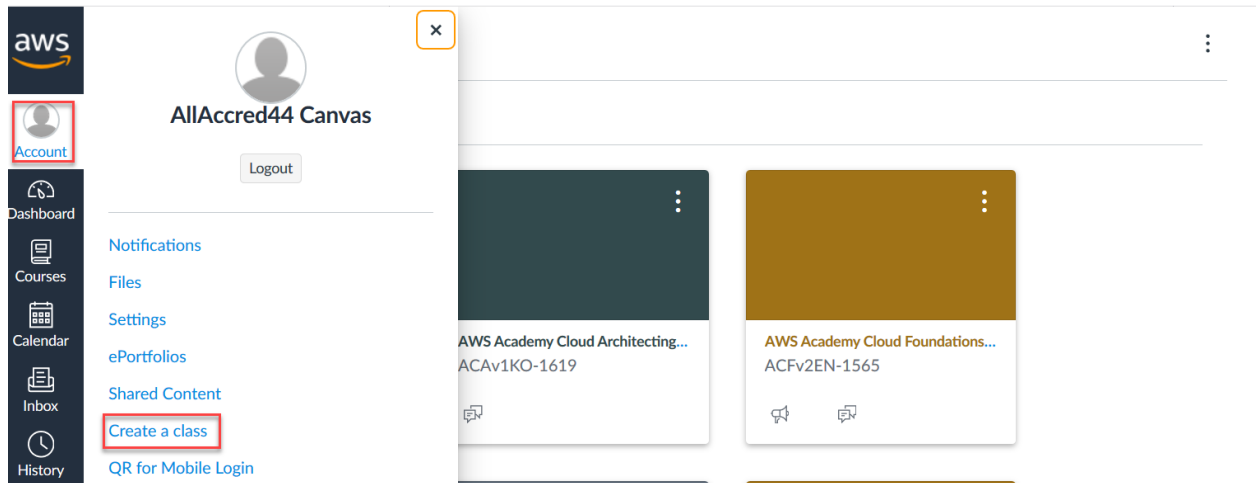
1. Log into the AWS Academy Portal and navigate to the LMS



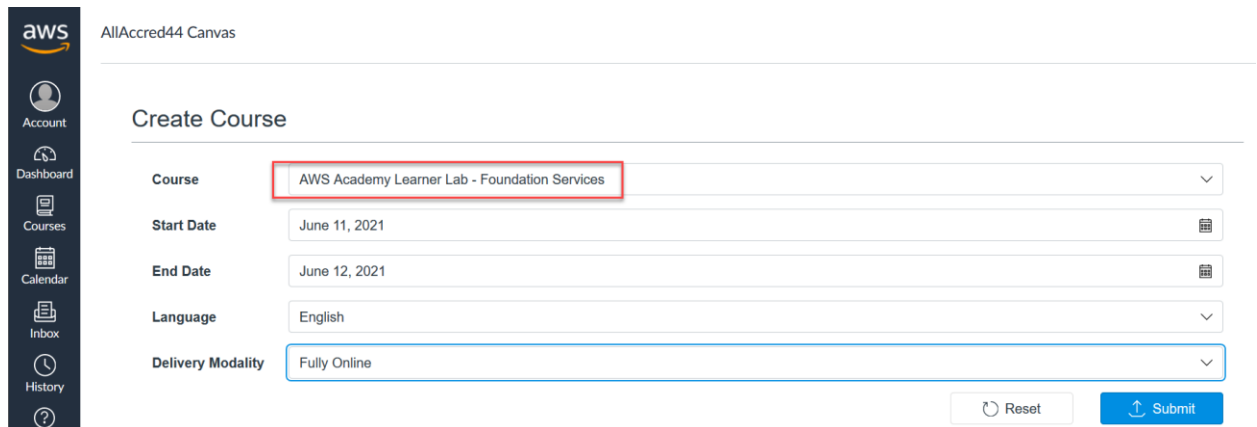
The screenshot shows the AWS Academy Portal interface. At the top, there is a dark blue header with the 'aws academy' logo. Below this is a white navigation bar with a blue graduation cap icon and the text 'NoAccred44 Canvas' and 'AWS Academy Internal Use, Miami, Florida | Educator'. A horizontal menu bar contains links: Home, Resources, Profile, Contact, Forums, Classes, and LMS (which is highlighted with a red box). Below the menu bar, the page title is 'Welcome Information'. The main content area contains a paragraph: 'Thank you for your participation in the AWS Academy Program. This portal allows you to view information about your instructor accreditation status, access program documents, and update your educational profile.' Below this is a blue header for 'My Status'. Underneath is a table with three columns: Institution, Curriculum, and Accreditation Status. The table is partially visible, showing the first row with the text 'AWS Academy Internal Use, Miami, Florida' under the Institution column.

Institution	Curriculum	Accreditation Status
AWS Academy Internal Use, Miami, Florida		

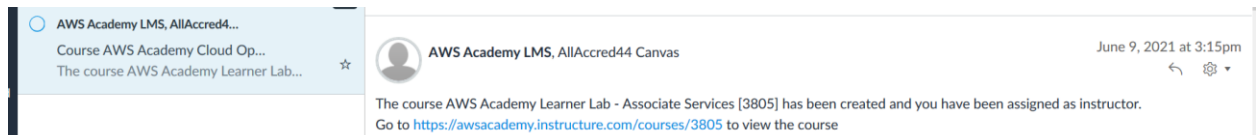
- From the Account menu on the left, select "Create a class"



- 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.

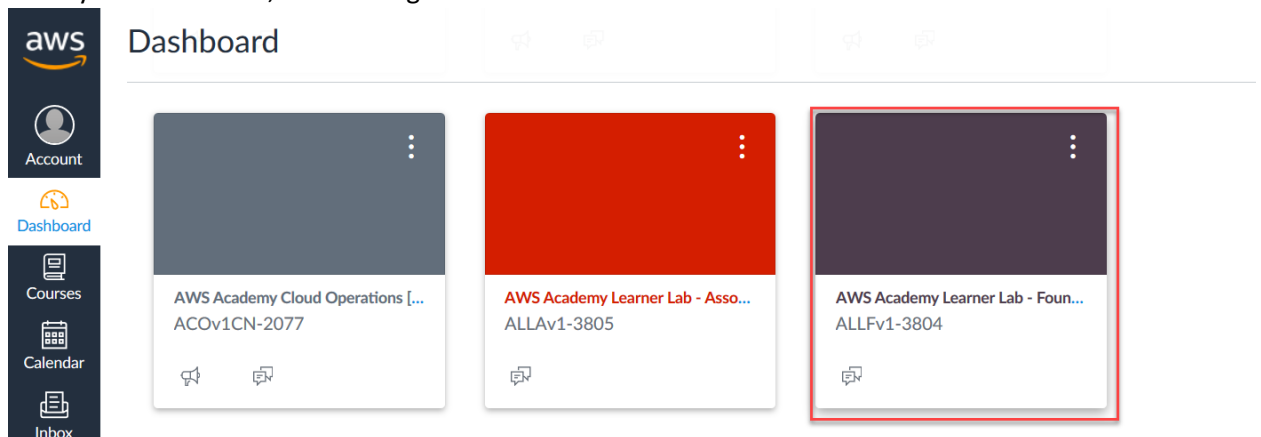


- You are notified when the course is available to teach via the Canvas inbox and via email.

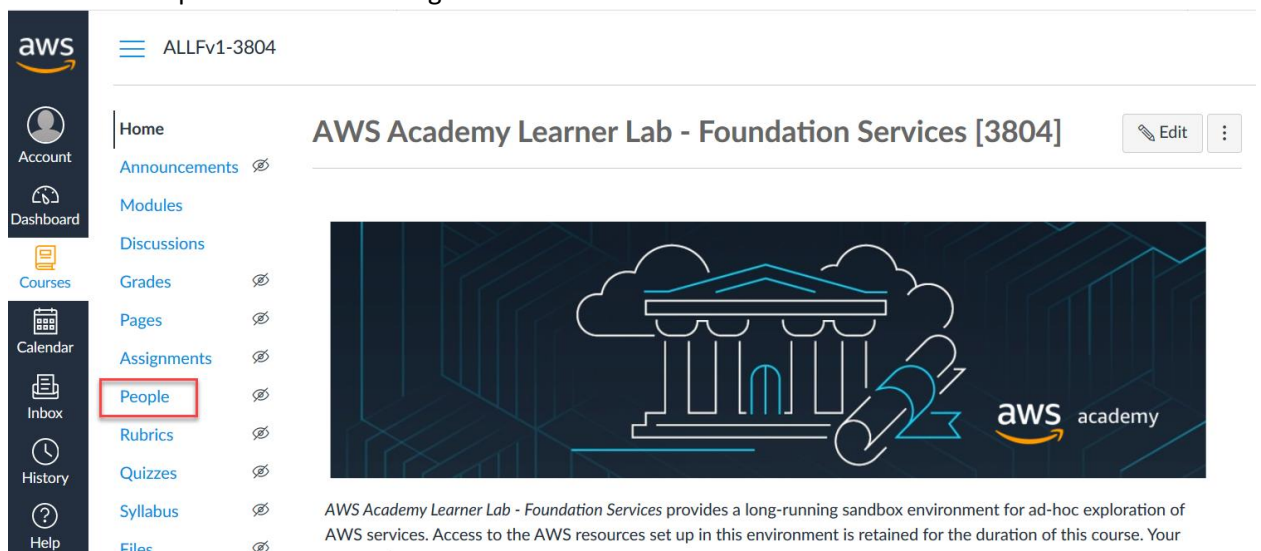


## Adding students to a Learner Lab

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

aws ALLFv1-3804 > People

Home  
Announcements  
Modules  
Discussions  
Grades  
Pages  
Assignments  
People  
Rubrics  
Quizzes

Everyone Groups  
Search people All Roles

+ Group Set  
**+ People**

Name	Login ID	SIS ID	Section	Role	Last Activity	Total Activity
NoAccred44 Canvas	academylearningplatforms+user44@gmail.com.awsacademy	0034N00002rvTYm	AWS Academy Learner Lab - Foundation Services [3804]	Teacher	Jun 11 at 4:29pm	09:52

4. Provide a comma separated list of student email address and press the Next button.

## Add People

Add user(s) by

☒ Email Address ☐ Login ID ☐ SIS ID

Email Addresses (required)

lsmith@myschool.edu, mfooster@myschool.edu

Role: Student

Section: AWS Academy Learner

☐ Can interact with users in their section only

When adding multiple users, use a comma or line break to separate users.

Cancel Next

5. Fill in the names of the students as needed and then press the Next button.

## Add People

×

!

We were unable to find matches below. Select any you would like to create as new users. Unselected will be skipped at this time.

<input checked="" type="checkbox"/>	Name	Email Address
<input checked="" type="checkbox"/>	<input type="text" value="Joe Smith"/>	jsmith@

CancelBackNext

6. Confirm the information and then press the Add Users button.

## Add People

×

✓

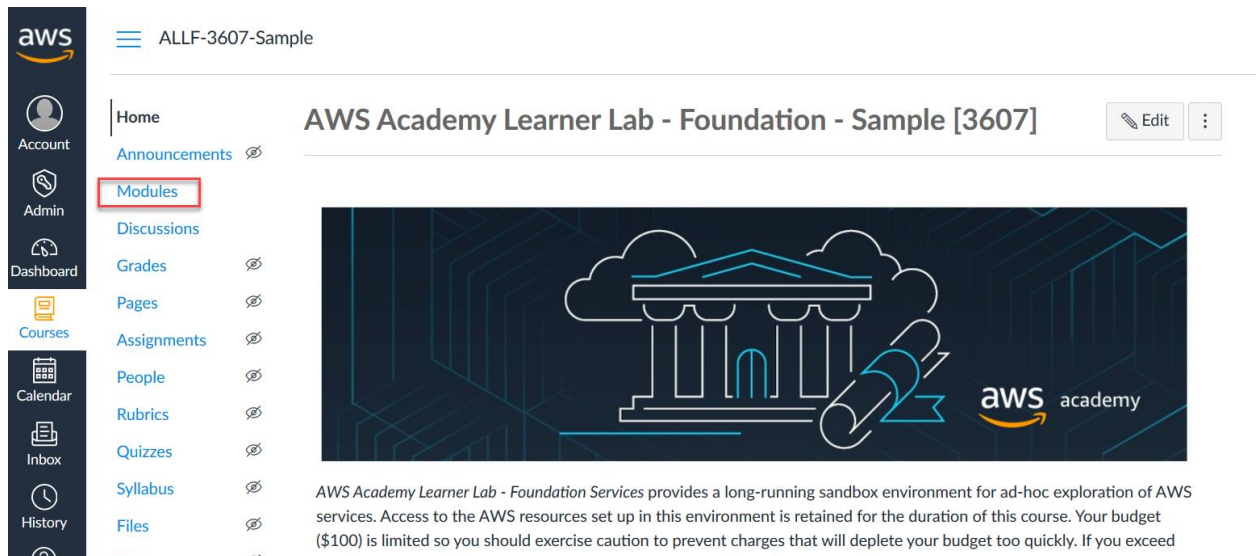
The following users are ready to be added to the course.

Name	Email Address	Login ID	SIS ID	Institution
Joe Smith	jsmith@			AWS Academy

CancelStart OverAdd Users

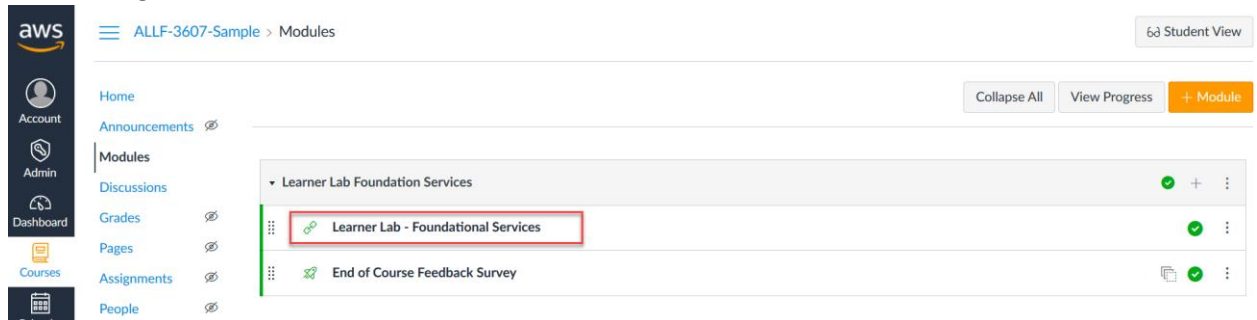
## Using Learner Lab Reports to Track Spending/Activity

### 1. Select Modules from the Course Menu



The screenshot shows the AWS Academy Learner Lab interface for the course "ALLF-3607-Sample". The left sidebar contains a navigation menu with options: Account, Admin, Dashboard, Courses, Calendar, Inbox, and History. The "Courses" section is expanded, showing a list of modules: Home, Announcements, Modules (highlighted with a red box), Discussions, Grades, Pages, Assignments, People, Rubrics, Quizzes, Syllabus, and Files. The main content area displays the course title "AWS Academy Learner Lab - Foundation - Sample [3607]" and a description: "AWS Academy Learner Lab - Foundation Services provides a long-running sandbox environment for ad-hoc exploration of AWS services. Access to the AWS resources set up in this environment is retained for the duration of this course. Your budget (\$100) is limited so you should exercise caution to prevent charges that will deplete your budget too quickly. If you exceed

### 2. Click through the Learner Lab link



The screenshot shows the AWS Academy Learner Lab interface for the course "ALLF-3607-Sample" with the "Modules" section selected. The main content area displays a list of modules under the heading "Learner Lab Foundation Services". The "Learner Lab - Foundational Services" module is highlighted with a red box. The "End of Course Feedback Survey" module is also visible. The interface includes a "6d Student View" button and a "Collapse All" button.

### 3. Select Analytics/Accounts for an overview of spending by student, by month

ALLF-3607-Sample > Modules > Learner Lab Foundation Services > Learner Lab - Foundational Services

Home | Announcements | Modules | Discussions | Grades | Pages | Assignments | People | Rubrics | Quizzes | Syllabus | Files | Outcomes | Conferences | Collaborations | Settings

ALLF-3607-Pre-Release-Sample (Ends - Jul 31 2021)

Edit Assignments | Enrollment | Dashboard | Lab Status | **Analytics** | Settings | Configure Containers

Accounts | Lab Cost | Lab Time | Learners | Assignments

name	status	part	group	account	budget	expense	Jun 21	May 21	Apr 21	Mar 21	Feb 21	Jan 21	Dec 20	Nov 20	Oct 20	Sep 20	Aug 20
[reserved-org-account]	activated	-	-	719194445037	0	0.14	0.01	0.04	0.03	0.03	0.01	0.01	0	0	0.01	0	0
[reserved-part-account]	-	424938	-	969432959807	100	0	0	0	0	0	0	0	0	0	0	0	0
[reserved-part-account]	-	424938	-	414738568561	100	0	0	0	0	0	0	0	0	0	0	0	0
[reserved-part-account]	-	424938	-	784382082375	100	0	0	0	0	0	0	0	0	0	0	0	0
ctell	activated	424938	-	728301243943	100	0.12	0.12	0	0	0	0	0	0	0	0	0	0
Vishr	activated	424938	-	964815442761	100	21.24	14.8	6.44	0	0	0	0	0	0	0	0	0

### 4. Click Analytics/Lab Cost for a by student spending report

aws

Account | Admin | Dashboard | Courses | Calendar | Inbox | History | Help

ALLF-3607-Sample > Modules > Learner Lab Foundation Services > Learner Lab - Foundational Services

Home | Announcements | Modules | Discussions | Grades | Pages | Assignments | People | Rubrics | Quizzes | Syllabus | Files | Outcomes | Conferences | Settings

ALLF-3607-Pre-Release-Sample (Ends - Jul 31 2021)

Edit Assignments | Enrollment | Dashboard | Lab Status | **Analytics** | Settings

Accounts | **Lab Cost** | Lab Time | Learners | Assignments

Name	Total	LabLearner - Foundational
cte	0.12	0.12
Ch	5.35	5.35
Test Student	0.08	0.08
Rus T	0.09	0.09
Vishr	21.24	21.24
anluc	0	0
emid	0.9	0.9

Showing 1 to 7 of 7 entries

- 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).

The screenshot shows the Vocareum interface for the course 'ALLF-3607-Sample'. The left sidebar contains navigation links: Home, Announcements, Modules, Discussions, Grades, Pages, Assignments, People, Rubrics, Quizzes, Syllabus, Files, Outcomes, and Conferences. The main content area shows a table of student data. The 'Analytics' dropdown menu is open, and 'Lab Time' is selected. The table displays the following data:

Name	Total	LabLearner - Foundation Services
ctel	08:00:10	08:00:10
Cha	02:18:49	02:18:49
Test	00:39:36	00:39:36
Rus	02:47:35	02:47:35
Visi	08:07:41	08:07:41
anlt	08:00:06	08:00:06
emi	16:04:29	16:04:29

Showing 1 to 7 of 7 entries

## Using/Reviewing a Students Account

- Select the People tab from the course menu

The screenshot shows the AWS Academy Learner Lab - Foundation Services [3804] interface. The left sidebar contains navigation links: Home, Announcements, Modules, Discussions, Grades, Pages, Assignments, People, Rubrics, Quizzes, Syllabus, and Files. The 'People' tab is selected. The main content area displays a banner for the AWS Academy Learner Lab - Foundation Services, which provides a long-running sandbox environment for ad-hoc exploration of AWS services. Access to the AWS resources set up in this environment is retained for the duration of this course. Your



- 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.


The screenshot shows the AWS IAM console interface. On the left is a navigation sidebar with icons for Account, Admin, Dashboard, Courses, Calendar, Inbox, History, and Help. The main content area is titled 'Groups' and includes a search bar and a 'Search people' dropdown. Below this, there's a 'Getting your awesome report ..' section with a 'Completion Grade' of 80 and a 'generate' button. A table lists users with columns: Name, Login ID, SIS ID, Section, Role, Last Activity, and Total Activity. The first user, 'Charles Telles', is highlighted. A dropdown menu is open for this user, showing options: 'Partner Admin', 'Completion Check: One email per line', and 'Allocate Section: One email per line'. The 'User Details' option is highlighted in the dropdown menu.

- Select the “Act as user” link

The screenshot shows the AWS IAM console interface for the 'User Details' page of 'Charles Telles'. The breadcrumb navigation shows 'ALLF-3607-Sample > People > Charleston Telles (AWS)'. The main content area is titled 'Name and Email' and includes a form with the following fields: Full Name, Display Name, Sortable Name, Default Email, and Time Zone. The 'Act as User' link is highlighted in the 'Name and Email' section. Below this, there's a 'Recent Messages' section with the text 'No Messages'.


4. Press the Proceed button

Act as User



Act as C

"Act as" is essentially logging in as this user without a password. You will be able to take any action as if you were this user, and from other users' points of views, it will be as if this user performed them. However, audit logs record that you were the one who performed the actions on behalf of this user.





Full Name:	C
Display Name:	C
Sortable Name:	(A
Default Email:	charle
<hr/>	
Login ID:	charle
SIS ID:	
Integration ID:	


Proceed


5. You are now acting as the user (a purple border surround the window). Select Modules from the course menu.


aws


  
Account


  
Dashboard

  
Courses

  
Calendar

  
Inbox

  
History

  
Help


ALLF-3607-Sample

Home

Modules

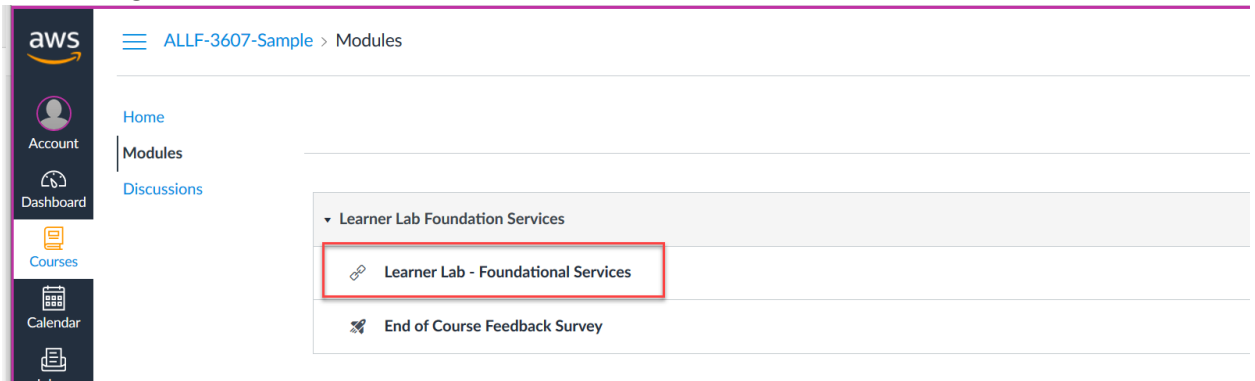
Discussions

## AWS Academy Learner Lab - Foundation - Sample [3607]

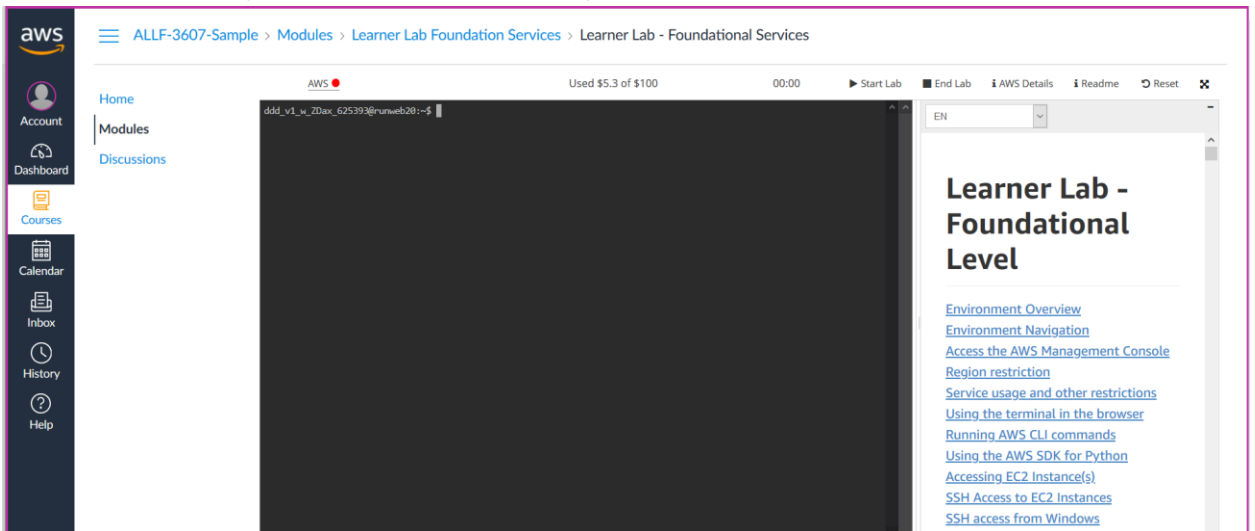


AWS Academy Learner Lab - Foundation Services provides a long-running sandbox environment for ad-hoc exploration of AWS services. Access to the AWS resources set up in this environment is retained for the duration of this course. Your budget (\$100) is limited so you should exercise caution to prevent charges that will deplete your budget too quickly. If you exceed your budget, you will lose access to your environment and lose all of your work.

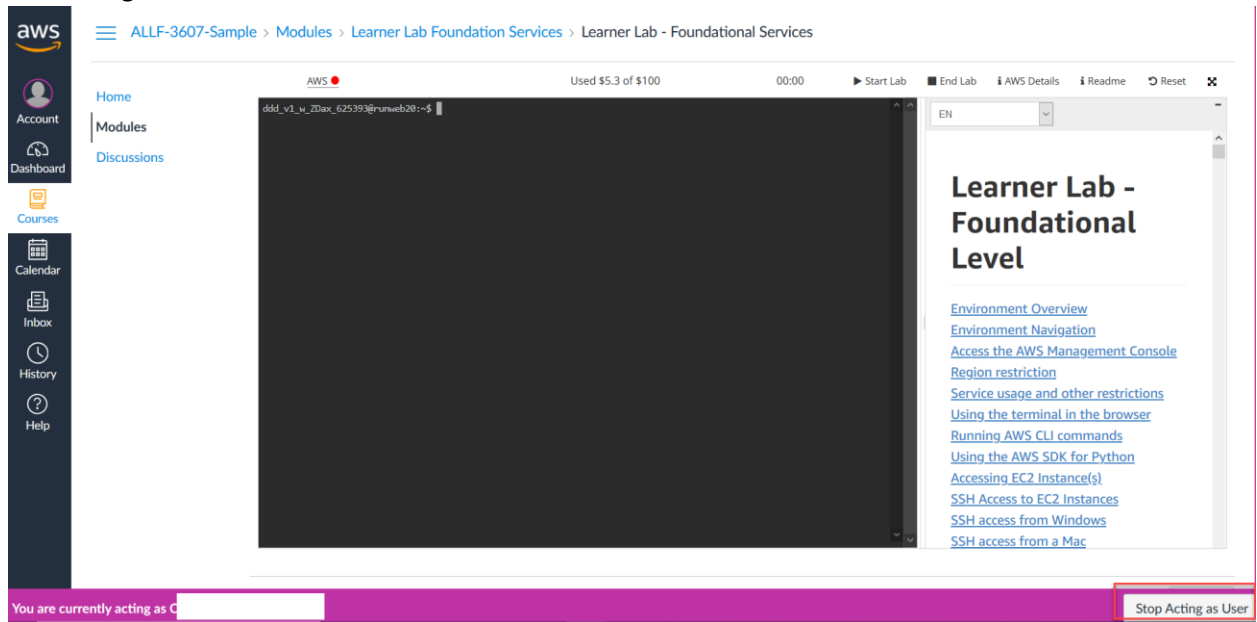
6. Click through the Learner Lab link



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..

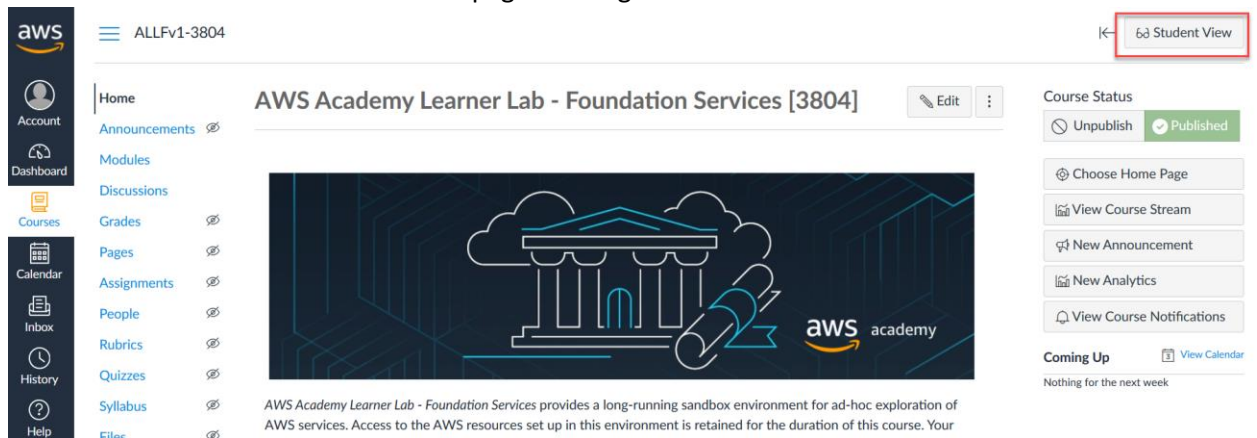


- When you are finished acting as the student, press the “Stop acting as user” button in the bottom right.

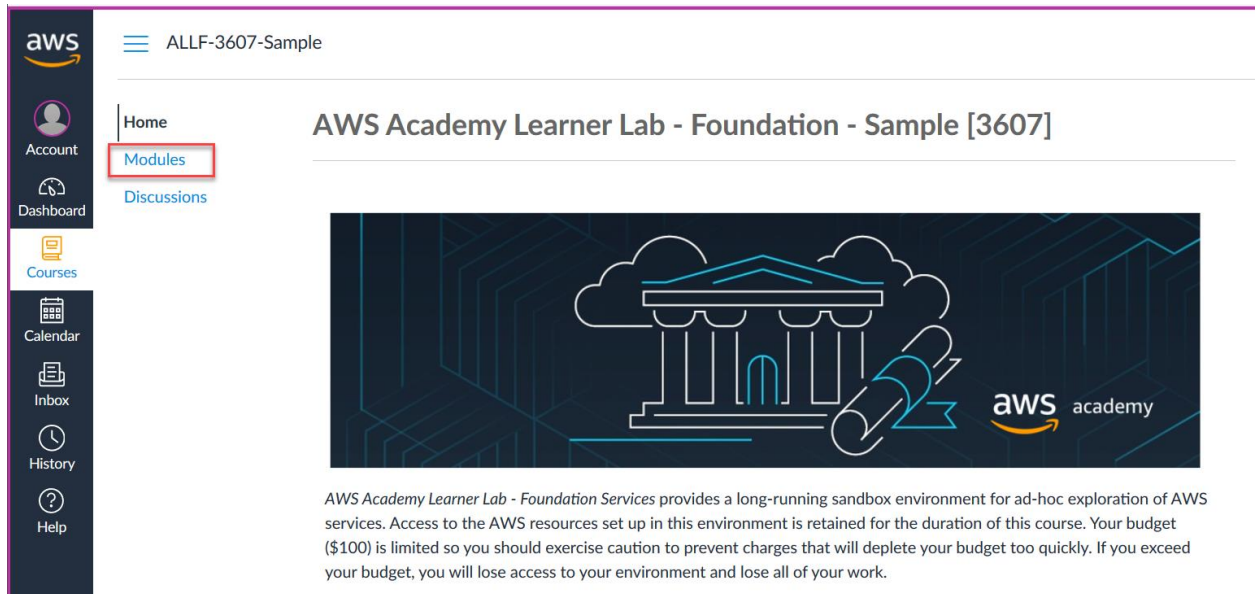


## Using Learner Labs as a Student

- 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”.

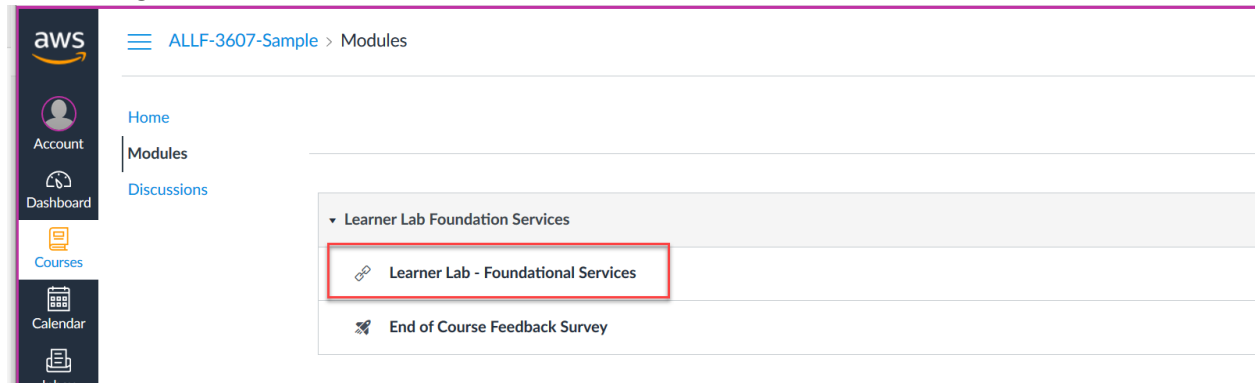


2. You are now acting as a user (a purple border surround the window). Select Modules from the course menu.



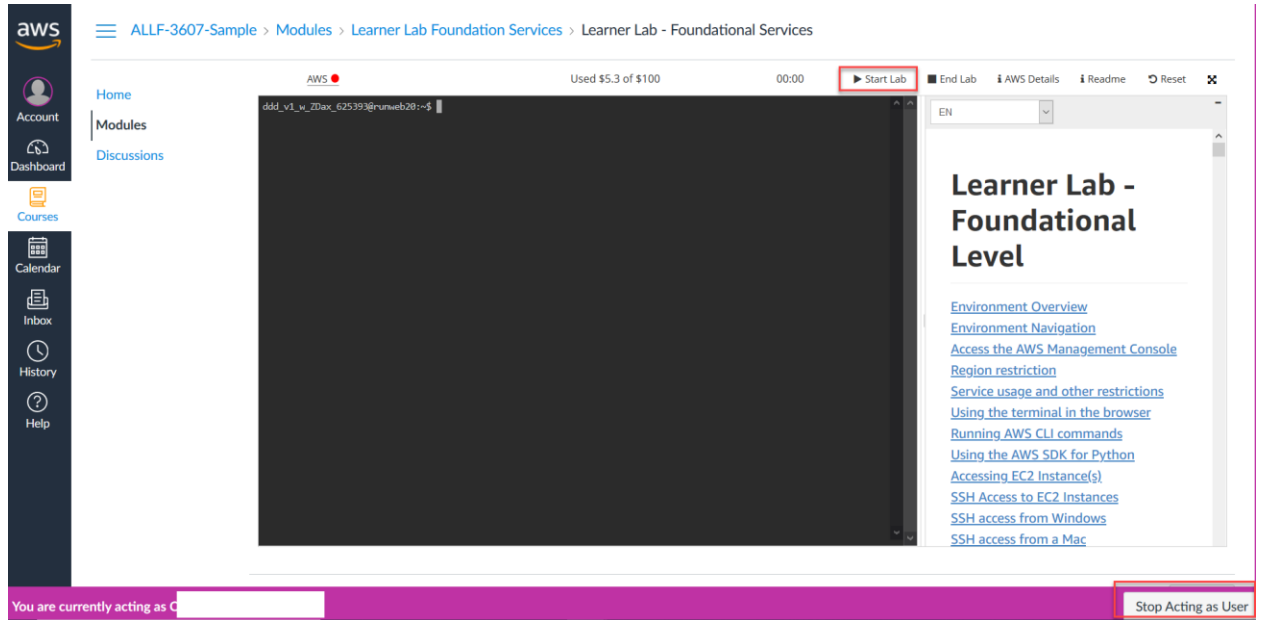
The screenshot shows the AWS Academy Learner Lab - Foundation - Sample [3607] page. The left sidebar contains the navigation menu with the following items: Account, Dashboard, Courses, Calendar, Inbox, History, and Help. The 'Modules' link is highlighted with a red box. The main content area displays the course title 'AWS Academy Learner Lab - Foundation - Sample [3607]' and a description: 'AWS Academy Learner Lab - Foundation Services provides a long-running sandbox environment for ad-hoc exploration of AWS services. Access to the AWS resources set up in this environment is retained for the duration of this course. Your budget (\$100) is limited so you should exercise caution to prevent charges that will deplete your budget too quickly. If you exceed your budget, you will lose access to your environment and lose all of your work.'

3. Click through the Learner Lab link

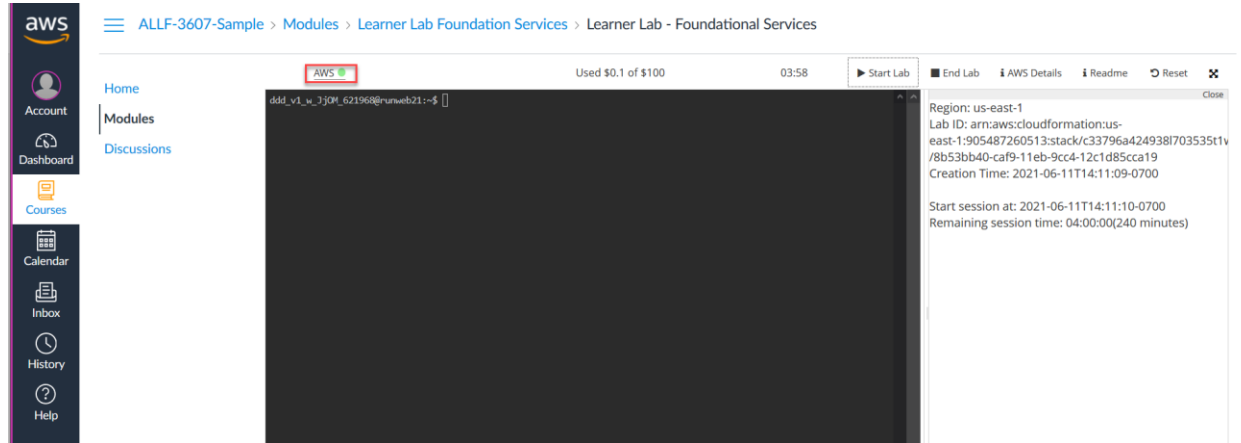


The screenshot shows the 'Modules' section of the AWS Academy Learner Lab - Foundation - Sample [3607] page. The left sidebar shows the navigation menu with 'Modules' highlighted. The main content area displays a list of modules under the heading 'Learner Lab Foundation Services'. The 'Learner Lab - Foundational Services' link is highlighted with a red box. Below it is the 'End of Course Feedback Survey' link.

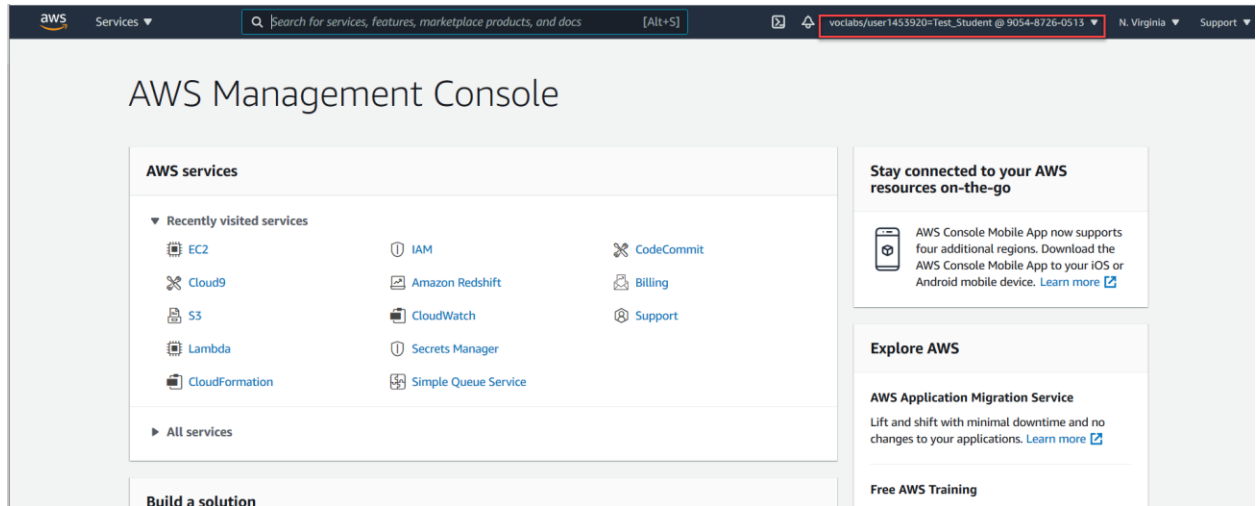
4. You are now in the lab environment as the student (see below for student-facing instructions).  
Note: If this is your first time using the “Test Student” you may have to refresh the web page to see and accept the terms and conditions. Start the lab by pressing the “Start Lab” button.



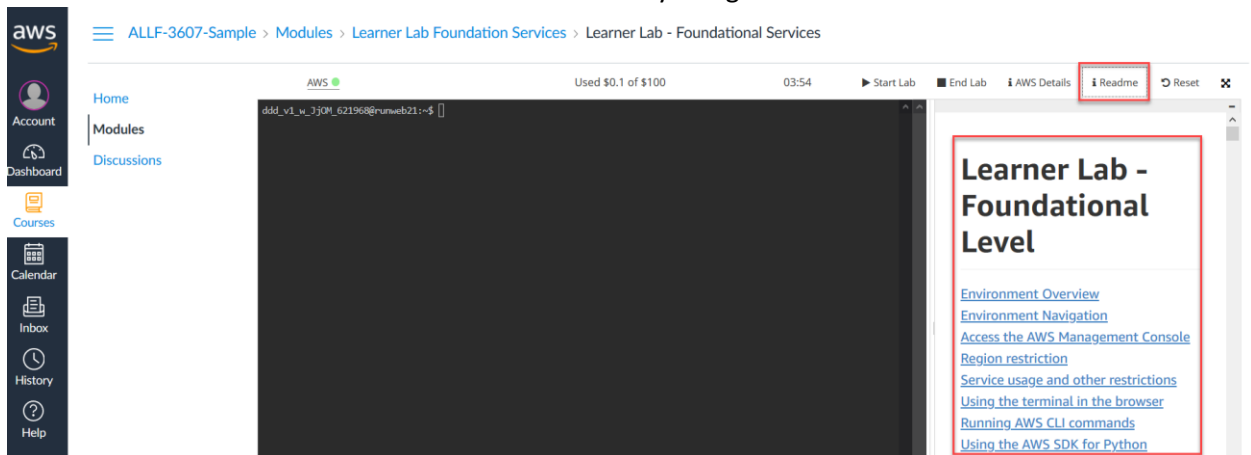
5. Once the lab is started, press the AWS button to view the AWS Management Console.



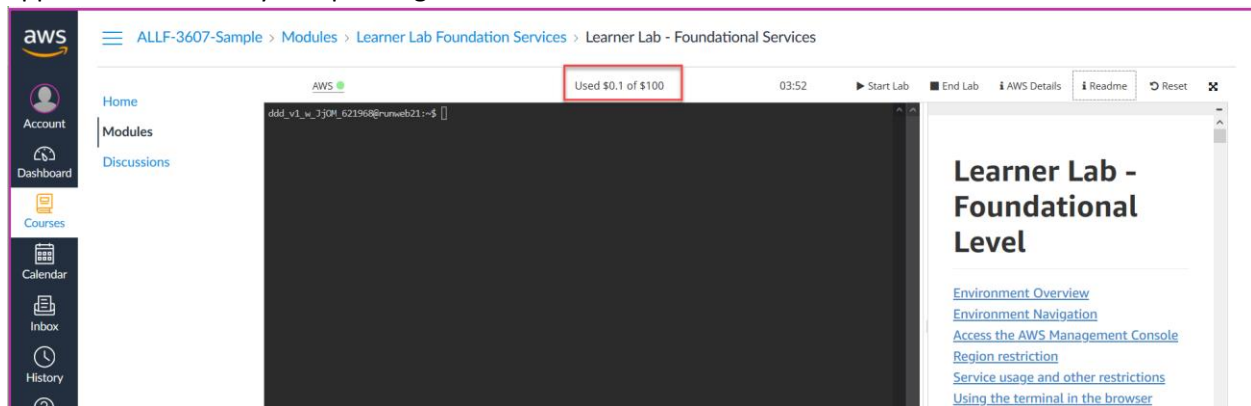
6. You will be transparently logged into a temporary AWS Account that you can use as long as the lab session timer is active (4 hours).



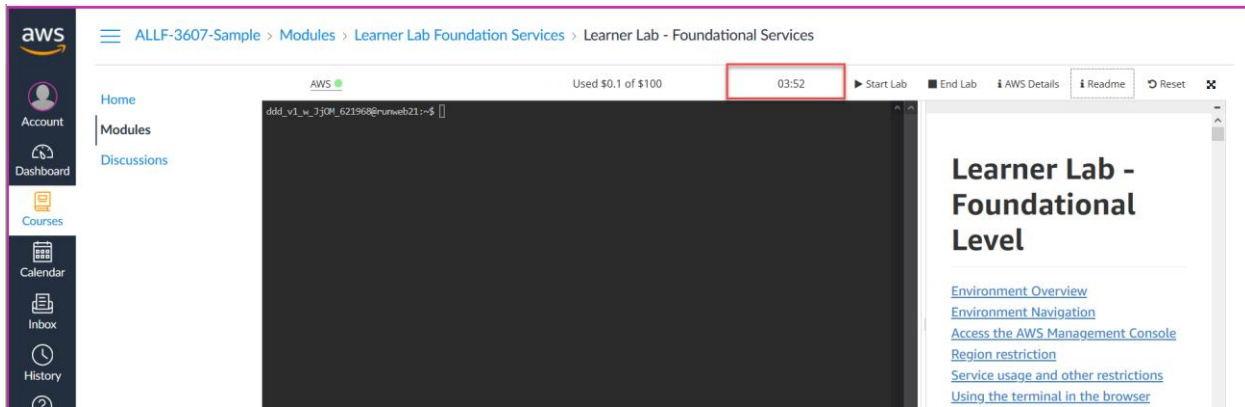
7. You can return to the LMS to see the lab instructions by using the Readme button.



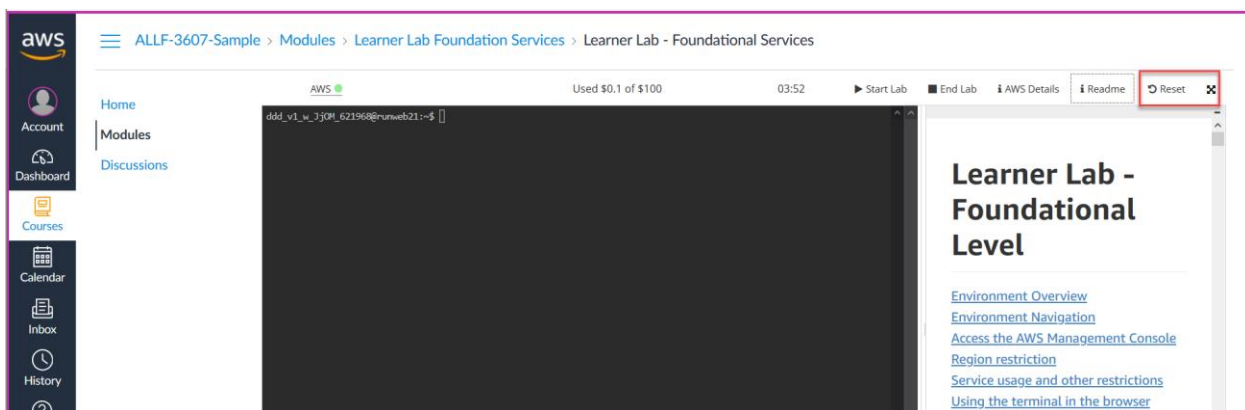
8. You can monitor your spending using the information at the top of the lab. Note: This information is provided by AWS Budgets and may be delayed by up to 8 hours. This is an approximate view of your spending.



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.

